



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

*For information on the following please see our website [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

*INID (Internationally agreed Numbers for the Identification of Data)*

## GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

### **(i) FILING -**

This is the act of making an application. When the application is first filed certain details are published.

### **(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -**

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

### **(iii) ACCEPTANCE –**

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

### **(iv) OPPOSITION –**

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

### **(v) GRANTING –**

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

### **(vi) CERTIFICATION**

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

## How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want ( eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

## How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018** All

patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

**NOTE:** Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

<p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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## Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

## Using the Indices To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete application filed - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The Provisional application <u>number</u>	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>C) Applications open to public inspection Name Index</b>		<b>D) Applications accepted - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>E) Patents Certified – Name Index</b>	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.



### 1. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

### 3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

## 'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

#### (10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

#### (20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

#### (30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

#### (40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.

(43) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.

(44) Date of publication by printing or similar process of a document, on which grant, or certification has taken place on or before the said date.

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

(56) List of prior art documents, if separate from descriptive text

(57) Abstract or claim

**(60) Reference(s) to other legally related domestic document(s)**

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

**(70) Identification of parties concerned with the document**

(71) Name(s) of applicant(s)

(72) Name(s) of inventor(s) if known to be such

(74) Name(s) of attorney(s) or agent(s)

(75) Name(s) of inventor(s) who is (are) also applicant(s)

**(80) Identification of data related to International Conventions other than the Paris Convention**

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

(1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

**AU-A** = Pre-examination

**AU-B** = Post-examination

(2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.

(3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

(4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:

- 1987-2022      Volume 1 - 36
- 2023 -            Volume 57 -

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 2 May 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***R F Industries Pty Ltd v Mine Site Technologies Pty Ltd [2024] APO 16***

Patent Application: 2018101203

Title: Telecommunication system and method, and components therefor

Patent Applicant: Mine Site Technologies Pty Ltd

Opponent: R F Industries Pty Ltd

Delegate: Debasish Dasgupta

Decision Date: 15 April 2024

Hearing Date: Written submissions completed on 1 November 2023

Catchwords: **PATENTS** - opposition under section 104 – allowability under subsections 102(1) and 102(2) considered – whether the amendments extend beyond the disclosure as filed – whether as a result of the amendments, the specification complies with subsections 40(2) and 40(3) – amendments are allowable – s40 issues existed at the time of certification – no award of costs – re-examination to continue

Representation: Patent attorney for the applicant: Allens Patent & Trade Mark Attorneys  
Patent attorney for the opponent: Davies Collison Cave Law Pty Ltd

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Apr 2024 .

(71) ABADOG PTY LTD (21) 2024901148 (22) 23.04.2024 (54) AN EMOTION-REGULATING SYSTEM AND METHOD OF USE OF SAME	(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2024901136 (22) 22.04.2024 (54) Apparatus for Producing Soil Degradable Mineral-Based Planting Containers	(21) 2024901042
(71) Acrow Formwork & Scaffolding Pty Ltd (21) 2024901086 (22) 17.04.2024 (54) Bracket and Screen Assembly	(71) AtomIQ Technologies PTY LTD (21) 2024901099 (22) 18.04.2024 (54) METHOD AND SYSTEM FOR FACILITATING LABELLING COMPLIANCE	<b>Barbulescu, D. see Barbulescu, D.</b> (21) 2024901042
(71) ADDICTED TO TOOLS PTY LTD (21) 2024901121 (22) 20.04.2024 (54) Communications rack/basket tray mounting clamp	(71) Auric Essentials (21) 2024901070 (22) 16.04.2024 (54) AI-driven personalised Aromatherapy System	(71) Barbulescu, D.; Barbulescu, T.; Energy Storage Rights; Barbulescu, V.; Barbulescu, C.; Barbulescu, D. (21) 2024901042 (22) 14.04.2024 (54) "HaLow Wifi Platform for Enhanced Meter Digitization and Utilities Management with Built-in Cybersecurity, Hazard Alarm, and Prosumer Blockchain Trading"
(71) Advance Change Pty Ltd (21) 2024901142 (22) 23.04.2024 (54) COLLECTIVE LEADERSHIP AND CHANGE ACTIVATION PLATFORM	(71) Australian Ceramics Engineering Pty Ltd (21) 2024901103 (22) 19.04.2024 (54) COMPOSITE WEAR-RESISTANT BILLET AND METHOD OF MANUFACTURING THE SAME	<b>Barringer, A. see Pound, N.</b> (21) 2024901137
(71) AERO CHAMBER PTY LTD (21) 2024901001 (22) 10.04.2024 (54) Aerochamber: Carbon Abatement Composting Technology	(71) Australian Specialised Sourcing in Asia Pty Ltd (21) 2024901100 (22) 18.04.2024 (54) Barrier arrangement	(71) batterham, a. (21) 2024901019 (22) 12.04.2024 (54) New telescope
(71) Alam, M.N. (21) 2024901010 (22) 11.04.2024 (54) SYSTEMS AND METHODS FOR AGENT AUTHENTICATION	(71) BAE Systems Australia Limited (21) 2024901002 (22) 10.04.2024 (54) Munition kit	(71) batterham, a. (21) 2024901023 (22) 12.04.2024 (54) Hence my dual storage battery lithium ion plus tricolor gel light prismatic battery is a game changer to utopian energy ionic energy
(71) AMSL Innovations Pty Ltd (21) 2024901149 (22) 23.04.2024 (54) AIRCRAFT STRUCTURE	<b>Bank, D. see Fox, R.</b> (21) 2024901068	(71) Biocell Innovations Pte Ltd (21) 2024901053 (22) 15.04.2024 (54) Modified CD19-targeted chimeric antigen receptor (CAR)-T cell and uses thereof
(71) Aquila Space Technologies Pty Ltd (21) 2024901138 (22) 23.04.2024 (54) SAFETY SYSTEMS AND METHODS FOR OPTICAL POWER BEAMING	<b>Barbulescu, T. see Barbulescu, D.</b> (21) 2024901042	(71) Bourke, J. (21) 2024901041 (22) 14.04.2024 (54) Kayak Wing
	<b>Barbulescu, V. see Barbulescu, D.</b> (21) 2024901042	(71) Brennan, T. (21) 2024901151 (22) 23.04.2024 (54) PROTECTIVE CLOSURE ASSEMBLY
	<b>Barbulescu, C. see Barbulescu, D.</b>	

Provisional Applications Filed - Name Index cont'd

<p>(71) Breville Pty Limited (21) 2024901016 (22) 11.04.2024 (54) Espresso machine with cold brew mode</p>	<p>(71) Cuschieri, C. (21) 2024901094 (22) 18.04.2024 (54) Vacuum dent pulling tower</p>	<p>(71) ESM Technology Group Limited (21) 2024901157 (22) 24.04.2024 (54) Fire Performance Composition</p>
<p>(71) Breville Pty Limited (21) 2024901017 (22) 11.04.2024 (54) A lift mechanism</p>	<p>(71) Dahini, C. (21) 2024901049 (22) 15.04.2024 (54) Holistic Trauma Release Therapy</p>	<p>(71) fitzgibbons, S. (21) 2024901120 (22) 20.04.2024 (54) Portable Handheld UV Detector with Integrated 7-Segment Display and sensor for UV Ray Detection.</p>
<p>(71) Carbelec Pty Ltd (21) 2024901141 (22) 23.04.2024 (54) HIGH TEMPERATURE METAL PRODUCTION IN CONJUNCTION WITH CARBON RECOVERY VIA CARBON DIOXIDE ELECTROLYSIS TO SOLID CARBON</p>	<p>(71) Davidson, F. (21) 2024901125 (22) 22.04.2024 (54) METHOD AND APPARATUS FOR PRIMING DIESEL ENGINES</p>	<p>(71) FLIKIT (21) 2024901085 (22) 17.04.2024 (54) On demand retail delivery network app</p>
<p>(71) Caton, A. (21) 2024901009 (22) 11.04.2024 (54) Tyreshield, the reuse of rubber products for shielding purposes.</p>	<p>(71) Davies Collison Cave Pty Ltd; Polymeron Pty Ltd (21) 2024901064 (22) 16.04.2024 (54) A treatment process</p>	<p>(71) Fludder, C. (21) 2024901078 (22) 17.04.2024 (54) Cranial Plagiometer</p>
<p>(71) Children's Medical Research Institute (21) 2024901133 (22) 22.04.2024 (54) Prognostic signature</p>	<p>(71) Deakin University (21) 2024901127 (22) 22.04.2024 (54) Method for the physical separation of polyester and cotton from textile and mixed wastes</p>	<p>(71) Form Brick Pty Ltd (21) 2024901150 (22) 23.04.2024 (54) SINGLE- OR LIMITED-USE FORM LINERS FOR BRICK INLAY CONCRETE PANELS</p>
<p>(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024900998 (22) 10.04.2024 (54) Trait introgression process optimisation</p>	<p>(71) Design By Markland Pty Ltd T/As Tyre Halo (21) 2024901124 (22) 21.04.2024 (54) Improved Motorcycle Tyre Changing Stand</p>	<p>(71) Fox, R.; Bank, D. (21) 2024901068 (22) 16.04.2024 (54) METHODS OF CONSTRUCTING BUILDINGS AND COMPONENTS THEREFOR</p>
<p>(71) Connec Limited (21) 2024901132 (22) 22.04.2024 (54) An apparatus for a cable for transmission of power</p>	<p>(71) DIBBLE, S. (21) 2024901153 (22) 23.04.2024 (54) StoryTime</p>	<p>(71) GIANNINI, N. (21) 2024901052 (22) 15.04.2024 (54) SURFACE EDGING STRIP</p>
<p>(71) Connec Limited (21) 2024901135 (22) 22.04.2024 (54) An apparatus for a cable for transmission of power</p>	<p>(71) Doggin Safe Pty Ltd (21) 2024901012 (22) 11.04.2024 (54) SAFETY DEVICE</p>	<p>(71) Gibbs, T. (21) 2024901131 (22) 22.04.2024 (54) Soilage recovery</p>
<p>(71) CONTOLEON, G. (21) 2024901128 (22) 18.04.2024 (54) IDENTIFICATION OF GOLD AND PRECIOUS METAL BEARING SITES OF MAINLY FINE METALLIC PARTICLES AND ASSOCIATED ADVANCES IN EXTRACTION</p>	<p>(71) Dormer, K. (21) 2024901134 (22) 22.04.2024 (54) CORE TRAY AND METHOD OF MANUFACTURE</p>	<p>(71) GINNANE, V. (21) 2024901111 (22) 19.04.2024 (54) A SECURING DEVICE</p>
<p>(71) CSL Innovation Pty Ltd (21) 2024901051 (22) 15.04.2024 (54) Protein formulations and uses thereof</p>	<p>(71) DSI Underground Australia Pty Limited (21) 2024901062 (22) 16.04.2024 (54) Rock bolt assembly and associated installation</p>	<p>(71) HaemaLogiX Ltd (21) 2024901031 (22) 12.04.2024 (54) Anti-KMA Antibody Formulations</p>
<p>(71) Cumpson, P. (21) 2024901035 (22) 13.04.2024 (54) Device for Improved Last-Mile Targeting of Drone munitions</p>	<p>(71) El Antaki, M. (21) 2024901033 (22) 12.04.2024 (54) The Ciral Injection Hydrogen Fusion reactor</p>	<p>(71) Haines, T. (21) 2024901095 (22) 18.04.2024 (54) An Accessory for a Drill Bit</p>
<p>(71) Elmich Pte Ltd (21) 2024901029 (22) 12.04.2024 (54) Paver spacer for joint</p>	<p><b>Energy Storage Rights see Barbulescu, D.</b> (21) 2024901042</p>	

Provisional Applications Filed - Name Index cont'd

(71) Heath, S.  
(21) 2024901098 (22) 18.04.2024  
(54) ADHESIVE TAPE HOLDER WITH MULTIPLE TAPE ADHERING MEMBERS

(71) Henzel, D.  
(21) 2024901074 (22) 16.04.2024  
(54) Decentralised, Peer Verified Authentication System

(71) HJORTFLOD, K.; TANNOS, G.  
(21) 2024901088 (22) 18.04.2024  
(54) Method and Apparatus for Remotely Stopping A Gutter Outlet

(71) Huang, D.  
(21) 2024901105 (22) 19.04.2024  
(54) Create and consume 3D animation using controlling hierarchy on AI/ML

(71) Jenner Innovation Pty Ltd  
(21) 2024901097 (22) 18.04.2024  
(54) Yield prop

(71) Jibbon Australia Pty Ltd  
(21) 2024901139 (22) 23.04.2024  
(54) GATED KEYRING

(71) Kambuts, S.  
(21) 2024901117 (22) 19.04.2024  
(54) AIR SANITISATION APPARATUS

(71) KDB INTELLECTUAL PTY LTD  
(21) 2024901050 (22) 15.04.2024  
(54) CABINET

(71) King, E.J.  
(21) 2024901147 (22) 23.04.2024  
(54) Pulse monitoring device

(71) Kingsley, R.  
(21) 2024901073 (22) 16.04.2024  
(54) EAS Expired Air Systems. Tubing system to preserve life!

(71) Klisarov, I.; Ross, J.  
(21) 2024901110 (22) 19.04.2024  
(54) Fishing lure

(71) Laminex Group Pty Limited  
(21) 2024901043 (22) 15.04.2024  
(54) A LAMINATE PRODUCT

(71) Laundry Automation IP Pty Ltd  
(21) 2024901155 (22) 24.04.2024  
(54) Iterms sorting system and method

(71) Liberation Developments Pty Ltd  
(21) 2024901013 (22) 11.04.2024  
(54) TEMPORARY FENCING SYSTEM

(71) LOCATA CORPORATION PTY LTD  
(21) 2024901112 (22) 19.04.2024  
(54) Apparatus and Methods for Monitoring Deflection of a Structural Element

(71) Lynam, B.  
(21) 2024901034 (22) 13.04.2024  
(54) Heating Cable Waterproofing Flange System

(71) Macdonald, J.  
(21) 2024901119 (22) 19.04.2024  
(54) Multi-Purpose Floating Solar Thermal Sun Tracking Sphere for Climate Mitigation

**Manaaki Whenua Landcare Research (MWLR) see NOCTURNAL WILDLIFE RESEARCH PTY. LTD.**  
(21) 2024901039

(71) Markus, E.  
(21) 2024901102 (22) 19.04.2024  
(54) Device to enhance the security of the bitcoin ecosystem

(71) Martin, S.  
(21) 2024901152 (22) 23.04.2024  
(54) Safe and efficient way of removing paper wasp nests from structures

(71) MATRIXLabs Medical Inc.  
(21) 2024901038 (22) 13.04.2024  
(54) A KNOTTING ASSEMBLY AND A PACKAGING STRUCTURE THEREOF

**McBride, R. see McBride, D.**  
(21) 2024901060

(71) McBride, D.; McBride, R.  
(21) 2024901060 (22) 16.04.2024  
(54) A SUBMERGIBLE DECAL AND METHODS OF USE THEREOF

(71) McKenzie, R.  
(21) 2024901036 (22) 13.04.2024  
(54) A better method to lift a person from a mobility device

(71) Metrologi Pty Ltd  
(21) 2024901130 (22) 22.04.2024  
(54) Slurry Pipeline and Component Therefor

(71) Milroy, H.  
(21) 2024900999 (22) 10.04.2024  
(54) Electromagnetic Interference Translator

(71) Milroy, H.  
(21) 2024901076 (22) 17.04.2024  
(54) EMI-TRANSLATOR OF THE LIVED EXPERIENCE OF HUMANS AND ANIMALS

(71) Mitra, A.  
(21) 2024901037 (22) 13.04.2024  
(54) Expansile Porous Plugs for Endoluminal Therapies

(71) Monash University  
(21) 2024900829 (22) 27.03.2024  
(54) Nanosheet-Based Proton-Conducting-Nanochannel Membranes For Electrochemical Device Applications

(71) MP Hydro Pty Limited  
(21) 2024901109 (22) 19.04.2024  
(54) Bathing vessel

(71) My Medic Watch Pty Ltd  
(21) 2024901107 (22) 19.04.2024  
(54) A COMBINED PROCESS FOR DETECTING AND PREDICTING MULTIPLE MEDICAL EPISODES ALONE OR IN COMBINATION

(71) Nebula  
(21) 2024901061 (22) 16.04.2024  
(54) UNIVERSAL BLOCKCHAIN PLATFORM FOR AUTOMATED CONTRACT EXECUTION AND MANAGEMENT

(71) NEIGHBOURS, G.  
(21) 2024901008 (22) 11.04.2024  
(54) REINFORCEMENT STRUCTURE FABRICATOR AND RELATED SYSTEM AND METHODS

(71) Nic slab, Inc.  
(21) 2024901048 (22) 15.04.2024  
(54) SYSTEMS FOR SUPPLYING ELECTRICAL SIGNALS AND METHODS FOR OPERATING THOSE SYSTEMS

(71) Nikitin, J.  
(21) 2024901104 (22) 19.04.2024  
(54) Respiratory headgear

(71) NOCTURNAL WILDLIFE RESEARCH PTY. LTD.; Manaaki Whenua Landcare Research (MWLR)  
(21) 2024901039 (22) 14.04.2024  
(54) Assay to screen and assess the comparative efficacy of life-extending compounds.

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(71) Number 8 Bio Holdings Pty Ltd  
(21) 2024901030 (22) 12.04.2024  
(54) METHANOGENESIS AND PRO-  
DUCTIVITY MODIFYING COMPOSI-  
TION

(71) Olden, B.P.  
(21) 2024901115 (22) 19.04.2024  
(54) Lighting System

(71) Organic Technology Holdings (Innova-  
tion) Pty Ltd  
(21) 2024901028 (22) 12.04.2024  
(54) Apparatus and method for drying feed-  
stock

(71) Organic Technology Holdings (Innova-  
tion) Pty Ltd  
(21) 2024901077 (22) 17.04.2024  
(54) Apparatus and method for drying feed-  
stock

**Pact Renewables Pty Ltd see Arakel, A.**  
(21) 2024901136

**Palmer, A. see Palmer, F.**  
(21) 2024901040

(71) Palmer, F.; Palmer, A.  
(21) 2024901040 (22) 14.04.2024  
(54) Self-anchoring Ground Peg, Stake,  
Screw or Post

(71) Pharmorage Pty Limited  
(21) 2024901083 (22) 17.04.2024  
(54) Stereoisomer modified oligonucleotides

(71) PMSW Research Pty Ltd  
(21) 2024901091 (22) 18.04.2024  
(54) Orthopaedic navigation system

**Polymeron Pty Ltd see Davies Collison  
Cave Pty Ltd**  
(21) 2024901064

(71) Pool Covers Down Under  
(21) 2024901126 (22) 22.04.2024  
(54) POOL COVER AND SHADE COMBIN-  
ATION

(71) pop a squat  
(21) 2024901032 (22) 12.04.2024  
(54) outdoor squatting tent

(71) POPS PADDLES PTY LTD  
(21) 2024901004 (22) 10.04.2024  
(54) PICKLEBALL PADDLE AND METHOD

(71) POSITIVE BY DESIGN PTY LTD  
(21) 2024901058 (22) 16.04.2024  
(54) IMPROVED DEVICE CHARGER

(71) Pound, N.; Barringer, A.  
(21) 2024901137 (22) 22.04.2024  
(54) Personal Hydration Monitor

(71) Power, R.  
(21) 2024901054 (22) 15.04.2024  
(54) Suspension Bridge

(71) POWERSYNC PTY LTD  
(21) 2024901021 (22) 12.04.2024  
(54) A Communications System

(71) Psychae Therapeutics Pty Ltd  
(21) 2024901140 (22) 23.04.2024  
(54) Composition and method to treat,  
ameliorate or prevent a psychological,  
neurological or inflammatory disorder,  
and method for preparing composition

(71) Red Marker Pty Ltd  
(21) 2024901079 (22) 17.04.2024  
(54) INTELLIGENT RISK MITIGATION SYS-  
TEM AND METHOD USING NLP

(71) ResMed Pty Ltd  
(21) 2024901116 (22) 19.04.2024  
(54) POSITIONING, STABILISING, AND  
INTERFACING STRUCTURES AND  
SYSTEM INCORPORATING SAME

(71) Rickard, S.  
(21) 2024901092 (22) 18.04.2024  
(54) Composite bedding

(71) ROCHESTER, W.  
(21) 2024901093 (22) 18.04.2024  
(54) PIPE INSULATION COMPONENTS

**Ross, J. see Klisarov, I.**  
(21) 2024901110

(71) Royal Melbourne Institute of Techno-  
logy  
(21) 2024901113 (22) 19.04.2024  
(54) Electrocatalysts

(71) Royal Melbourne Institute of Techno-  
logy  
(21) 2024901114 (22) 19.04.2024  
(54) Modified MXene Electrocatalysts

(71) Saluda Medical Pty Limited  
(21) 2024901027 (22) 12.04.2024  
(54) Methods and systems for measuring  
evoked neural responses

(71) Saluda Medical Pty Limited  
(21) 2024901146 (22) 23.04.2024  
(54) Electrode lead assembly

(71) Sedarex Limited  
(21) 2024901156 (22) 24.04.2024  
(54) Method of treatment

(71) Seeing Machines Limited  
(21) 2024901143 (22) 23.04.2024  
(54) A VEHICLE CABIN MONITORING  
SYSTEM AND METHOD

(71) Senna Holding Enterprises Pty Ltd  
(21) 2024901082 (22) 17.04.2024  
(54) Battery System

(71) Shilling, I.  
(21) 2024901096 (22) 18.04.2024  
(54) Integrated Gearbox Replacement Sys-  
tem for Vehicle Driveline Enhancement  
And Modernisation

(71) South32 Hermosa Inc.  
(21) 2024901071 (22) 16.04.2024  
(54) PROCESS FOR EFFICIENT MET-  
AL RECOVERY FROM ORE USING  
A NOVEL HYDROMETALLURGICAL  
TECHNIQUE

(71) Stabilcorp Pty Ltd  
(21) 2024901069 (22) 16.04.2024  
(54) Skid steer attachment

(71) Stable Trailers Pty Ltd  
(21) 2024901055 (22) 15.04.2024  
(54) VEHICLE TRAILER ARRANGEMENT

(71) STERIBRIGHT HOLDINGS PTY LTD  
(21) 2024901066 (22) 16.04.2024  
(54) INDOOR UNIT FOR AN AIR PURIFIER

(71) Steven Peter Altair  
(21) 2024901129 (22) 22.04.2024  
(54) SELF-ADJUSTING ELECTRIC PARK  
BRAKE ASSEMBLY

**STEWART, T.A.R. see STEWART, J.M.**  
(21) 2024901006

(71) STEWART, J.M.; STEWART, T.A.R.  
(21) 2024901006 (22) 10.04.2024  
(54) Flue cleaning device

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(71) stutterbump training wheels (21) 2024901044 (22) 15.04.2024 (54) torsion arm training wheel	(71) The University of Sydney; Sydney Local Health District (21) 2024901063 (22) 16.04.2024 (54) Nanoparticle compositions	(71) Walker, S. (21) 2024901087 (22) 17.04.2024 (54) A tile levelling clip stub remover device
(71) Suncoast Leisure Group Pty Ltd (21) 2024901067 (22) 16.04.2024 (54) Trailer storage system	(71) The University of Sydney (21) 2024901154 (22) 24.04.2024 (54) Novel gene editing systems (2)	(71) WearOptimo Pty Ltd (21) 2024901045 (22) 15.04.2024 (54) Aptamers and uses therefor
(71) Sundstrom, P. (21) 2024901122 (22) 20.04.2024 (54) Pool Cover	(71) Three Peaks Medical Pty Ltd (21) 2024901106 (22) 19.04.2024 (54) Expanding dilator for an expanding sheath	(71) WearOptimo Pty Ltd (21) 2024901046 (22) 15.04.2024 (54) Aptamers and uses therefor
<b>Sydney Local Health District see The University of Sydney</b> (21) 2024901063	(71) Tribe Technology Pty Ltd (21) 2024901118 (22) 19.04.2024 (54) A Sampling Apparatus and A Splitter Assembly	(71) WearOptimo Pty Ltd (21) 2024901047 (22) 15.04.2024 (54) Aptamers and uses therefor
(71) SYNERGETICS PTY LTD (21) 2024901075 (22) 16.04.2024 (54) COVERS	(71) Tulsankar, S. (21) 2024901123 (22) 20.04.2024 (54) Safety tool for baby nappy change	(71) William J Ogg (21) 2024901007 (22) 10.04.2024 (54) The Secure Lure
(71) Tan, J. (21) 2024901145 (22) 23.04.2024 (54) A LIFTING CHAIR	(71) University, M. (21) 2024901020 (22) 12.04.2024 (54) Electroactive Materials	(71) Williamson, N. (21) 2024901018 (22) 12.04.2024 (54) A Tactile Interfacing Digital Musical Instrument Fidget Toy
<b>TANNOS, G. see HJORTFLOD, K.</b> (21) 2024901088	(71) Vann, M. (21) 2024901025 (22) 12.04.2024 (54) Lighting for tarps/Led	(71) Willis, G. (21) 2024901084 (22) 17.04.2024 (54) METHOD AND SYSTEM FOR EVALUATING AND TREATING CIRCADIAN-BASED NEUROLOGICAL, NEUROPSYCHIATRIC AND POST-ENCEPHALITIC DISORDERS USING ARTIFICIAL INTELLIGENCE
(71) The Beachy Bum Pty Ltd (21) 2024901081 (22) 17.04.2024 (54) Infant bouncer	(71) Vann, M. (21) 2024901026 (22) 12.04.2024 (54) An app that is able to deliver a connection between those impoverished and bypass the charities delivering 100% help straightaway anytime anywhere	(71) WIREMAN PTY LIMITED (21) 2024901065 (22) 16.04.2024 (54) A Tension Board Arrangement
(71) The Dynamic Engineering Solution Pty Ltd (21) 2024901014 (22) 11.04.2024 (54) LOAD SECURING DEVICE	(71) Vella, J. (21) 2024901005 (22) 10.04.2024 (54) Stoma implant assembly	(71) Wyman, G. see Wyman, K. (21) 2024901090
(71) The Florey Institute of Neuroscience and Mental Health (21) 2024901108 (22) 19.04.2024 (54) Biomarkers for Motor Neuron Disease 2	(71) Venus Metals Corporation Limited (21) 2024901089 (22) 18.04.2024 (54) Process for Selectively Recovering Iron and Vanadium	(71) Wyman, K.; Wyman, G. (21) 2024901090 (22) 18.04.2024 (54) Ergonomic knife handle design and blade attachment
(71) The University of Melbourne (21) 2024901003 (22) 10.04.2024 (54) Metallurgical Extraction	(71) Vrbic, R. (21) 2024901057 (22) 15.04.2024 (54) Stringline With Quick Retraction Of Line	(71) Yenchie Air Conditioning Solutions (21) 2024901056 (22) 15.04.2024 (54) HVAC&R Mould Bluster Machine
(71) The University of Melbourne (21) 2024901101 (22) 19.04.2024 (54) INHIBITION OF CORONAVIRUS	(71) WABI SYSTEMS PTY LTD (21) 2024901022 (22) 12.04.2024 (54) Building System	(71) Yildirim, T. (21) 2024901015 (22) 11.04.2024 (54) A mobile application to combat loneliness
(71) The University of Queensland (21) 2024901144 (22) 23.04.2024 (54) Hydrometallurgical process for copper	(71) Walker, C. (21) 2024901011 (22) 11.04.2024 (54) Apparatus for Driving a Screw into a Metal Sheet	



Provisional Applications Filed - Name Index cont'd

(71) Youngson, K.  
(21) 2024901072 (22) 16.04.2024  
(54) Decal generation and printing system

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(71) ZETCO VALVES PTY LTD  
(21) 2024901024 (22) 12.04.2024  
(54) A Fill Valve

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<b>2024900829</b>	Monash University	<b>2024901063</b>	The University of Sydney; Sydney Local Health District
<b>2024900998</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2024901064</b>	Davies Collision Cave Pty Ltd; Polymeron Pty Ltd
<b>2024900999</b>	Milroy, H.	<b>2024901065</b>	WIREMAN PTY LIMITED
<b>2024901001</b>	AERO CHAMBER PTY LTD	<b>2024901066</b>	STERIBRIGHT HOLDINGS PTY LTD
<b>2024901002</b>	BAE Systems Australia Limited	<b>2024901067</b>	Suncoast Leisure Group Pty Ltd
<b>2024901003</b>	The University of Melbourne	<b>2024901068</b>	Fox, R.; Bank, D.
<b>2024901004</b>	POPS PADDLES PTY LTD	<b>2024901069</b>	Stabilcorp Pty Ltd
<b>2024901005</b>	Vella, J.	<b>2024901070</b>	Auric Essentials
<b>2024901006</b>	STEWART, J.M.; STEWART, T.A.R.	<b>2024901071</b>	South32 Hermosa Inc.
<b>2024901007</b>	William J Ogg	<b>2024901072</b>	Youngson, K.
<b>2024901008</b>	NEIGHBOURS, G.	<b>2024901073</b>	Kingsley, R.
<b>2024901009</b>	Caton, A.	<b>2024901074</b>	Henzel, D.
<b>2024901010</b>	Alam, M.N.	<b>2024901075</b>	SYNERGETICS PTY LTD
<b>2024901011</b>	Walker, C.	<b>2024901076</b>	Milroy, H.
<b>2024901012</b>	Doggin Safe Pty Ltd	<b>2024901077</b>	Organic Technology Holdings (Innovation) Pty Ltd
<b>2024901013</b>	Liberation Developments Pty Ltd	<b>2024901078</b>	Fludder, C.
<b>2024901014</b>	The Dynamic Engineering Solution Pty Ltd	<b>2024901079</b>	Red Marker Pty Ltd
<b>2024901015</b>	Yildirim, T.	<b>2024901081</b>	The Beachy Bum Pty Ltd
<b>2024901016</b>	Breville Pty Limited	<b>2024901082</b>	Senna Holding Enterprises Pty Ltd
<b>2024901017</b>	Breville Pty Limited	<b>2024901083</b>	Pharmorage Pty Limited
<b>2024901018</b>	Williamson, N.	<b>2024901084</b>	Willis, G.
<b>2024901019</b>	batterham, a.	<b>2024901085</b>	FLIKIT
<b>2024901020</b>	University, M.	<b>2024901086</b>	Acrow Formwork & Scaffolding Pty Ltd
<b>2024901021</b>	POWERSYNC PTY LTD	<b>2024901087</b>	Walker, S.
<b>2024901022</b>	WABI SYSTEMS PTY LTD	<b>2024901088</b>	HJORTFLOD, K.; TANNOS, G.
<b>2024901023</b>	batterham, a.	<b>2024901089</b>	Venus Metals Corporation Limited
<b>2024901024</b>	ZETCO VALVES PTY LTD	<b>2024901090</b>	Wyman, K.; Wyman, G.
<b>2024901025</b>	Vann, M.	<b>2024901091</b>	PMSW Research Pty Ltd
<b>2024901026</b>	Vann, M.	<b>2024901092</b>	Rickard, S.
<b>2024901027</b>	Saluda Medical Pty Limited	<b>2024901093</b>	ROCHESTER, W.
<b>2024901028</b>	Organic Technology Holdings (Innovation) Pty Ltd	<b>2024901094</b>	Cuschieri, C.
<b>2024901029</b>	Elmich Pte Ltd	<b>2024901095</b>	Haines, T.
<b>2024901030</b>	Number 8 Bio Holdings Pty Ltd	<b>2024901096</b>	Shilling, I.
<b>2024901031</b>	HaemaLogiX Ltd	<b>2024901097</b>	Jenner Innovation Pty Ltd
<b>2024901032</b>	pop a squat	<b>2024901098</b>	Heath, S.
<b>2024901033</b>	El Antaki, M.	<b>2024901099</b>	AtomIQ Technologies PTY LTD
<b>2024901034</b>	Lynam, B.	<b>2024901100</b>	Australian Specialised Sourcing in Asia Pty Ltd
<b>2024901035</b>	Cumpson, P.	<b>2024901101</b>	The University of Melbourne
<b>2024901036</b>	McKenzie, R.	<b>2024901102</b>	Markus, E.
<b>2024901037</b>	Mitra, A.	<b>2024901103</b>	Australian Ceramics Engineering Pty Ltd
<b>2024901038</b>	MATRIXLabs Medical Inc.	<b>2024901104</b>	Nikitin, J.
<b>2024901039</b>	NOCTURNAL WILDLIFE RESEARCH PTY. LTD.; Man-aaki Whenua Landcare Research (MWLR)	<b>2024901105</b>	Huang, D.
<b>2024901040</b>	Palmer, F.; Palmer, A.	<b>2024901106</b>	Three Peaks Medical Pty Ltd
<b>2024901041</b>	Bourke, J.	<b>2024901107</b>	My Medic Watch Pty Ltd
<b>2024901042</b>	Barbulescu, D.; Barbulescu, T.; Energy Storage Rights; Barbulescu, V.; Barbulescu, C.; Barbulescu, D.	<b>2024901108</b>	The Florey Institute of Neuroscience and Mental Health
<b>2024901043</b>	Laminex Group Pty Limited	<b>2024901109</b>	MP Hydro Pty Limited
<b>2024901044</b>	stutterbump training wheels	<b>2024901110</b>	Klisarov, I.; Ross, J.
<b>2024901045</b>	WearOptimo Pty Ltd	<b>2024901111</b>	GINNANE, V.
<b>2024901046</b>	WearOptimo Pty Ltd	<b>2024901112</b>	LOCATA CORPORATION PTY LTD
<b>2024901047</b>	WearOptimo Pty Ltd	<b>2024901113</b>	Royal Melbourne Institute of Technology
<b>2024901048</b>	Nicslab, Inc.	<b>2024901114</b>	Royal Melbourne Institute of Technology
<b>2024901049</b>	Dahini, C.	<b>2024901115</b>	Olden, B.P.
<b>2024901050</b>	KDB INTELLECTUAL PTY LTD	<b>2024901116</b>	ResMed Pty Ltd
<b>2024901051</b>	CSL Innovation Pty Ltd	<b>2024901117</b>	Kambuts, S.
<b>2024901052</b>	GIANNINI, N.	<b>2024901118</b>	Tribe Technology Pty Ltd
<b>2024901053</b>	Biocell Innovations Pte Ltd	<b>2024901119</b>	Macdonald, J.
<b>2024901054</b>	Power, R.	<b>2024901120</b>	fitzgibbons, S.
<b>2024901055</b>	Stable Trailers Pty Ltd	<b>2024901121</b>	ADDICTED TO TOOLS PTY LTD
<b>2024901056</b>	Yenchie Air Conditioning Solutions	<b>2024901122</b>	Sundstrom, P.
<b>2024901057</b>	Vrbic, R.	<b>2024901123</b>	Tulsankar, S.
<b>2024901058</b>	POSITIVE BY DESIGN PTY LTD	<b>2024901124</b>	Design By Markland Pty Ltd T/As Tyre Halo
<b>2024901059</b>	Hamal, D.	<b>2024901125</b>	Davidson, F.
<b>2024901060</b>	McBride, D.; McBride, R.	<b>2024901126</b>	Pool Covers Down Under
<b>2024901061</b>	Nebula	<b>2024901127</b>	Deakin University
<b>2024901062</b>	DSI Underground Australia Pty Limited	<b>2024901128</b>	CONTOLEON, G.
		<b>2024901129</b>	Steven Peter Altair
		<b>2024901130</b>	Metrologi Pty Ltd
		<b>2024901131</b>	Gibbs, T.

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2024901132 Connec Limited  
2024901133 Children's Medical Research Institute  
2024901134 Dormer, K.  
2024901135 Connec Limited  
2024901136 Arakel, A.; Pact Renewables Pty Ltd  
2024901137 Pound, N.; Barringer, A.  
2024901138 Aquila Space Technologies Pty Ltd  
2024901139 Jibbon Australia Pty Ltd  
2024901140 Psychae Therapeutics Pty Ltd  
2024901141 Carbelec Pty Ltd  
2024901142 Advance Change Pty Ltd  
2024901143 Seeing Machines Limited  
2024901144 The University of Queensland  
2024901145 Tan, J.  
2024901146 Saluda Medical Pty Limited  
2024901147 King, E.J.  
2024901148 ABADOG PTY LTD  
2024901149 AMSL Innovations Pty Ltd  
2024901150 Form Brick Pty Ltd  
2024901151 Brennan, T.  
2024901152 Martin, S.  
2024901153 DIBBLE, S.  
2024901154 The University of Sydney  
2024901155 Laundry Automation IP Pty Ltd  
2024901156 Sedarex Limited  
2024901157 ESM Technology Group Limited

**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 16 Apr 2024 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

(71) Abbott Diabetes Care Inc. (21) 2024202384 (22) 11.04.2024 (54) Method and apparatus for determining medication dose information	(71) AFT Pharmaceuticals Limited; Massey Ventures Limited; Gillies McIndoe Research Institute (21) 2024202561 (22) 18.04.2024 (54) Treatment of Hemangioma	(71) Alpha Tau Medical Ltd. (21) 2024202338 (22) 11.04.2024 (54) Diffusing alpha-emitter radiation therapy for glioblastoma
(71) AbbVie S.á.r.l.; Galapagos NV (21) 2024202468 (22) 16.04.2024 (54) Heteroaryl substituted pyridines and methods of use	<b>Agency for Science, Technology and Research see Chugai Seiyaku Kabushiki Kaisha</b> (21) 2024202535	(71) Alpha Tau Medical Ltd. (21) 2024202339 (22) 11.04.2024 (54) Diffusing alpha-emitter radiation therapy for pancreatic cancer
(71) Absalom, B.; Green, J. (21) 2024202490 (22) 16.04.2024 (54) A STRUCTURAL BRACE AND METHOD OF USE THEREOF	(71) AgResearch Limited (21) 2024202669 (22) 24.04.2024 (54) Agricultural Composition	(71) ALSTOM Holdings (21) 2024202434 (22) 15.04.2024 (54) System and method for controlling the integrity of a railway convoy, and railway convoy comprising such system
(71) ABUS August Bremicker Söhne KG (21) 2024202631 (22) 23.04.2024 (54) HOLDER FOR CONNECTING A NECK STRAP TO THE HELMET SHELL OF A HELMET	(71) AIGI Environmental Inc. (21) 2024202595 (22) 19.04.2024 (54) Sealing packing	(71) Amgen Inc. (21) 2024202623 (22) 22.04.2024 (54) Plungers for drug delivery devices
(71) Access Vascular, Inc (21) 2024202556 (22) 18.04.2024 (54) High strength porous materials incorporating water soluble polymers	(71) Akroswiss AG (21) 2024202429 (22) 13.04.2024 (54) Bi-dose nasal spray	(71) Andonopoulos, P. (21) 2024202356 (22) 11.04.2024 (54) SYSTEM FOR PRODUCING SHADOW LINES
(71) Acerta Pharma B.V. (21) 2024202290 (22) 10.04.2024 (54) PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[(2S)-1-(BUT-2-YNOYL)-PYRROLIDIN-2-YL]IMIDAZO[1,5-A]PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE	(71) Akroswiss AG (21) 2024202430 (22) 13.04.2024 (54) Bi-dose nasal spray	(71) ANDURIL INDUSTRIES, INC. (21) 2024202362 (22) 11.04.2024 (54) Modular system for detecting, tracking and transmitting to identified objects
(71) ADAMA Agan Ltd. (21) 2024202337 (22) 11.04.2024 (54) Process for preparing methoxy methyl pyridine dicarboxylate	(71) Aladdin Manufacturing Corporation (21) 2024202368 (22) 11.04.2024 (54) Method for manufacturing a carpet or a rug and a carpet or rug obtained thereby	(71) Angel Group Co., Ltd. (21) 2024202521 (22) 17.04.2024 (54) Table game management system, gaming table layout, and gaming table
(71) Adobe Inc. (21) 2024202520 (22) 17.04.2024 (54) GENERATING THREE-DIMENSIONAL LOOPING ANIMATIONS FROM STILL IMAGES	(71) Alcresta Therapeutics, Inc. (21) 2024202663 (22) 24.04.2024 (54) Devices and methods for the supplementation of a nutritional formula	(71) ANJI COZY HOME CO.,LTD. (21) 2024202539 (22) 17.04.2024 (54) ASSEMBLED SOFA ARMREST STRUCTURE
(71) Advanced Lithium Electrochemistry Co., Ltd. (21) 2024202671 (22) 24.04.2024 (54) Composite cathode preparation method	(71) Aleksovski, J. (21) 2024202472 (22) 16.04.2024 (54) Exclusion zone demarcation	(71) AOBiome LLC (21) 2024202444 (22) 15.04.2024 (54) Ammonia-oxidizing nitrosomonas eutropha strain D23
	(71) ALGOFORCE PTY LTD (21) 2024202462 (22) 16.04.2024 (54) Handheld Underground Metal Detector with Adaptive Display	(71) Apple Inc. (21) 2024202344 (22) 11.04.2024 (54) Media browsing user interface with intelligently selected representative media items
	<b>Allergenis LLC see iCahn School of Medicine at Mount Sinai</b> (21) 2024202507	

Complete Applications Filed - Name Index cont'd

(71) Apple Inc. (21) 2024202667 (22) 24.04.2024 (54) Devices and methods for interacting with an application switching user interface	(71) Assa Abloy Limited (21) 2024202495 (22) 17.04.2024 (54) ROTARY ABSOLUTE ENCODER, LOCK AND METHOD OF OPERATING A LOCK	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024202568 (22) 18.04.2024 (54) Image data encoding/decoding method and apparatus
(71) Apple Inc. (21) 2024202670 (22) 24.04.2024 (54) Devices, methods, and graphical user interfaces for interacting with three-dimensional environments	(71) Aurigene Oncology Limited (21) 2024202522 (22) 17.04.2024 (54) Crystalline forms of 3-substituted 1,2,4-oxadiazole	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024202570 (22) 18.04.2024 (54) Image data encoding/decoding method and apparatus
(71) Aqseptence Group, Inc (21) 2024202410 (22) 12.04.2024 (54) ENHANCED SHAPE SUPPORT GRID	(71) Aurora Beauty Parlour (21) 2024202426 (22) 13.04.2024 (54) Tool for beauticians to highlight with ease using string	(71) BARGENT THERAPEUTICS PTY LIMITED (21) 2024202393 (22) 12.04.2024 (54) Methods of treating allograft rejection
(71) ARCHER AVIATION, INC. (21) 2024202298 (22) 10.04.2024 (54) SYSTEMS AND METHODS FOR CONTROL ALLOCATION FOR ELECTRIC VERTICAL TAKE-OFF AND LANDING AIRCRAFT	(71) Aus Mining Services Pty Ltd (21) 2024202575 (22) 18.04.2024 (54) IMPROVED GAS WATER SEPARATOR	(71) BECKMAN COULTER, INC. (21) 2024202364 (22) 11.04.2024 (54) SAMPLE PREPARATION
(71) Aristocrat Technologies, Inc. (21) 2024202517 (22) 17.04.2024 (54) SYSTEMS AND METHODS FOR CASINO ASSET LOCATION MONITORING	(71) Aussie Wine Group Holdings Pty Ltd (21) 2024202404 (22) 12.04.2024 (54) FRUIT HARVESTER APPARATUS AND METHOD OF USE	(71) Beijing Roborock Technology Co., Ltd (21) 2024202597 (22) 19.04.2024 (54) Cleaning device
(71) Aristocrat Technologies, Inc. (21) 2024202647 (22) 23.04.2024 (54) GAMING DEVICE INCLUDING A HINGE ASSEMBLY FOR A DOOR	(71) AustinPx, LLC (21) 2024202528 (22) 17.04.2024 (54) Improved formulations of deferasirox and methods of making the same	(71) Belgravia Wood Limited (21) 2024202578 (22) 19.04.2024 (54) Improved automatic exhaust mechanism
(71) Aristocrat Technologies Australia Pty Limited (21) 2024202397 (22) 12.04.2024 (54) A GAMING SYSTEM AND A METHOD OF GAMING	(71) Axon Enterprise, Inc. (21) 2024202357 (22) 11.04.2024 (54) Body Worn Camera Side Latch	(71) BicycleTx Limited (21) 2024202618 (22) 22.04.2024 (54) Bicyclic peptide ligands specific for EphA2
(71) Aristocrat Technologies Australia Pty Limited (21) 2024202402 (22) 12.04.2024 (54) A GAMING DEVICE	(71) Axon Enterprise, Inc. (21) 2024202358 (22) 11.04.2024 (54) Preventing Accidental Ending Of Video Data Capture	(71) Biogen MA Inc. (21) 2024202423 (22) 12.04.2024 (54) COMPOSITIONS FOR MODULATING SOD-1 EXPRESSION
(71) Aristocrat Technologies Australia Pty Limited (21) 2024202409 (22) 12.04.2024 (54) A METHOD OF GAMING, A GAMING SYSTEM, AND A GAME CONTROLLER	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024202565 (22) 18.04.2024 (54) Image data encoding/decoding method and apparatus	(71) Biohaven Therapeutics Ltd. (21) 2024202496 (22) 17.04.2024 (54) KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE
(71) Aristocrat Technologies Australia Pty Ltd (21) 2024202455 (22) 15.04.2024 (54) GAMING DEVICE WITH INTERRELATED FEATURE GAMES	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024202567 (22) 18.04.2024 (54) Image data encoding/decoding method and apparatus	(71) Blue River Technology Inc. (21) 2024202443 (22) 15.04.2024 (54) ESTIMATING PERFORMANCE AND MODIFYING PERFORMANCE PARAMETERS FOR A FARMING MACHINE USING OPERATOR FEEDBACK
	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024202567 (22) 18.04.2024 (54) Image data encoding/decoding method and apparatus	(71) Boehringer Ingelheim International GmbH (21) 2024202299 (22) 10.04.2024 (54) Process for the preparation of highly concentrated liquid formulations containing biomolecules

Complete Applications Filed - Name Index cont'd

(71) BOE Technology Group Co., Ltd.  
(21) 2024202417 (22) 12.04.2024  
(54) Display device, display panel and manufacturing method therefor

(71) Boston Scientific Scimed, Inc.  
(21) 2024202315 (22) 10.04.2024  
(54) Multiple pump system for inflatable penile prosthesis

(71) Boston Scientific Scimed, Inc.  
(21) 2024202355 (22) 11.04.2024  
(54) Pump assembly with pressure relief mechanism for a penile prosthesis

(71) Boston Scientific Scimed Inc.  
(21) 2024202544 (22) 18.04.2024  
(54) Scope device

(71) Britax Römer Kindersicherheit GmbH  
(21) 2024202540 (22) 17.04.2024  
(54) SUPPORT LEG REBOUND LOCK

(71) BTL Medical Development a.s.  
(21) 2024202538 (22) 17.04.2024  
(54) Pulsed field ablation device and method

(71) BUICE, M.; WOODY, J.; GREESON, J.; WOOD, J.; SAILORS, D.  
(21) 2024202400 (22) 12.04.2024  
(54) Topical composition for improved healing of open wounds

(71) Cancer Research Technology Limited; The Institute of Cancer Research: Royal Cancer Hospital  
(21) 2024202525 (22) 17.04.2024  
(54) Benzimidazolone derived inhibitors of BCL6

(71) Canon Kabushiki Kaisha  
(21) 2024202399 (22) 12.04.2024  
(54) Method, apparatus and system for encoding and decoding one or more tensors

(71) Canon Kabushiki Kaisha  
(21) 2024202406 (22) 12.04.2024  
(54) Method, apparatus and system for encoding and decoding one or more tensors

(71) Canon Kabushiki Kaisha  
(21) 2024202416 (22) 12.04.2024  
(54) Method, apparatus and system for encoding and decoding a plurality of tensors

(71) Canva Pty Ltd  
(21) 2024202305 (22) 10.04.2024

(54) Systems and methods for extracting tables from documents field

(71) Canva Pty Ltd  
(21) 2024202312 (22) 10.04.2024  
(54) Systems and methods for controlling bias in generative AI models

(71) Canva Pty Ltd  
(21) 2024202563 (22) 18.04.2024  
(54) Systems and methods for applying effects to design elements

(71) Canva Pty Ltd.  
(21) 2024202562 (22) 18.04.2024  
(54) A multi-user system for creating brand collateral

(71) CATERPILLAR INC.  
(21) 2024202379 (22) 11.04.2024  
(54) SYSTEM FOR MEASURING LOAD ON LOWER BOOM BLOCK YOKE OF PIPELAYERS

(71) CFPH, LLC  
(21) 2024202307 (22) 10.04.2024  
(54) GAMES USING FINANCIAL INDICATORS AS RANDOM NUMBER GENERATORS

(71) Chase Therapeutics Corporation  
(21) 2024202516 (22) 17.04.2024  
(54) Pharmaceutical combination and its use for treating synucleinopathies

(71) Checkpoint Systems, Inc.  
(21) 2024202677 (22) 24.04.2024  
(54) ADJUSTABLE CLAMP PRODUCT SECURITY DEVICE

(71) ChemoCentryx, Inc.  
(21) 2024202593 (22) 19.04.2024  
(54) C5aR inhibitor reduction of urinary sCD163

(71) CHENGDU ALANGTECH CO., LTD.  
(21) 2024202473 (22) 16.04.2024  
(54) Device for manufacturing steel bifurcated pipes and manufacturing method thereof

(71) Chongqing Changan Automobile Co., Ltd.  
(21) 2024202333 (22) 10.04.2024  
(54) Vehicle Terminal Remote Control Method And System, Electronic Device And Storage Medium

(71) Chr. Hansen A/S  
(21) 2024202396 (22) 12.04.2024

(54) Lactase enzymes with improved properties

(71) Chugai Seiyaku Kabushiki Kaisha; Agency for Science, Technology and Research  
(21) 2024202535 (22) 17.04.2024  
(54) Anti-dengue virus antibodies, polypeptides containing variant Fc regions, and methods of use

(71) COHERE TECHNOLOGIES, INC.  
(21) 2024202497 (22) 17.04.2024  
(54) SPATIAL MULTIPLEXING OF DIFFERENT RADIO TECHNOLOGIES

**Commonwealth Scientific and Industrial Research Organisation see The Boeing Company**  
(21) 2024202440

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2024202572 (22) 18.04.2024  
(54) Object monitoring system

(71) Compugen Ltd.  
(21) 2024202336 (22) 11.04.2024  
(54) Anti-PVRIG antibodies and methods of use

(71) Confoil Pty Ltd  
(21) 2024202633 (22) 23.04.2024  
(54) MANUFACTURE OF PRESSED BOARD TRAYS

(71) ConforMIS, Inc.  
(21) 2024202367 (22) 11.04.2024  
(54) Advanced methods, techniques, devices, and systems for cruciate retaining knee implants

(71) Congreve, A.  
(21) 2024202388 (22) 11.04.2024  
(54) Spectator Garment

(71) Continental Global Material Handling LLC  
(21) 2024202514 (22) 17.04.2024  
(54) Winch drum tension isolation system

(71) Control Bionics Limited  
(21) 2024202555 (22) 18.04.2024  
(54) MULTI-MODAL SWITCHING CONTROLLER FOR COMMUNICATION AND CONTROL

**Corteva Agriscience LLC see Intervet International B.V.**  
(21) 2024202584

Complete Applications Filed - Name Index cont'd

(71) Covenant Eyes, Inc. (21) 2024202335 (22) 11.04.2024 (54) Applications, systems and methods to monitor, filter and/or alter output of a computing device	(54) Graph simulation for facial micro features with dynamic animation	(71) Epizyme, Inc. (21) 2024202398 (22) 12.04.2024 (54) Inhibition of SMARCA2 for treatment of cancer
(71) CTTQ-Akeso (ShangHai) Biomed. Tech. Co., Ltd. (21) 2024202527 (22) 17.04.2024 (54) Anti-PD1 monoclonal antibody, pharmaceutical composition thereof and use thereof	(71) Disney Enterprises, Inc. (21) 2024202288 (22) 10.04.2024 (54) Graph simulation for facial micro features with dynamic animation	(71) Ethicon, Inc. (21) 2024202559 (22) 18.04.2024 (54) Adapter manifold for multi-barrel syringe applicator
(71) CubicPV Inc. (21) 2024202482 (22) 16.04.2024 (54) HYBRID PEROVSKITE MATERIAL PROCESSING	(71) Dolby International AB (21) 2024202301 (22) 10.04.2024 (54) Integration of high frequency audio reconstruction techniques	(71) Ethicon, Inc. (21) 2024202560 (22) 18.04.2024 (54) Adapter manifold for multi-barrel syringe applicator
(71) Cummins Power Generation Inc. (21) 2024202674 (22) 24.04.2024 (54) Power system sequencing scheme for any arbitrary topology	(71) Dolby International AB (21) 2024202352 (22) 11.04.2024 (54) Integration of high frequency audio reconstruction techniques	(71) EW Nutrition GmbH (21) 2024202526 (22) 17.04.2024 (54) Stable Protease Variants
<b>Daewon Precision Industrial Co., Ltd see Hyundai Motor Company</b> (21) 2024202382	(71) Dolby Laboratories Licensing Corporation (21) 2024202536 (22) 17.04.2024 (54) Quantization parameter signaling	(71) EXEL Industries (21) 2024202615 (22) 22.04.2024 (54) Composter
(71) Deltatek Oil Tools Limited (21) 2024202529 (22) 17.04.2024 (54) DOWNHOLE APPARATUS AND METHOD	(71) E3D A.C.A.L (21) 2024202523 (22) 17.04.2024 (54) EMERGENCY AUTOMATIC INJECTION DEVICE	(71) Farrell, R.; Galli, D.; Gubbels, B. (21) 2024202492 (22) 16.04.2024 (54) A HEIGHT-ADJUSTABLE REINFORCEMENT BAR STAND FOR SUPPORTING REINFORCEMENT BARS ABOVE A SURFACE
(71) Depuy Ireland Unlimited Company (21) 2024202600 (22) 19.04.2024 (54) Connection member and method	(71) Eastern Michigan University; The Regents of the University of Michigan (21) 2024202617 (22) 22.04.2024 (54) Plasminogen Activator Inhibitor-1 (PAI-1) Inhibitor And Method Of Use	(71) FEF Group Pty Ltd (21) 2024202621 (22) 22.04.2024 (54) Formwork Wall Panel and Formwork Assembly
(71) Diehl Metering S.A.S. (21) 2024202351 (22) 11.04.2024 (54) Measuring device for a liquid meter and meter comprising such a measuring device	(71) eBay Inc. (21) 2024202533 (22) 17.04.2024 (54) Online transaction system for identifying counterfeits	(71) Fisher & Paykel Healthcare Limited (21) 2024202309 (22) 10.04.2024 (54) A TUBE SECUREMENT SYSTEM
(71) Differential Dynamics Corporation; Han, K.S. (21) 2024202456 (22) 15.04.2024 (54) SCALABLE AND EFFICIENT MECHANICAL SPEED CONVERTER-CONTROLLED WIND AND HYDROKINETIC TURBINES	(71) ECO FIN CO., LTD. (21) 2024202673 (22) 24.04.2024 (54) STRAW	(71) Fisher & Paykel Healthcare Limited (21) 2024202442 (22) 15.04.2024 (54) Overmolded Textile Cushion
(71) Discoverr.AI Pty Ltd (21) 2024202375 (22) 11.04.2024 (54) BrangChain - Solving Last Mile Delivery Problem with Sustainable Solution - Pharmacy	(71) E Ink Corporation (21) 2024202428 (22) 13.04.2024 (54) ENHANCED PUSH-PULL (EPP) WAVEFORMS FOR ACHIEVING PRIMARY COLOR SETS IN MULTI-COLOR ELECTROPHORETIC DISPLAYS	(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2024202342 (22) 11.04.2024 (54) BREATHING ASSISTANCE APPARATUS
(71) Disney Enterprises, Inc. (21) 2024202285 (22) 10.04.2024	(71) Eli Lilly and Company (21) 2024202573 (22) 18.04.2024 (54) KRas G12C inhibitors	(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2024202658 (22) 24.04.2024

Complete Applications Filed - Name Index cont'd

(54) PATIENT INTERFACE AND ASPECTS THEREOF

(71) Ford, A.  
(21) 2024202390 (22) 11.04.2024  
(54) Kitchen Plastic bag drying system

(71) Foshan Baitai Auto Accessories Co., Ltd  
(21) 2024202459 (22) 16.04.2024  
(54) HIGH-STRENGTH LIGHTWEIGHT AUTOMOBILE COMPARTMENT TONEAU COVER

(71) FujiClean Co., Ltd.  
(21) 2024202630 (22) 23.04.2024  
(54) WASTEWATER TREATMENT APPARATUS, CARTRIDGE AND METHOD OF TAKING THE CARTRIDGE OUT OF THE WASTEWATER TREATMENT APPARATUS

Galapagos NV see AbbVie S.á.r.l.  
(21) 2024202468

Galli, D. see Farrell, R.  
(21) 2024202492

(71) Genisphere LLC  
(21) 2024202345 (22) 11.04.2024  
(54) Nucleic acid carriers and therapeutic methods of use

(71) GEN-Y CREATIONS, LLC  
(21) 2024202469 (22) 16.04.2024  
(54) QUICK CONNECT BALL COUPLER

(71) Geomni, Inc.  
(21) 2024202415 (22) 12.04.2024  
(54) Systems and methods for rapidly developing annotated computer models of structures

(71) Gervais, M.  
(21) 2024202369 (22) 11.04.2024  
(54) Wall with Passive Ventilation for Dwelling

(71) GE Video Compression, LLC  
(21) 2024202509 (22) 17.04.2024  
(54) Transform coefficient coding

(71) Gilead Sciences, Inc.  
(21) 2024202549 (22) 18.04.2024  
(54) Crystalline forms of (S) 2 ethylbutyl 2 (((S) (((2R,3S,4R,5R) 5 (4aminopyrrolo[2,1-f] [1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2 yl)methoxy) (phenoxy)phosphoryl)amino)propanoate

(71) Gilead Sciences, Inc.  
(21) 2024202598 (22) 19.04.2024  
(54) CD73 inhibiting 2,4-dioxypyrimidine compounds

Gillies McIndoe Research Institute see AFT Pharmaceuticals Limited  
(21) 2024202561

(71) Global Neighbor, Inc.  
(21) 2024202586 (22) 19.04.2024  
(54) Programming of seeds using unnatural light exposure

(71) Global Specimen Solutions, Inc.  
(21) 2024202341 (22) 11.04.2024  
(54) A METHOD AND SYSTEM FOR CODIFICATION, TRACKING, AND USE OF INFORMED CONSENT DATA FOR HUMAN SPECIMEN RESEARCH

(71) Google LLC  
(21) 2024202537 (22) 17.04.2024  
(54) TEXT-BASED REAL IMAGE EDITING WITH DIFFUSION MODELS

(71) Google LLC  
(21) 2024202594 (22) 19.04.2024  
(54) ATTENTION-BASED SEQUENCE TRANSDUCTION NEURAL NETWORKS

(71) Grand Performance Online Pty Limited  
(21) 2024202585 (22) 19.04.2024  
(54) Autonomous and integrated system, method and computer program for dynamic optimisation and allocation of resources for defined spaces and time periods

Green, J. see Absalom, B.  
(21) 2024202490

GREESON, J. see BUICE, M.  
(21) 2024202400

Gubbels, B. see Farrell, R.  
(21) 2024202492

Han, K.S. see Differential Dynamics Corporation  
(21) 2024202456

(71) Harpoon Therapeutics, Inc.  
(21) 2024202642 (22) 23.04.2024  
(54) Single chain variable fragment CD3 binding proteins

(71) HD3 Limited  
(21) 2024202363 (22) 11.04.2024  
(54) Hair Styling Device, Hair Styling method And Drive System

(71) He, J.  
(21) 2024202487 (22) 16.04.2024  
(54) Hair removal device

(71) HEFEI TG IMMUNOPHARMA CO., LTD.  
(21) 2024202640 (22) 23.04.2024  
(54) Mica Antibody with Affinity Maturation and Use Thereof

(71) Hitachi, Ltd.  
(21) 2024202349 (22) 11.04.2024  
(54) Failure probability evaluation apparatus

(71) Hivestack Inc.  
(21) 2024202405 (22) 12.04.2024  
(54) Out of home digital ad server

(71) Hodder & Taylors Limited  
(21) 2024202579 (22) 19.04.2024  
(54) A seed treatment and related methods and apparatus

(71) Hologic, Inc.  
(21) 2024202329 (22) 10.04.2024  
(54) Breast compression paddle with access corners

(71) Horizon Global Americas Inc.  
(21) 2024202564 (22) 18.04.2024  
(54) DETACHABLE RECEIVER

(71) Howell, R.  
(21) 2024202432 (22) 14.04.2024  
(54) heavy duty collapsible bin

(71) HOWMEDICA OSTEONICS CORP.  
(21) 2024202282 (22) 10.04.2024  
(54) IMPLANT SUPPORT STRUCTURE AND METHOD OF FABRICATION OF IMPLANT USING THE SAME

(71) HOWMEDICA OSTEONICS CORP.  
(21) 2024202605 (22) 22.04.2024  
(54) BREAKAWAY COVERS FOR USE IN PROCESSING BUILD STRUCTURES WITH POROUS REGIONS

(71) HSP Hochspannungsgeräte GmbH  
(21) 2024202499 (22) 17.04.2024  
(54) METHOD FOR JOINING ELECTRICAL STEEL LAMINATIONS AND DEVICE



Complete Applications Filed - Name Index cont'd

FOR CARRYING OUT SUCH A METHOD

**HUIZHOU CLEAR LIGHTING CO., LTD. see SHENZHEN CLEAR LIGHTING CO., LTD.**  
(21) 2024202453

**HUIZHOU CLEAR LIGHTING CO., LTD. see SHENZHEN CLEAR LIGHTING CO., LTD.**  
(21) 2024202454

(71) Hyundai Motor Company; Kia Corporation; Daewon Precision Industrial Co., Ltd  
(21) 2024202382 (22) 11.04.2024  
(54) Seatback restraint device for vehicle

(71) iCahn School of Medicine at Mount Sinai; Allergen LLC  
(21) 2024202507 (22) 17.04.2024  
(54) Peptides, Reagents And Methods For Detecting Food Allergy

(71) IDEMIA France  
(21) 2024202326 (22) 10.04.2024  
(54) Mobile payment roaming

(71) IGT  
(21) 2024202334 (22) 11.04.2024  
(54) LINKING GAMING ESTABLISHMENT FUND MANAGEMENT ACCOUNT WITH FINANCIAL ACCOUNT ASSOCIATED WITH PAYMENT INSTRUMENT

(71) IGT  
(21) 2024202541 (22) 18.04.2024  
(54) Independently Randomly Determined Symbol Pattern Set Associated with Symbol Display Positions

(71) IGT  
(21) 2024202550 (22) 18.04.2024  
(54) System and Method for Controlling Electronic Gaming Machine/Electronic Gaming Machine Component Bezel Lighting to Indicate Different Wireless Connection Statuses

(71) IGT  
(21) 2024202655 (22) 24.04.2024  
(54) ACCESSING GAMING ESTABLISHMENT ACCOUNT FUNDS WITH A TICKET VOUCHER

(71) IHI Corporation  
(21) 2024201987 (22) 27.03.2024  
(54) Operation plan creation device, operation plan creation method, operation plan creation program, and method for producing hydrogen

(71) Illinois Tool Works Inc.  
(21) 2024202348 (22) 11.04.2024  
(54) Fastener driving tool having a retractable probe assembly

(71) Illinois Tool Works Inc.  
(21) 2024202557 (22) 18.04.2024  
(54) Connection of structural components in a building structure

(71) Illumina, Inc.  
(21) 2024202607 (22) 22.04.2024  
(54) Compositions And Methods For Improving Sample Identification In Indexed Nucleic Acid Libraries

(71) Imagine Scientific, Inc.  
(21) 2024202624 (22) 22.04.2024  
(54) Monochromatic x-ray imaging systems and methods

(71) immatics biotechnologies GmbH  
(21) 2024202609 (22) 22.04.2024  
(54) Novel immunotherapy against several tumors including gastrointestinal and gastric cancer

(71) Immuneering Corporation  
(21) 2024202524 (22) 17.04.2024  
(54) MEK inhibitors and therapeutic uses thereof

(71) Industrie Borla S.p.A  
(21) 2024202366 (22) 11.04.2024  
(54) VALVE CONNECTOR FOR MEDICAL LINES

(71) Innate Pharma  
(21) 2024202552 (22) 18.04.2024  
(54) NEUTRALIZATION OF INHIBITORY PATHWAYS IN LYMPHOCYTES

(71) INOSYSTEMS  
(21) 2024202457 (22) 16.04.2024  
(54) APPARATUS FOR DELIVERING GASEOUS NITRIC OXIDE IN PROPORTIONAL OR PULSED MODE

(71) Intervet International B.V.; Corteva Agriscience LLC  
(21) 2024202584 (22) 19.04.2024  
(54) Antiparasitic compounds

(71) Intratus-Nevada, Inc.  
(21) 2024202353 (22) 11.04.2024  
(54) Compositions and methods for treating presbyopia, hyperopia, astigmatism, decreased stereopsis, and decreased contrast sensitivity

(71) Intuit Inc.  
(21) 2024202372 (22) 11.04.2024  
(54) Extractive summary generation by abstractive trained model

(71) Intuit Inc.  
(21) 2024202381 (22) 11.04.2024  
(54) Model based document image enhancement

(71) Intuit Inc.  
(21) 2024202411 (22) 12.04.2024  
(54) Disambiguity in large language models

(71) Intuit Inc.  
(21) 2024202531 (22) 17.04.2024  
(54) Data services with privacy preservation and repeatability

(71) Ipsen Biopharm Limited  
(21) 2024202302 (22) 10.04.2024  
(54) Chimeric neurotoxins

(71) Itron, Inc.  
(21) 2024202460 (22) 16.04.2024  
(54) Downlink event allocation in a network

(71) Itron, Inc.  
(21) 2024202590 (22) 19.04.2024  
(54) Restriction of utility services without full service disconnect

(71) Itron, Inc.  
(21) 2024202611 (22) 22.04.2024  
(54) Detection of unintended consumption of a utility commodity based on metrology data

(71) J&K&Co Pty Ltd  
(21) 2024202634 (22) 23.04.2024  
(54) BOAT ANCHOR

(71) Jaka Packaging Pty Ltd  
(21) 2024202422 (22) 12.04.2024  
(54) Re-usable beverage cups, food containers and lids and method, device and server for tracking possession thereof

(71) Janssen Biotech, Inc.; Stichting VUmc  
(21) 2024202300 (22) 10.04.2024  
(54) Methods of treating cancers and enhancing efficacy of T cell redirecting therapeutics

(71) Janssen Pharmaceutica NV  
(21) 2024202306 (22) 10.04.2024

Complete Applications Filed - Name Index cont'd

(54) Dosing regimens associated with extended release paliperidone injectable formulations

(71) Janssen Pharmaceutica NV  
(21) 2024202346 (22) 11.04.2024  
(54) Combination therapy for prostate cancer

(71) Jettset Pty Ltd  
(21) 2024202485 (22) 16.04.2024  
(54) A SYSTEM FOR RECORDING AND SHARING THE STATUS OF USERS

(71) Jinko Solar (Haining) Co., Ltd.  
(21) 2024202451 (22) 15.04.2024  
(54) SOLAR CELL AND PHOTOVOLTAIC MODULE

(71) Joseph Vögele AG  
(21) 2024202493 (22) 16.04.2024  
(54) Screed assembly with functional coupling between a height adjustment device for a screed plate carrier and a tilting device for a secondary screed plate attached to the screed plate carrier

(71) JUNGWOO METAL IND. CO., LTD.  
(21) 2024202652 (22) 23.04.2024  
(54) FITTING APPARATUS FOR CONNECTING PIPES

(71) Juno Therapeutics, Inc.  
(21) 2024202424 (22) 12.04.2024  
(54) Methods for isolating, culturing, and genetically engineering immune cell populations for adoptive therapy

(71) JUUL Labs, Inc.  
(21) 2024202625 (22) 22.04.2024  
(54) Mass output controlled vaporizer

(71) Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation  
(21) 2024202441 (22) 15.04.2024  
(54) Operating system multiplexing device

**Kia Corporation see Hyundai Motor Company**  
(21) 2024202382

(71) Kinarus AG  
(21) 2024202380 (22) 11.04.2024  
(54) Methods of preventing or treating ophthalmic diseases

(71) Koninklijke Philips N.V.  
(21) 2024202581 (22) 19.04.2024

(54) Bitstream representing audio in an environment

(71) Koninklijke Philips N.V.  
(21) 2024202582 (22) 19.04.2024  
(54) Bitstream representing audio in an environment

(71) Koninklijke Philips N.V.  
(21) 2024202583 (22) 19.04.2024  
(54) Bitstream representing audio in an environment

(71) KUBOTA CORPORATION  
(21) 2024202543 (22) 18.04.2024  
(54) Electric motor power train and utility vehicle

(71) kumar, r.  
(21) 2024202494 (22) 16.04.2024  
(54) Dual Quantum Encryption

(71) KWS SAAT SE & Co. KGaA  
(21) 2024202614 (22) 22.04.2024  
(54) Methods for improving genome engineering and regeneration in plant

(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
(21) 2024202458 (22) 16.04.2024  
(54) PLANT AND PROCESS FOR PRODUCTION OF PURIFIED METHANE

(71) Laboratorios LETI S.L. Unipersonal  
(21) 2024202327 (22) 10.04.2024  
(54) Veterinary product

(71) LG Electronics Inc.  
(21) 2024202291 (22) 10.04.2024  
(54) TRANSFORM-BASED IMAGE CODING METHOD, AND DEVICE THEREFOR

(71) LG Electronics Inc.  
(21) 2024202347 (22) 11.04.2024  
(54) Dishwasher

(71) LG Electronics Inc.  
(21) 2024202365 (22) 11.04.2024  
(54) IMAGE ENCODING/DECODING METHOD AND DEVICE BASED ON HYBRID NAL UNIT TYPE, AND RECORDING MEDIUM FOR STORING BITSTREAM

(71) LG Electronics Inc.  
(21) 2024202378 (22) 11.04.2024  
(54) Dishwasher

(71) LG Electronics Inc.  
(21) 2024202392 (22) 12.04.2024  
(54) IMAGE OR VIDEO CODING USING DEBLOCKING FILTERING

(71) LG Electronics Inc.  
(21) 2024202403 (22) 12.04.2024  
(54) IMAGE/VIDEO ENCODING/DECODING METHOD AND APPARATUS USING SAME

(71) LG Electronics Inc.  
(21) 2024202503 (22) 17.04.2024  
(54) Dishwasher

(71) LG Electronics Inc.  
(21) 2024202551 (22) 18.04.2024  
(54) ELECTRONIC DEVICE WITH ANTENNA MODULES

(71) Liebherr-MCCTec Rostock GmbH  
(21) 2024202553 (22) 18.04.2024  
(54) Crane

(71) Linda Leask Innovations Pty Ltd  
(21) 2024202547 (22) 18.04.2024  
(54) Quilt Cover Securing Device

(71) LNW Gaming, Inc.  
(21) 2024202613 (22) 22.04.2024  
(54) Dynamically generating gaming content via prompt

(71) Loxo Oncology, Inc.  
(21) 2024202587 (22) 19.04.2024  
(54) PROCESSES AND INTERMEDIATES FOR THE PREPARATION OF (S)-5-AMINO-3-(4-((5-FLUORO-2-METHOXYBENZAMIDO)METHYL)PHENYL)-1-(1,1,1-TRIFLUOROPROPANE-2-YL)-1H-PYRAZOLE-4-CARBOXAMIDE

(71) M&T Biotech IP Pty Ltd  
(21) 2024202425 (22) 12.04.2024  
(54) ANIMAL SERUM IDENTIFICATION METHOD

(71) Machan Investments LLC  
(21) 2024202629 (22) 22.04.2024  
(54) AUTOMATIC FLUID DISPENSER

(71) Maplebear Inc. (dba Instacart)  
(21) 2024202574 (22) 18.04.2024  
(54) Geofencing to reduce wait times for order pickups

Complete Applications Filed - Name Index cont'd

**Massey Ventures Limited see AFT Pharmaceuticals Limited**  
**(21)** 2024202561

**MATARISE, S. see TAVAZIVA, B.**  
**(21)** 2024202588

**(71)** Matthew Plumbridge  
**(21)** 2024202407 **(22)** 12.04.2024  
**(54)** Integrated travel platform

**(71)** Maytronics Ltd.  
**(21)** 2024202296 **(22)** 10.04.2024  
**(54)** DETECTING STALLED STATE OF DYNAMIC POOL EQUIPMENT

**(71)** Medshine Discovery Inc.  
**(21)** 2024202645 **(22)** 23.04.2024  
**(54)** DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF

**(71)** Medshine Discovery Inc.  
**(21)** 2024202646 **(22)** 23.04.2024  
**(54)** DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF

**(71)** Memorial Sloan-Kettering Cancer Center  
**(21)** 2024202463 **(22)** 16.04.2024  
**(54)** Targeting chromatin regulators inhibits leukemogenic gene expression in NPM1 mutant leukemia

**(71)** Menzies, G.  
**(21)** 2024202304 **(22)** 10.04.2024  
**(54)** METAL PALLET ASSEMBLY

**(71)** Mestek Machinery, Inc.  
**(21)** 2024202657 **(22)** 24.04.2024  
**(54)** Protection System for Laser Cutting Machine

**(71)** Metix (Proprietary) Limited; SMS Group GmbH  
**(21)** 2024202279 **(22)** 10.04.2024  
**(54)** METALLURGICAL FURNACE WITH CARBON INJECTING LANCE

**(71)** MicroPort Orthopedics Holdings Inc.  
**(21)** 2024202662 **(22)** 24.04.2024  
**(54)** Orthopedic instrument connection mechanisms and related assemblies and systems

**(71)** MITSUBISHI KAKOKI KAISHA, LTD.  
**(21)** 2024202435 **(22)** 15.04.2024  
**(54)** FILTRATION DEVICE, AND FILTRATION SYSTEM

**(71)** MJNN LLC  
**(21)** 2024202370 **(22)** 11.04.2024  
**(54)** Vertical grow tower conveyance system for controlled environment agriculture

**(71)** Mobidiag Ltd  
**(21)** 2024202374 **(22)** 11.04.2024  
**(54)** Method for detecting the presence of a hypervirulent Clostridium difficile strain

**(71)** Monsanto Technology LLC  
**(21)** 2024202648 **(22)** 23.04.2024  
**(54)** Plant regulatory elements and uses therefor

**(71)** MyoKardia, Inc.  
**(21)** 2024202464 **(22)** 16.04.2024  
**(54)** Pyrimidinedione compounds against cardiac conditions

**(71)** nasseri pourtoussi, k.  
**(21)** 2024202354 **(22)** 11.04.2024  
**(54)** BarraBuster 4500 , plate aluminum boat custom built to survey. 4 E 4.5m long model.

**(71)** Nautilus Subsidiary, Inc.  
**(21)** 2024202653 **(22)** 23.04.2024  
**(54)** Decoding approaches for protein identification

**(71)** NAVICO, INC.  
**(21)** 2024202589 **(22)** 19.04.2024  
**(54)** BEAMFORMING SONAR SYSTEMS FOR 360-DEGREE LIVE SONAR, AND ASSOCIATED METHODS

**(71)** NEOGAP Therapeutics AB  
**(21)** 2024202635 **(22)** 23.04.2024  
**(54)** Multiple sclerosis associated autoantigens, and use thereof in therapy and diagnosis

**(71)** New Medtek Devices Pty Ltd  
**(21)** 2024202577 **(22)** 19.04.2024  
**(54)** Method and apparatus for rectal anaesthesia

**(71)** NICO Corporation  
**(21)** 2024202534 **(22)** 17.04.2024  
**(54)** Illumination sleeve

**(71)** Nicoventures Trading Limited  
**(21)** 2024202316 **(22)** 10.04.2024  
**(54)** Apparatus for applying pulses and pulse edges to a resonant circuit

**(71)** Novartis AG; University Court of the University of Glasgow  
**(21)** 2024202601 **(22)** 19.04.2024

**(54)** Method of treating tendinopathy using interleukin-17 (IL-17) antagonists

**(71)** Novelis Inc.  
**(21)** 2024202433 **(22)** 15.04.2024  
**(54)** Aluminum flat rolled products with high recycled content for light gauge packaging solutions and related methods

**(71)** Novozymes Bioag A/S  
**(21)** 2024202498 **(22)** 17.04.2024  
**(54)** Aqueous compositions comprising solubilized lipo-chitooligosaccharides

**(71)** Nuculus AS  
**(21)** 2024202636 **(22)** 23.04.2024  
**(54)** SAFETY ELECTRICAL OUTLET

**(71)** NuVasive Specialized Orthopedics, Inc.  
**(21)** 2024202632 **(22)** 23.04.2024  
**(54)** FLAT PLATE MECHANISMS FOR BONE LENGTHENING

**(71)** NZP1027 Ltd  
**(21)** 2024202408 **(22)** 12.04.2024  
**(54)** Transportation Apparatus

**(71)** OCCIPO Ltd.  
**(21)** 2024202386 **(22)** 11.04.2024  
**(54)** Cranial orthosis and method therefor

**(71)** Oticon Medical A/S  
**(21)** 2024202314 **(22)** 10.04.2024  
**(54)** Bone Anchored Hearing Aid Device Unit

**(71)** Oticon Medical A/S  
**(21)** 2024202385 **(22)** 11.04.2024  
**(54)** Bone Anchored Hearing Aid Device Unit

**(71)** Ovid Therapeutics, Inc.  
**(21)** 2024202604 **(22)** 22.04.2024  
**(54)** Methods of increasing tonic inhibition and treating secondary insomnia

**(71)** PACCAR Inc  
**(21)** 2024202504 **(22)** 17.04.2024  
**(54)** ARTICULATED WHEEL FAIRING FOR THE STEER AXLE

**(71)** PARK Ltd  
**(21)** 2024202413 **(22)** 12.04.2024  
**(54)** CONSTRUCTION SYSTEM AND METHOD AND CONNECTION SYSTEM THEREFOR

**(71)** Pfizer Inc.  
**(21)** 2024202391 **(22)** 11.04.2024

Complete Applications Filed - Name Index cont'd

(54) SYSTEMS AND METHODS FOR PERFORMING BIOLOGICAL ASSAYS

(71) Pfizer Inc.  
(21) 2024202639 (22) 23.04.2024

(54) DEVICES AND METHODS FOR BIOLOGICAL ASSAY SAMPLE PREPARATION AND DELIVERY

(71) Pierson Capital Environmental (Beijing) Limited

(21) 2024202331 (22) 10.04.2024

(54) Efficient Methods And Compositions For Recovery Of Products From Organic Acid Pretreatment Of Plant Materials

(71) PITT, A.

(21) 2024202420 (22) 12.04.2024

(54) METHOD, DEVICE AND SYSTEM FOR ORGANIZING MESSAGES BY TOPICS

(71) PLA Beauty, Inc.

(21) 2024202638 (22) 23.04.2024

(54) Artificial eyelash fan

(71) PLUG POWER INC.

(21) 2024202502 (22) 17.04.2024

(54) Electrical connector systems and methods for connecting to a fuel cell stack

(71) Posselt, L.

(21) 2024202491 (22) 16.04.2024

(54) Lindos Quantum Universal Framework

(71) PRG S&Tech Inc.

(21) 2024202310 (22) 10.04.2024

(54) Use of novel compound, for preventing, improving or treating amyotrophic lateral sclerosis

(71) Pride Mobility Products Corporation

(21) 2024202461 (22) 16.04.2024

(54) Seat positioning system for a wheelchair

(71) Promat Australia Pty Ltd

(21) 2024202377 (22) 11.04.2024

(54) Improved fire collar

(71) Protechna S.A.

(21) 2024202637 (22) 23.04.2024

(54) TAPPING ARMATURE FOR LIQUID CONTAINERS

(71) Prysman S.p.A.

(21) 2024202448 (22) 15.04.2024

(54) A cable retaining arrangement

(71) Purigen Biosystems, Inc.

(21) 2024202286 (22) 10.04.2024

(54) Systems, devices, and methods for isotachopho

(71) Qualcomm Incorporated

(21) 2024202387 (22) 11.04.2024

(54) BACKPRESSURE SIGNALING FOR WIRELESS COMMUNICATIONS

(71) Qualyst Transporter Solutions, LLC

(21) 2024202474 (22) 16.04.2024

(54) METHODS AND SYSTEMS FOR SCREENING CANDIDATE COMPOUNDS FOR THEIR POTENTIAL TO CAUSE SYSTEMIC OR HEPATIC TOXICITY

(71) Quantum-Si Incorporated

(21) 2024202571 (22) 18.04.2024

(54) Optical rejection photonic structures

(71) Recompose, PBC

(21) 2024202599 (22) 19.04.2024

(54) System and method for recomposition of the dead

(71) Regeneron Pharmaceuticals, Inc.

(21) 2024202293 (22) 10.04.2024

(54) NUCLEASE-MEDIATED REPEAT EXPANSION

(71) Regeneron Pharmaceuticals, Inc.

(21) 2024202294 (22) 10.04.2024

(54) METHODS FOR CHROMATOGRAPHY RESIN SLURRY DETERMINATION

(71) Rehabilitation Institute of Chicago

(21) 2024202389 (22) 11.04.2024

(54) Assessment and management system for rehabilitative conditions and related methods

(71) Resolution Bioscience, Inc.

(21) 2024202414 (22) 12.04.2024

(54) Methods for the detection of genomic copy changes in DNA samples

(71) Revolution Medicines, Inc.

(21) 2024202332 (22) 10.04.2024

(54) COMPOUNDS THAT PARTICIPATE IN COOPERATIVE BINDING AND USES THEREOF

(71) Rigshospitalet

(21) 2024202477 (22) 16.04.2024

(54) 68Ga- and 64Cu -NOD-AGA-E[c(RGDyK)]<sub>2</sub> for use as pet tracers in the imaging of angiogenesis in humans

(71) Rimini Street, Inc.

(21) 2024202373 (22) 11.04.2024

(54) METHOD AND SYSTEM FOR PROACTIVE CLIENT RELATIONSHIP ANALYSIS

(71) Ripple Luxembourg S.A.

(21) 2024202311 (22) 10.04.2024

(54) Resource transfer system

(71) Rise Form Pty Ltd.

(21) 2024202608 (22) 22.04.2024

(54) IMPROVEMENTS IN FORMWORK

(71) Rolapal Limited

(21) 2024202554 (22) 18.04.2024

(54) A Chair

(71) Safe Foods Corporation

(21) 2024202596 (22) 19.04.2024

(54) Online Production Of Organic Peroxide Using A Catalyst Bed

**SAILORS, D. see BUICE, M.**

(21) 2024202400

(71) Sandvik Mining and Construction Oy

(21) 2024202576 (22) 19.04.2024

(54) GRIPPER, ROCK DRILLING UNIT AND METHOD

(71) SANKEI CO., LTD.

(21) 2024202489 (22) 16.04.2024

(54) Manufacturing Method For Obtaining Novel Chlorine Oxide Composition From Degraded Hypochlorite

(71) Schlage Lock Company LLC

(21) 2024202383 (22) 11.04.2024

(54) Wireless Device Power Optimization Utilizing Artificial Intelligence and/or Machine Learning

(71) Schneider Electric USA, Inc.

(21) 2024202359 (22) 11.04.2024

(54) SUPPLEMENTAL TECHNIQUES FOR CHARACTERIZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM

(71) Seminis Vegetable Seeds, Inc.

(21) 2024202284 (22) 10.04.2024

(54) Methods and compositions for Peronospora resistance in spinach

(71) Seres Therapeutics, Inc.

(21) 2024202421 (22) 12.04.2024

(54) COMPOSITIONS AND METHODS

Complete Applications Filed - Name Index cont'd

(71) Serum Institute of India Private Limited (21) 2024202450 (22) 15.04.2024 (54) Methods for improving the adsorption of polysaccharide-protein conjugates and multivalent vaccine formulation obtained thereof	(54) Device That Treats Water With Multiple Wavelengths of Light and Sound	(71) Strata Products Worldwide, LLC (21) 2024202546 (22) 18.04.2024 (54) Gas Monitor, System and Method
(71) SHENZHEN CLEAR LIGHTING CO., LTD.; HUIZHOU CLEAR LIGHTING CO., LTD. (21) 2024202453 (22) 15.04.2024 (54) A FLEXIBLE LED STRIP WITH A NOVEL FPCB STRUCTURE	(71) Sony Corporation (21) 2024202480 (22) 16.04.2024 (54) AUDIO PROCESSING DEVICE AND METHOD, AND PROGRAM THEREFOR	(71) Streamline Products Pty Ltd (21) 2024202371 (22) 11.04.2024 (54) Method of installing a toilet cistern inside a cavity of a stud wall, cistern and toilet system
(71) SHENZHEN CLEAR LIGHTING CO., LTD.; HUIZHOU CLEAR LIGHTING CO., LTD. (21) 2024202454 (22) 15.04.2024 (54) AN OVERMOLDED EXTRUDATE STRUCTURE AND FLEXIBLE LED LIGHT STRIP	(71) South Florida Lighting Team, LLC (21) 2024202519 (22) 17.04.2024 (54) Artificial tree assembly	(71) Stryker Corporation (21) 2024202436 (22) 15.04.2024 (54) Sterilization enclosure for surgical instruments
(71) Shenzhen Xunbao Juneng Technology Co., Ltd. (21) 2024202437 (22) 15.04.2024 (54) FULLY LAMINATED OUTDOOR ADVERTISING MACHINE	(71) Southwest Research Institute (21) 2024202530 (22) 17.04.2024 (54) Parallelogram Articulated Lattice Mast for Passive (Self) Deployment	(71) Suqian Reliance Import and Export Co. Ltd (21) 2024202431 (22) 13.04.2024 (54) GLASS EVACUATED TUBE SOLAR WATER HEATER CAPABLE OF PRODUCING DISTILLED WATER
(71) Skechers U.S.A., Inc. II (21) 2024202505 (22) 17.04.2024 (54) Footwear counter for easier entry and removal	(71) Spin Master, Inc. (21) 2024202650 (22) 23.04.2024 (54) INFANT FLOAT	(71) Survitec Group Limited (21) 2024202591 (22) 19.04.2024 (54) Survival systems
(71) Skechers U.S.A., Inc. II (21) 2024202506 (22) 17.04.2024 (54) Footwear counter for easier entry and removal	(71) Spraying Systems Co. (21) 2024202606 (22) 22.04.2024 (54) Apparatus and method for spray drying	(71) Takeda Pharmaceutical Company Limited (21) 2024202619 (22) 22.04.2024 (54) Plasma kallikrein inhibitors and uses thereof for treating hereditary angioedema attack
(71) Skechers U.S.A., Inc. II (21) 2024202508 (22) 17.04.2024 (54) Footwear counter for easier entry and removal	(71) Star BP, Inc. (21) 2024202340 (22) 11.04.2024 (54) Tissue interface apparatus, systems and methods	(71) Tantalum Mining Corporation of Canada Ltd. (21) 2024202558 (22) 18.04.2024 (54) METHODS FOR POLLUCITE FLOTATION, PLAGIOCLASE FLOTATION, AND QUARTZ PURIFICATION
<b>SMS Group GmbH see Metix (Proprietary) Limited</b> (21) 2024202279	(71) Stats LLC (21) 2024202313 (22) 10.04.2024 (54) Video Processing For Embedded Information Card Localization And Content Extraction	(71) TAVAZIVA, B.; MATARISE, S. (21) 2024202588 (22) 19.04.2024 (54) A METHOD AND APPARATUS FOR SECURELY TRANSPORTING MEDICATION
(71) Snap-on Incorporated (21) 2024202438 (22) 15.04.2024 (54) JOINT PRESS	(71) Sterlite Technologies Limited (21) 2024202500 (22) 17.04.2024 (54) TIGHT BUFFERED OPTICAL FIBER CABLE	(71) Technetix B.V. (21) 2024202610 (22) 22.04.2024 (54) Cable network power unit for surge protector release
(71) Solar Choice 1 Pty Ltd (21) 2024202401 (22) 12.04.2024 (54) Automatic quotes for solar power installations	(71) Stewart, T. (21) 2024202676 (22) 24.04.2024 (54) Mobile dispersing bin gravity fed	(71) Tencent America LLC (21) 2024202481 (22) 16.04.2024 (54) METHOD AND APPARATUS FOR VIDEO CODING
(71) SOLETLUNA HOLDINGS, INC. (21) 2024202602 (22) 19.04.2024	<b>Stichting VUmc see Janssen Biotech, Inc.</b> (21) 2024202300	(71) Tencent America LLC (21) 2024202672 (22) 24.04.2024 (54) METHOD AND APPARATUS FOR VIDEO CODING
	(71) Stimlabs LLC (21) 2024202501 (22) 17.04.2024 (54) Compositions derived from placenta and methods of producing the same	

Complete Applications Filed - Name Index cont'd

(71) Terra Quantum AG  
(21) 2024202592 (22) 19.04.2024  
(54) METHOD FOR DETERMINING A CRYPTOGRAPHIC KEY, COMPUTER PROGRAM, AND DATA PROCESSING SYSTEM

(71) The Board of Trustees of the Leland Stanford Junior University  
(21) 2024202622 (22) 22.04.2024  
(54) Synthekine compositions and methods of use

(71) The Boeing Company  
(21) 2024202303 (22) 10.04.2024  
(54) Vision-based vehicle guidance

(71) The Boeing Company; Commonwealth Scientific and Industrial Research Organisation  
(21) 2024202440 (22) 15.04.2024  
(54) Adhesion promoter for composites and methods thereof

(71) The Boeing Company  
(21) 2024202445 (22) 15.04.2024  
(54) Fabricating methods and apparatuses for a multilayered, nanoparticle-coated fiber material

(71) The Council of the Queensland Institute of Medical Research  
(21) 2024202644 (22) 23.04.2024  
(54) Immune-modulating compounds

**The Institute of Cancer Research: Royal Cancer Hospital see Cancer Research Technology Limited**  
(21) 2024202525

(71) The Regents of the University of California  
(21) 2024202412 (22) 12.04.2024  
(54) Enhancing cognition in the presence of distraction and/or interruption

**The Regents of the University of Michigan see Eastern Michigan University**  
(21) 2024202617

(71) The Toro Company  
(21) 2024202651 (22) 23.04.2024  
(54) ROTARY MOWER WITH CUTTING DECK WITH BIDIRECTIONAL CUTTING BLADES

(71) The University of Queensland  
(21) 2024202465 (22) 16.04.2024  
(54) Detection method

(71) Tiger Tool International Incorporated  
(21) 2024202656 (22) 24.04.2024  
(54) PRESS TOOL ASSEMBLIES, SYSTEMS, AND METHODS FOR INSERTING BUSHING ASSEMBLIES

(71) TNA Australia Pty Limited  
(21) 2024202471 (22) 16.04.2024  
(54) A weighing machine

**Toshiba Infrastructure Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
(21) 2024202441

(71) TPE Midstream LLC  
(21) 2024202476 (22) 16.04.2024  
(54) CONFIGURABLE FLUID COMPRESSION APPARATUS, CONTROL, AND ASSOCIATED METHODS

(71) TPE Midstream LLC  
(21) 2024202479 (22) 16.04.2024  
(54) VALVE EVACUATION APPARATUS, CONTROL, AND ASSOCIATED METHODS

(71) Tradecorp Investments Pty Ltd  
(21) 2024202478 (22) 16.04.2024  
(54) A CONTAINER

(71) Tradesman Roof Racks  
(21) 2024202419 (22) 12.04.2024  
(54) Roofrack Platform Mounting Rail (Surface Mount)

(71) Trevena, Inc.  
(21) 2024202449 (22) 15.04.2024  
(54) Compounds for modulating S1P1 activity and methods of using the same

(71) TuSimple, Inc.  
(21) 2024202532 (22) 17.04.2024  
(54) System and method for transitioning between an autonomous and manual driving mode based on detection of a driver's capacity to control a vehicle

(71) UCB Biopharma SRL  
(21) 2024202395 (22) 12.04.2024  
(54) Anti-FcRn antibodies

**UCL Business LTD see Vitaflo International Ltd**  
(21) 2024202343

(71) Underwood Companies Holdings Pty Ltd  
(21) 2024202484 (22) 16.04.2024  
(54) Improvements in or in relation to expansion joints

**University Court of the University of Glasgow see Novartis AG**  
(21) 2024202601

(71) University of Central Florida Research Foundation, Inc.  
(21) 2024202350 (22) 11.04.2024  
(54) Methods and compositions related to NK cell and anti-PDL1 cancer therapies

(71) UPSIDE FOODS, INC.  
(21) 2024202654 (22) 23.04.2024  
(54) FILTER CAKE-BASED SYSTEMS AND METHODS FOR THE CULTIVATION OF CELLS AND CELL BIOMASS

(71) Valent BioSciences LLC  
(21) 2024202418 (22) 12.04.2024  
(54) Methods of improving stress tolerance, growth and yield in plants

(71) VelocityEHS Holdings, Inc.  
(21) 2024202394 (22) 12.04.2024  
(54) METHOD AND SYSTEM FOR INDUSTRIAL ERGONOMICS RISK ROOT-CAUSE ANALYSIS AND MANAGEMENT USING ARTIFICIAL INTELLIGENCE ORIENTED NATURAL LANGUAGE PROCESSING TECHNIQUES

(71) Veru Inc.  
(21) 2024202361 (22) 11.04.2024  
(54) METHODS OF TREATING CORONAVIRUS

(71) Vitaflo International Ltd; UCL Business LTD  
(21) 2024202343 (22) 11.04.2024  
(54) Combination comprising decanoic acid for the treatment of epilepsy

(71) VITALE, S.A.  
(21) 2024202488 (22) 16.04.2024  
(54) Non-invasive sampling

(71) Volvo Autonomous Solutions AB  
(21) 2024202666 (22) 24.04.2024  
(54) A traffic planning method for a vehicle fleet

(71) VOLVO AUTONOMOUS SOLUTIONS AB  
(21) 2024202280 (22) 10.04.2024  
(54) Preventive deadlock classifier

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(71) VOLVO AUTONOMOUS SOLUTIONS AB  
 (21) 2024202470 (22) 16.04.2024  
 (54) Efficient trajectory planning for a fleet of vehicles

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(71) Vorwerk & Co. Interholding GmbH  
 (21) 2024202360 (22) 11.04.2024  
 (54) System with thermometer and container for charging the rechargeable battery of the thermometer, and use

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(71) WATTS REGULATOR CO.  
 (21) 2024202295 (22) 10.04.2024  
 (54) FLUID DETECTION SYSTEMS AND METHODS USING THE SAME

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(71) Wave Life Sciences Ltd.  
 (21) 2024202466 (22) 16.04.2024  
 (54) Compositions and methods for phosphoramidite and oligonucleotide synthesis

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(71) WELLD0C, INC.  
 (21) 2024202376 (22) 11.04.2024  
 (54) DATABASE MANAGEMENT AND GRAPHICAL USER INTERFACES FOR MEASUREMENTS COLLECTED BY ANALYZING BLOOD

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(71) Whirlpool Corporation  
 (21) 2024202603 (22) 20.04.2024  
 (54) Multi#Position Blender

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(71) Wilcox Industries Corp.  
 (21) 2024202627 (22) 22.04.2024  
 (54) Battery Adapter And Battery System For Helmet Mount Assembly

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(71) Wilcox Industries Corp.  
 (21) 2024202628 (22) 22.04.2024  
 (54) Modular Side Shroud Assembly And Helmet System Employing Same

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(71) Wix.com Ltd.  
 (21) 2024202483 (22) 16.04.2024  
 (54) System and method for capability packages offering based on analysis of edited websites and their us

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(71) Wix.com Ltd.  
 (21) 2024202542 (22) 18.04.2024  
 (54) A system and method for dialog customization

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(71) Wix.com Ltd.  
 (21) 2024202545 (22) 18.04.2024

(54) System and method for the creation and use of visually-diverse high-quality dynamic layouts

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WOOD, J. see BUICE, M.  
 (21) 2024202400

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WOODY, J. see BUICE, M.  
 (21) 2024202400

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(71) XCALIBER SCIENCES, INC.  
 (21) 2024202620 (22) 22.04.2024  
 (54) PIPETTE TIP SYSTEM

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(71) Yenchie Air Conditioning Solutions  
 (21) 2024202467 (22) 16.04.2024  
 (54) HVAC&R Mould Blaster Machine

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(71) ZAZZLE INC.  
 (21) 2024202330 (22) 10.04.2024  
 (54) GLOBAL ILLUMINATION AND PRINTED LAYER LIGHT TRANSPORT MODELS FOR CUSTOMIZING PHYSICAL PRODUCTS DESIGNED DIGITALLY

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(71) Zealand Pharma A/S  
 (21) 2024202486 (22) 16.04.2024  
 (54) Dosage regimes for the administration of glucagon-like-peptide-2 (GLP-2) analogues

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(71) Zensun (Shanghai) Science & Technology, Co., Ltd.  
 (21) 2024202678 (22) 24.04.2024  
 (54) Use of vitamin composition in preparing drug for preventing, treating, or delaying Alzheimer's disease

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(71) Zhejiang Jinko Solar Co., Ltd.  
 (21) 2024202452 (22) 15.04.2024  
 (54) SOLAR CELL AND PHOTOVOLTAIC MODULE

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(71) Zhejiang Jinko Solar Co., Ltd.  
 (21) 2024202569 (22) 18.04.2024  
 (54) SOLAR CELL, METHOD FOR MANUFACTURING SOLAR CELL, AND PHOTOVOLTAIC MODULE

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(71) Zhejiang Jinko Solar Co., Ltd.  
 (21) 2024202626 (22) 22.04.2024  
 (54) SOLAR CELL AND PHOTOVOLTAIC MODULE

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(71) Zoetis Services LLC  
 (21) 2024202612 (22) 22.04.2024  
 (54) Method for reducing pathogens in poultry hatchery operations

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(71) Zymeworks BC Inc.  
 (21) 2024202649 (22) 23.04.2024  
 (54) Modified antigen binding polypeptide constructs and uses thereof

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(71) ZZ & CS Holdings Pty Ltd  
 (21) 2024202446 (22) 15.04.2024  
 (54) FRAMING ARRANGEMENT

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<b>2024201987</b>	IHI Corporation	<b>2024202363</b>	HD3 Limited
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<b>2024202280</b>	VOLVO AUTONOMOUS SOLUTIONS AB	<b>2024202365</b>	LG Electronics Inc.
<b>2024202282</b>	HOWMEDICA OSTEONICS CORP.	<b>2024202366</b>	Industrie Borla S.p.A
<b>2024202284</b>	Seminis Vegetable Seeds, Inc.	<b>2024202367</b>	ConforMIS, Inc.
<b>2024202285</b>	Disney Enterprises, Inc.	<b>2024202368</b>	Aladdin Manufacturing Corporation
<b>2024202286</b>	Purigen Biosystems, Inc.	<b>2024202369</b>	Gervais, M.
<b>2024202288</b>	Disney Enterprises, Inc.	<b>2024202370</b>	MJNN LLC
<b>2024202290</b>	Acerta Pharma B.V.	<b>2024202371</b>	Streamline Products Pty Ltd
<b>2024202291</b>	LG Electronics Inc.	<b>2024202372</b>	Intuit Inc.
<b>2024202293</b>	Regeneron Pharmaceuticals, Inc.	<b>2024202373</b>	Rimini Street, Inc.
<b>2024202294</b>	Regeneron Pharmaceuticals, Inc.	<b>2024202374</b>	Mobidiag Ltd
<b>2024202295</b>	WATTS REGULATOR CO.	<b>2024202375</b>	Discoverr.AI Pty Ltd
<b>2024202296</b>	Maytronics Ltd.	<b>2024202376</b>	WELLD0C, INC.
<b>2024202298</b>	ARCHER AVIATION, INC.	<b>2024202377</b>	Promat Australia Pty Ltd
<b>2024202299</b>	Boehringer Ingelheim International GmbH	<b>2024202378</b>	LG Electronics Inc.
<b>2024202300</b>	Janssen Biotech, Inc.; Stichting VUmc	<b>2024202379</b>	CATERPILLAR INC.
<b>2024202301</b>	Dolby International AB	<b>2024202380</b>	Kinarus AG
<b>2024202302</b>	Ipsen Biopharm Limited	<b>2024202381</b>	Intuit Inc.
<b>2024202303</b>	The Boeing Company	<b>2024202382</b>	Hyundai Motor Company; Kia Corporation; Daewon
<b>2024202304</b>	Menzies, G.		Precision Industrial Co., Ltd
<b>2024202305</b>	Canva Pty Ltd	<b>2024202383</b>	Schlage Lock Company LLC
<b>2024202306</b>	Janssen Pharmaceutica NV	<b>2024202384</b>	Abbott Diabetes Care Inc.
<b>2024202307</b>	CFPH, LLC	<b>2024202385</b>	Oticon Medical A/S
<b>2024202309</b>	Fisher & Paykel Healthcare Limited	<b>2024202386</b>	OCCIPO Ltd.
<b>2024202310</b>	PRG S&Tech Inc.	<b>2024202387</b>	Qualcomm Incorporated
<b>2024202311</b>	Ripple Luxembourg S.A.	<b>2024202388</b>	Congreve, A.
<b>2024202312</b>	Canva Pty Ltd	<b>2024202389</b>	Rehabilitation Institute of Chicago
<b>2024202313</b>	Stats LLC	<b>2024202390</b>	Ford, A.
<b>2024202314</b>	Oticon Medical A/S	<b>2024202391</b>	Pfizer Inc.
<b>2024202315</b>	Boston Scientific Scimed, Inc.	<b>2024202392</b>	LG Electronics Inc.
<b>2024202316</b>	Nicoventures Trading Limited	<b>2024202393</b>	BARGENT THERAPEUTICS PTY LIMITED
<b>2024202326</b>	IDEMIA France	<b>2024202394</b>	VelocityEHS Holdings, Inc.
<b>2024202327</b>	Laboratorios LETI S.L. Unipersonal	<b>2024202395</b>	UCB Biopharma SRL
<b>2024202329</b>	Hologic, Inc.	<b>2024202396</b>	Chr. Hansen A/S
<b>2024202330</b>	ZAZZLE INC.	<b>2024202397</b>	Aristocrat Technologies Australia Pty Limited
<b>2024202331</b>	Pierson Capital Environmental (Beijing) Limited	<b>2024202398</b>	Epizyme, Inc.
<b>2024202332</b>	Revolution Medicines, Inc.	<b>2024202399</b>	Canon Kabushiki Kaisha
<b>2024202333</b>	Chongqing Changan Automobile Co., Ltd.	<b>2024202400</b>	BUICE, M.; WOODY, J.; GREESON, J.; WOOD, J.;
<b>2024202334</b>	IGT		SAILORS, D.
<b>2024202335</b>	Covenant Eyes, Inc.	<b>2024202401</b>	Solar Choice 1 Pty Ltd
<b>2024202336</b>	Compugen Ltd.	<b>2024202402</b>	Aristocrat Technologies Australia Pty Limited
<b>2024202337</b>	ADAMA Agan Ltd.	<b>2024202403</b>	LG Electronics Inc.
<b>2024202338</b>	Alpha Tau Medical Ltd.	<b>2024202404</b>	Aussie Wine Group Holdings Pty Ltd
<b>2024202339</b>	Alpha Tau Medical Ltd.	<b>2024202405</b>	Hivestack Inc.
<b>2024202340</b>	Star BP, Inc.	<b>2024202406</b>	Canon Kabushiki Kaisha
<b>2024202341</b>	Global Specimen Solutions, Inc.	<b>2024202407</b>	Matthew Plumbbridge
<b>2024202342</b>	FISHER & PAYKEL HEALTHCARE LIMITED	<b>2024202408</b>	NZP1027 Ltd
<b>2024202343</b>	Vitaflo International Ltd; UCL Business LTD	<b>2024202409</b>	Aristocrat Technologies Australia Pty Limited
<b>2024202344</b>	Apple Inc.	<b>2024202410</b>	Aqseptence Group, Inc
<b>2024202345</b>	Genisphere LLC	<b>2024202411</b>	Intuit Inc.
<b>2024202346</b>	Janssen Pharmaceutica NV	<b>2024202412</b>	The Regents of the University of California
<b>2024202347</b>	LG Electronics Inc.	<b>2024202413</b>	PARK Ltd
<b>2024202348</b>	Illinois Tool Works Inc.	<b>2024202414</b>	Resolution Bioscience, Inc.
<b>2024202349</b>	Hitachi, Ltd.	<b>2024202415</b>	Geomni, Inc.
<b>2024202350</b>	University of Central Florida Research Foundation, Inc.	<b>2024202416</b>	Canon Kabushiki Kaisha
<b>2024202351</b>	Diehl Metering S.A.S.	<b>2024202417</b>	BOE Technology Group Co., Ltd.
<b>2024202352</b>	Dolby International AB	<b>2024202418</b>	Valent BioSciences LLC
<b>2024202353</b>	Intratus-Nevada, Inc.	<b>2024202419</b>	Tradesman Roof Racks
<b>2024202354</b>	nasser pourtoussi, k.	<b>2024202420</b>	PITT, A.
<b>2024202355</b>	Boston Scientific Scimed, Inc.	<b>2024202421</b>	Seres Therapeutics, Inc.
<b>2024202356</b>	Andonopoulos, P.	<b>2024202422</b>	Jaka Packaging Pty Ltd
<b>2024202357</b>	Axon Enterprise, Inc.	<b>2024202423</b>	Biogen MA Inc.
<b>2024202358</b>	Axon Enterprise, Inc.	<b>2024202424</b>	Juno Therapeutics, Inc.
<b>2024202359</b>	Schneider Electric USA, Inc.	<b>2024202425</b>	M&T Biotech IP Pty Ltd
<b>2024202360</b>	Vorwerk & Co. Interholding GmbH	<b>2024202426</b>	Aurora Beauty Parlour
<b>2024202361</b>	Veru Inc.	<b>2024202428</b>	E Ink Corporation
<b>2024202362</b>	ANDURIL INDUSTRIES, INC.	<b>2024202429</b>	Akroswiss AG



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2024202430	Akroswiss AG	2024202500	Sterlite Technologies Limited
2024202431	Suqian Reliance Import and Export Co. Ltd	2024202501	Stimlabs LLC
2024202432	Howell, R.	2024202502	PLUG POWER INC.
2024202433	Novelis Inc.	2024202503	LG Electronics Inc.
2024202434	ALSTOM Holdings	2024202504	PACCAR Inc
2024202435	MITSUBISHI KAKOKI KAISHA, LTD.	2024202505	Skechers U.S.A., Inc. II
2024202436	Stryker Corporation	2024202506	Skechers U.S.A., Inc. II
2024202437	Shenzhen Xunbao Juneng Technology Co., Ltd.	2024202507	iCahn School of Medicine at Mount Sinai; Allergenics LLC
2024202438	Snap-on Incorporated		
2024202440	The Boeing Company; Commonwealth Scientific and Industrial Research Organisation	2024202508	Skechers U.S.A., Inc. II
2024202441	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation	2024202509	GE Video Compression, LLC
		2024202514	Continental Global Material Handling LLC
2024202442	Fisher & Paykel Healthcare Limited	2024202516	Chase Therapeutics Corporation
2024202443	Blue River Technology Inc.	2024202517	Aristocrat Technologies, Inc.
2024202444	AOBiome LLC	2024202519	South Florida Lighting Team, LLC
2024202445	The Boeing Company	2024202520	Adobe Inc.
2024202446	ZZ & CS Holdings Pty Ltd	2024202521	Angel Group Co., Ltd.
2024202448	Prysmian S.p.A.	2024202522	Aurigene Oncology Limited
2024202449	Trevena, Inc.	2024202523	E3D A.C.A.L
2024202450	Serum Institute of India Private Limited	2024202524	Immuneering Corporation
2024202451	Jinko Solar (Haining) Co., Ltd.	2024202525	Cancer Research Technology Limited; The Institute of Cancer Research: Royal Cancer Hospital
2024202452	Zhejiang Jinko Solar Co., Ltd.	2024202526	EW Nutrition GmbH
2024202453	SHENZHEN CLEAR LIGHTING CO., LTD.; HUIZHOU CLEAR LIGHTING CO., LTD.	2024202527	CTTQ-Akeso (ShangHai) Biomed. Tech. Co., Ltd.
2024202454	SHENZHEN CLEAR LIGHTING CO., LTD.; HUIZHOU CLEAR LIGHTING CO., LTD.	2024202528	AustinPx, LLC
		2024202529	Deltatek Oil Tools Limited
2024202455	Aristocrat Technologies Australia Pty Ltd	2024202530	Southwest Research Institute
2024202456	Differential Dynamics Corporation; Han, K.S.	2024202531	Intuit Inc.
2024202457	INOSYSTEMS	2024202532	TuSimple, Inc.
2024202458	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	2024202533	eBay Inc.
		2024202534	NICO Corporation
2024202459	Foshan Baitai Auto Accessories Co., Ltd	2024202535	Chugai Seiyaku Kabushiki Kaisha; Agency for Science, Technology and Research
2024202460	Itron, Inc.		
2024202461	Pride Mobility Products Corporation	2024202536	Dolby Laboratories Licensing Corporation
2024202462	ALGOFORCE PTY LTD	2024202537	Google LLC
2024202463	Memorial Sloan-Kettering Cancer Center	2024202538	BTL Medical Development a.s.
2024202464	MyoKardia, Inc.	2024202539	ANJI COZY HOME CO.,LTD.
2024202465	The University of Queensland	2024202540	Britax Römer Kindersicherheit GmbH
2024202466	Wave Life Sciences Ltd.	2024202541	IGT
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2024202468	AbbVie S.á.r.l.; Galapagos NV	2024202543	KUBOTA CORPORATION
2024202469	GEN-Y CREATIONS, LLC	2024202544	Boston Scientific Scimed Inc.
2024202470	VOLVO AUTONOMOUS SOLUTIONS AB	2024202545	Wix.com Ltd.
2024202471	TNA Australia Pty Limited	2024202546	Strata Products Worldwide, LLC
2024202472	Aleksovski, J.	2024202547	Linda Leask Innovations Pty Ltd
2024202473	CHENGDU ALANGTECH CO., LTD.	2024202549	Gilead Sciences, Inc.
2024202474	Qualyst Transporter Solutions, LLC	2024202550	IGT
2024202476	TPE Midstream LLC	2024202551	LG Electronics Inc.
2024202477	Rigshospitalet	2024202552	Innate Pharma
2024202478	Tradecorp Investments Pty Ltd	2024202553	Liebherr-MCCTec Rostock GmbH
2024202479	TPE Midstream LLC	2024202554	Rolapal Limited
2024202480	Sony Corporation	2024202555	Control Bionics Limited
2024202481	Tencent America LLC	2024202556	Access Vascular, Inc
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2024202483	Wix.com Ltd.	2024202558	Tantalum Mining Corporation of Canada Ltd.
2024202484	Underwood Companies Holdings Pty Ltd	2024202559	Ethicon, Inc.
2024202485	Jettsen Pty Ltd	2024202560	Ethicon, Inc.
2024202486	Zealand Pharma A/S	2024202561	AFT Pharmaceuticals Limited; Massey Ventures Limited; Gillies McIndoe Research Institute
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2024202488	VITALE, S.A.	2024202562	Canva Pty Ltd.
2024202489	SANKEI CO., LTD.	2024202563	Canva Pty Ltd
2024202490	Absalom, B.; Green, J.	2024202564	Horizon Global Americas Inc.
2024202491	Posselt, L.	2024202565	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
2024202492	Farrell, R.; Galli, D.; Gubbels, B.	2024202566	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
2024202493	Joseph Vögele AG	2024202567	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
2024202494	kumar, r.	2024202568	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
2024202495	Assa Abloy Limited	2024202569	Zhejiang Jinko Solar Co., Ltd.
2024202496	Biohaven Therapeutics Ltd.	2024202570	B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
2024202497	COHERE TECHNOLOGIES, INC.	2024202571	Quantum-Si Incorporated
2024202498	Novozymes Bioag A/S	2024202572	Commonwealth Scientific and Industrial Research Organisation
2024202499	HSP Hochspannungsgeräte GmbH	2024202573	Eli Lilly and Company

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2024202574	Maplebear Inc. (dba Instacart)	2024202644	The Council of the Queensland Institute of Medical Research
2024202575	Aus Mining Services Pty Ltd	2024202645	Medshine Discovery Inc.
2024202576	Sandvik Mining and Construction Oy	2024202646	Medshine Discovery Inc.
2024202577	New Medtek Devices Pty Ltd	2024202647	Aristocrat Technologies, Inc.
2024202578	Belgravia Wood Limited	2024202648	Monsanto Technology LLC
2024202579	Hodder & Taylors Limited	2024202649	Zymeworks BC Inc.
2024202581	Koninklijke Philips N.V.	2024202650	Spin Master, Inc.
2024202582	Koninklijke Philips N.V.	2024202651	The Toro Company
2024202583	Koninklijke Philips N.V.	2024202652	JUNGWOO METAL IND. CO., LTD.
2024202584	Intervet International B.V.; Corteva Agriscience LLC	2024202653	Nautilus Subsidiary, Inc.
2024202585	Grand Performance Online Pty Limited	2024202654	UPSIDE FOODS, INC.
2024202586	Global Neighbor, Inc.	2024202655	IGT
2024202587	Loxo Oncology, Inc.	2024202656	Tiger Tool International Incorporated
2024202588	TAVAZIVA, B.; MATARISE, S.	2024202657	Mestek Machinery, Inc.
2024202589	NAVICO, INC.	2024202658	FISHER & PAYKEL HEALTHCARE LIMITED
2024202590	Itron, Inc.	2024202662	MicroPort Orthopedics Holdings Inc.
2024202591	Survitec Group Limited	2024202663	Alcresta Therapeutics, Inc.
2024202592	Terra Quantum AG	2024202666	Volvo Autonomous Solutions AB
2024202593	ChemoCentryx, Inc.	2024202667	Apple Inc.
2024202594	Google LLC	2024202669	AgResearch Limited
2024202595	AIGI Environmental Inc.	2024202670	Apple Inc.
2024202596	Safe Foods Corporation	2024202671	Advanced Lithium Electrochemistry Co., Ltd.
2024202597	Beijing Roborock Technology Co., Ltd	2024202672	Tencent America LLC
2024202598	Gilead Sciences, Inc.	2024202673	ECO FIN CO., LTD.
2024202599	Recompose, PBC	2024202674	Cummins Power Generation Inc.
2024202600	Depuy Ireland Unlimited Company	2024202676	Stewart, T.
2024202601	Novartis AG; University Court of the University of Glasgow	2024202677	Checkpoint Systems, Inc.
2024202602	SOLETLUNA HOLDINGS, INC.	2024202678	Zensun (Shanghai) Science & Technology, Co., Ltd.
2024202603	Whirlpool Corporation		
2024202604	Ovid Therapeutics, Inc.		
2024202605	HOWMEDICA OSTEONICS CORP.		
2024202606	Spraying Systems Co.		
2024202607	Illumina, Inc.		
2024202608	Rise Form Pty Ltd.		
2024202609	immatics biotechnologies GmbH		
2024202610	Technetix B.V.		
2024202611	Itron, Inc.		
2024202612	Zoetis Services LLC		
2024202613	LNW Gaming, Inc.		
2024202614	KWS SAAT SE & Co. KGaA		
2024202615	EXEL Industries		
2024202616	Eli Lilly and Company		
2024202617	Eastern Michigan University; The Regents of the University of Michigan		
2024202618	BicycleTx Limited		
2024202619	Takeda Pharmaceutical Company Limited		
2024202620	XCALIBER SCIENCES, INC.		
2024202621	FEF Group Pty Ltd		
2024202622	The Board of Trustees of the Leland Stanford Junior University		
2024202623	Amgen Inc.		
2024202624	Imagine Scientific, Inc.		
2024202625	JUUL Labs, Inc.		
2024202626	Zhejiang Jinko Solar Co., Ltd.		
2024202627	Wilcox Industries Corp.		
2024202628	Wilcox Industries Corp.		
2024202629	Machan Investments LLC		
2024202630	FujiClean Co., Ltd.		
2024202631	ABUS August Bremicker Söhne KG		
2024202632	NuVasive Specialized Orthopedics, Inc.		
2024202633	Confoil Pty Ltd		
2024202634	J&K&Co Pty Ltd		
2024202635	NEOGAP Therapeutics AB		
2024202636	Nuculus AS		
2024202637	Protechna S.A.		
2024202638	PLA Beauty, Inc.		
2024202639	Pfizer Inc.		
2024202640	HEFEI TG IMMUNOPHARMA CO., LTD.		
2024202641	Spraying Systems Co.		
2024202642	Harpoon Therapeutics, Inc.		
2024202643	Fisher & Paykel Healthcare Limited		

**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)
  
- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified
  
- N Applications not Open to Public Inspection

**2000**

2000032491 ( 14 )

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**2006**

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**2007**

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**2008**

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**2009**

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<b>2012</b>			2016253626 ( 14 )	2016273877 ( 14 )	2016328886 ( 14 )
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2013204046 ( 14 )	2013237697 ( 14 )	2013248209 ( 14 )	2017101724 ( 22 )	2017200348 ( 14 )	2017200918 ( 14 )
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2013326486 ( 14 )	2013326523 ( 14 )	2013326865 ( 14 )	2017335756 ( 14 )	2017335766 ( 4C )	2017335771 ( 4C )
2013326867 ( 14 )	2013326921 ( 14 )	2013327018 ( 14 )	2017335839 ( 4C )	2017336078 ( 14 )	2017336440 ( 14 )
2013327116 ( 14 )	2013327132 ( 14 )	2013327473 ( 14 )	2017336916 ( 4C )	2017336917 ( 4C )	2017337124 ( 14 )
2013327498 ( 14 )	2013327638 ( 14 )	2013328732 ( 14 )	2017338034 ( 14 )	2017338564 ( 14 )	2017338597 ( 4C )
2013328774 ( 14 )	2013328824 ( 14 )	2013328847 ( 14 )	2017338921 ( 4C )	2017339375 ( 14 )	2017339427 ( 4C )
2013329327 ( 14 )	2013329419 ( 14 )	2013329652 ( 14 )	2017339553 ( 14 )	2017339556 ( 14 )	2017339763 ( 14 )
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2014200954 ( 14 )	2014200985 ( 14 )	2014203754 ( 14 )	2017362969 ( 5C )	2017365709 ( 5C )	2017383557 ( 5C )
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2015

2018238136 (5C)	2018241116 (4C)	2018248090 (5C)	2020262416 (1B)	2020262428 (1B)	2020262429 (1B)
2018248966 (5C)	2018258129 (5C)	2018258158 (5C)	2020262437 (1B)	2020262444 (1B)	2020262765 (1B)
2018262143 (5C)	2018262273 (5C)	2018262338 (5C)	2020262931 (1B)	2020262956 (1B)	2020263095 (1B)
2018263294 (5C)	2018268059 (5C)	2018269113 (5C)	2020263456 (1B)	2020263508 (1B)	2020263509 (1B)
2018273033 (5C)	2018273740 (5C)	2018279047 (14)	2020263513 (1B)	2020263573 (1B)	2020263599 (1B)
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2018339096 (4C)	2018340860 (4C)	2018340862 (4C)	2020265390 (1B)	2020265392 (1B)	2020265552 (1B)
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2018392834 (4C)	2018413638 (14)	2018417116 (4C)	2020333427 (5C)	2020336219 (5C)	2020336343 (5C)
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			2020353662 (5C)	2020361627 (5C)	2020362987 (5C)
			2020367942 (5C)	2020370146 (5C)	2020371345 (5C)
			2020371459 (5C)	2020380418 (5C)	2020383198 (5C)
			2020383880 (5C)	2020402019 (5C)	2020407338 (5C)
			2020407367 (5C)	2020412685 (5C)	2020418399 (5C)
			2020421711 (5C)	2020436230 (5C)	

**2019**

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2019240708 (4C)	2019240717 (4A)	2019246791 (4B)
2019252552 (5C)	2019253796 (14)	2019256929 (25D)
2019271940 (14)	2019272261 (5C)	2019348132 (14)
2019350989 (4C)	2019353578 (4C)	2019354861 (4C)
2019355045 (14)	2019355059 (4C)	2019355127 (14)
2019355177 (4C)	2019356751 (14)	2019356833 (4C)
2019357252 (14)	2019357801 (14)	2019357838 (4C)
2019357982 (4C)	2019358419 (4C)	2019359263 (14)
2019361140 (4B)	2019362654 (4C)	2019363064 (4B)
2019365306 (4B)	2019370573 (4B)	2019371770 (14)
2019373101 (4B)	2019374796 (12C)	2019377564 (4B)
2019378745 (4B)	2019407047 (12C)	2019432108 (5C)
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2019443793 (1B)	2019444773 (1B)	2019446735 (25D)
2019468354 (4C)	2019469069 (4C)	2019469380 (4C)

**2020**

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2020102573 (22E)	2020102596 (22E)	2020102603 (22E)
2020102619 (22E)	2020102624 (22E)	2020102633 (22E)
2020104307 (22E)	2020104482 (22)	2020200748 (14)
2020201093 (14)	2020201276 (14)	2020201289 (14)
2020202637 (1B)	2020202638 (1B)	2020202642 (1B)
2020202689 (1B)	2020202715 (1B)	2020202750 (1B)
2020202767 (1B)	2020202768 (1B)	2020202778 (14)
2020202879 (1B)	2020202899 (1B)	2020202905 (1B)
2020202919 (1B)	2020203714 (14)	2020213314 (1B)
2020213315 (1B)	2020220139 (4C)	2020223765 (5C)
2020233621 (14)	2020239757 (14)	2020250204 (5C)
2020250293 (4C)	2020260387 (5C)	2020260629 (1B)
2020260720 (1B)	2020260940 (1B)	2020261059 (1B)
2020261313 (1B)	2020261321 (1B)	2020261405 (1B)
2020261414 (1B)	2020261454 (1B)	2020261968 (1B)
2020262090 (1B)	2020262111 (1B)	2020262115 (1B)

**2021**

2021200862 (5C)	2021202289 (14)	2021203465 (14)
2021203655 (4C)	2021204687 (4C)	2021204733 (4C)
2021205027 (4C)	2021208238 (5C)	2021208982 (5C)
2021212145 (5C)	2021213364 (5C)	2021217353 (5C)
2021218120 (5C)	2021221933 (4C)	2021225197 (5C)
2021229241 (4D)	2021229266 (4C)	2021232672 (5C)
2021235735 (25D)	2021240437 (5C)	2021257882 (5C)
2021261836 (4C)	2021261884 (5C)	2021261899 (4C)
2021264138 (5C)	2021274239 (5C)	2021286327 (5C)
2021286392 (5C)	2021320219 (12A)	2021320420 (5C)
2021322409 (5C)		

**2022**

2022200048 (5C)	2022200094 (5C)	2022200201 (5C)
2022200264 (5C)	2022200303 (5C)	2022200307 (5C)
2022200410 (5C)	2022200415 (5C)	2022200450 (5C)
2022200458 (5C)	2022200574 (5C)	2022200577 (5C)
2022200688 (5C)	2022200700 (5C)	2022200756 (5C)
2022200961 (5C)	2022201070 (5C)	2022201215 (5C)
2022201303 (5C)	2022201313 (5C)	2022201314 (5C)
2022201315 (5C)	2022201347 (5C)	2022201374 (5C)
2022201627 (5C)	2022201733 (5C)	2022202081 (5C)
2022202089 (5C)	2022202239 (5C)	2022202327 (5C)
2022202348 (5C)	2022202354 (5C)	2022202376 (14)
2022202492 (5C)	2022202526 (5C)	2022202544 (5C)
2022202549 (5C)	2022202757 (5C)	2022202786 (5C)
2022202904 (5C)	2022203242 (5C)	2022203273 (5C)
2022203729 (5C)	2022203752 (5C)	2022204188 (5C)
2022204363 (4C)	2022204477 (4C)	2022205264 (5C)
2022209240 (5C)	2022213716 (4C)	2022215207 (4C)
2022231679 (4C)	2022246395 (4C)	2022252842 (4C)
2022262918 (4C)	2022268332 (4C)	2022287644 (4C)
2022291492 (4C)		

**2023**

2023200771 (5CN)	2023901009 (12AN)	2023901051 (12AN)
2023901060 (12AN)	2023901091 (12AN)	2023901109 (12AN)

2023901153 ( 12AN ) 2023901250 ( 12AN ) 2023901315 ( 12AN )

**2024**

2024200140 ( 12CN ) 2024200444 ( 1B ) 2024200455 ( 12C )  
2024200533 ( 1B ) 2024200770 ( 7AN ) 2024900289 ( 17AN )  
2024900957 ( 12AN ) 2024901028 ( 12AN )

**Complete Specifications Treated as Provisional Specifications, Section 37**

**2023**

2023254877 **Leonard, S.** Provisional Number: 2023904258

**2024**

2024200867 **Aquaterra Energy Limited** Provisional Number:  
2024901080

**Assignments before Grant, Section 113**

**2017**

2017358067 Commonwealth Scientific and Industrial Research Organisation The application has been assigned to **PPB Technology Pty Ltd**

**2018**

2018247578 Aley Corporation The application has been assigned to **TASEKO MINES LIMITED**

2018279206 Maston Oy The application has been assigned to **Wisespray International Oy**

2018380433 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2018446413 LM Wind Power A/S The application has been assigned to **General Electric Renovables España, S.L.**

2018447565 LM Wind Power A/S The application has been assigned to **General Electric Renovables España, S.L.**

2018452334 LM Wind Power A/S The application has been assigned to **General Electric Renovables España, S.L.**

**2019**

2019205865 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2019214524 Aker Biomarine Antarctic AS The application has been assigned to **Aker BioMarine Understory AS**

2019239016 UNIVERSITY OF CANTERBURY The application has been assigned to **STORMINATOR LIMITED**

2019251293 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019263465 OncoSec Medical Incorporated The application has been assigned to **Grand Decade Developments Limited**

**Assignments before Grant, Section 113**

2019275672 Newnham, Neil The application has been assigned to **Belco Industrial Pty Ltd**

2019280151 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2019280153 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2019284234 Ketofibe (9500-0535 Quebec Inc.) The application has been assigned to **9500-0535 Quebec Inc.**

2019297326 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2019327666 Yeomans, Allan James The application has been assigned to **YS2 Humus Pty Limited**

2019335016 AMDT Holdings, Inc. The application has been assigned to **Arthrex, Inc.**

2019376012 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019376015 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019376162 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019376673 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019377592 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019377868 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019394856 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2019459552 Shanghai Xunhe Pharmaceutical Technology Co. Ltd. The application has been assigned to **CHENGDU JINRUI FOUNDATION BIOTECH CO., LTD.**

**2020**

2020209490 Synpromics Limited The application has been assigned to **Asklepios Biopharmaceutical, Inc.**

2020231242 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2020236531 Yeomans, Allan The application has been assigned to **YS2 Humus Pty Limited**

2020239804 CLEVERLY, Douglas Robert; FALCONER, James Robert; WU, Zimei; GILL, David Anthony; DAVIES, Keryn; WIN, Su;

**Assignments before Grant, Section 113**

BATT, Laurie Robert The application has been assigned to **Argenta Innovation Limited**

2020256845 De Haas, David The application has been assigned to **Minprovisé International Pty Ltd**

2020265898 Commonwealth Scientific and Industrial Research Organisation The application has been assigned to **PPB Technology Pty Ltd**

2020294320 Masterlink Solutions Group Pty Ltd The application has been assigned to **Simpson, Ryan**

2020298287 JDM Scientific Research Organisation Private Limited; Sumisho Agro India Pvt. Ltd. The application has been assigned to **Iharabrás S.A. Industrias Químicas**

2020315596 AMDT Holdings, Inc. The application has been assigned to **Arthrex, Inc.**

2020316731 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2020332806 BLY IP Inc. The application has been assigned to **Longyear TM, Inc.**

2020338979 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2020340604 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2020341193 GK8 Ltd The application has been assigned to **Galaxy Digital Trading LLC**

2020399299 Trudell Medical International The application has been assigned to **Trudell Medical International Inc.**

2020401951 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2020407652 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2020422464 Flowserve Management Company The application has been assigned to **FLOWSERVE PTE. LTD.**

2020433244 Shangrao Xinyuan YueDong Technology Development Co. Ltd The application has been assigned to **Trina Solar Co., Ltd.**

**2021**

2021200601 Astellas Institute for Regenerative Medicine The application has been assigned to **President and Fellows of Harvard College**

2021204223 Deva, Karan; Evans, Alicia Jerram Hunter; White, Craig Karl; Zemke, Anthony Behram; Sander, Xavier Roy Wallace; Payton, Matthew Jon; Barnes, Thomas Heinrich The application has been assigned to **Fisher & Paykel Healthcare Limited**

**Assignments before Grant, Section 113**

2021230454 GK8 Ltd The application has been assigned to **Galaxy Digital Trading LLC**

2021255412 Shanghai Cellular Biopharmaceutical Group Ltd.; Wuxi Cellular Biopharmaceutical Group Ltd. The application has been assigned to **Shanghai AbelZeta Ltd.**

2021257273 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2021269849 Bernegger GmbH; Küttner Holding GmbH & Co. KG The application has been assigned to **Hatch Küttner GmbH; Bernegger GmbH**

2021269850 Bernegger GmbH; Küttner Holding GmbH & Co. KG The application has been assigned to **Hatch Küttner GmbH; Bernegger GmbH**

2021277650 Internal Machinery Solutions Ltd. The application has been assigned to **Simonds International L.L.C.**

2021279205 Amplia Therapeutics Pty Ltd The application has been assigned to **Amplia Therapeutics Limited**

2021283889 US Metals Refining Group, Inc. The application has been assigned to **HELA Novel Metals LLC**

2021290649 Essential Queensland Pty Ltd The application has been assigned to **Foresta Group Holdings Limited**

2021292567 OncoSec Medical Incorporated The application has been assigned to **Grand Decade Developments Limited**

2021314954 Siemens Energy Global GmbH & Co. KG The application has been assigned to **HSP Hochspannungsgeräte GmbH**

2021331245 Siemens Energy Global GmbH & Co. KG The application has been assigned to **HSP Hochspannungsgeräte GmbH**

2021333162 Siemens Energy Global GmbH & Co. KG The application has been assigned to **HSP Hochspannungsgeräte GmbH**

2021349185 FLOWSERVE MANAGEMENT COMPANY The application has been assigned to **FLOWSERVE PTE. LTD.**

2021381896 FRIEDE & GOLDMAN, LLC D/B/A FRIEDE & GOLDMAN, LTD. The application has been assigned to **Friede & Goldman United B.V.**

2021391542 TRACK TOOLS, LLC The application has been assigned to **Enerpac Tool Group Corp.**

**2022**

2022200867 TELEFLEX LIFE SCIENCES LIMITED The application has been assigned to **Teleflex Life Sciences II LLC**

2022202462 Yeomans, Allan The application has been assigned to **YS2 Humus Pty Limited**

**Assignments before Grant, Section 113**

2022205543 BICYCLETX LIMITED The application has been assigned to **UNITED KINGDOM RESEARCH AND INNOVATION; BICYCLETX LIMITED**

2022205795 BICYCLETX LIMITED The application has been assigned to **UNITED KINGDOM RESEARCH AND INNOVATION; BICYCLETX LIMITED**

2022206101 BICYCLETX LIMITED The application has been assigned to **UNITED KINGDOM RESEARCH AND INNOVATION; BICYCLETX LIMITED**

2022239015 LINDGREN, Gabriella; ROSENGREN, Maria; ERIKSSON, Susanne; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA The application has been assigned to **LINDGREN, Gabriella; ROSENGREN, Maria; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**

2022244467 NOVARTIS AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2022259778 Neovasc Medical Ltd. The application has been assigned to **Shockwave Medical, Inc.**

2022268885 FRIEDE & GOLDMAN, LLC D/B/A FRIEDE & GOLDMAN, LTD. The application has been assigned to **Friede & Goldman United B.V.**

2022270773 AIRM CONSULTING LTD. The application has been assigned to **Crop Sentry Ltd.**

2022271356 AIRM CONSULTING LTD. The application has been assigned to **Crop Sentry Ltd.**

2022273522 ECOFASTEN SOLAR, LLC The application has been assigned to **Enstall US, Inc.**

2022291485 Amplifica, Inc. The application has been assigned to **AMPLIFICA HOLDINGS GROUP, INC.**

2022308668 INNOPEAK TECHNOLOGY, INC. The application has been assigned to **Guangdong Oppo Mobile Telecommunications Corp., Ltd.**

2022327097 TMGCORE, INC The application has been assigned to **Modine LLC**

2022332190 W. L. GORE & ASSOCIATES, INC.; INTEGRATED SENSING SYSTEMS, INC. The application has been assigned to **UIM Pressure Implant Inc.; W. L. GORE & ASSOCIATES, INC.**

2022333140 INNOPEAK TECHNOLOGY, INC. The application has been assigned to **Guangdong Oppo Mobile Telecommunications Corp., Ltd.**

2022334740 INNOPEAK TECHNOLOGY, INC. The application has been assigned to **Guangdong Oppo Mobile Telecommunications Corp., Ltd.**

**Assignments before Grant, Section 113**

2022335424 W. L. GORE & ASSOCIATES, INC.; INTEGRATED SENSING SYSTEMS, INC. The application has been assigned to **UIM Pressure Implant Inc.; W. L. GORE & ASSOCIATES, INC.**

2022337960 SPECTRUM BRANDS, INC. The application has been assigned to **GloFish LLC**

2022349022 IMIRGE MEDICAL INC.; WANG, Hao The application has been assigned to **IMIRGE MEDICAL INC.**

2022363635 ELIAZ, Isaac The application has been assigned to **ELIAZ THERAPEUTICS, INC.**

2022369122 AMI HOLDINGS LIMITED The application has been assigned to **BUMBLE IP HOLDCO LLC**

2022369902 AMI HOLDINGS LIMITED The application has been assigned to **BUMBLE IP HOLDCO LLC**

2022370457 AMI HOLDINGS LIMITED The application has been assigned to **BUMBLE IP HOLDCO LLC**

**2023**

2023201438 Shire Human Genetic Therapies The application has been assigned to **Trudell Medical International Inc.**

2023202258 Kunming Tekang Technology Co., Ltd; Zhejiang Yunjie Technology Co., Ltd. The application has been assigned to **Yunnan Qidan Pharmaceutical Co., Ltd.; Kunming Tekang Technology Co., Ltd; Zhejiang Yunjie Technology Co., Ltd.**

2023203716 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2023203933 Novartis AG The application has been assigned to **Bausch + Lomb Ireland Limited**

2023226636 French, Jonathon The application has been assigned to **Elite Architectural Systems Pty Ltd**

2023254947 Longyear TM, Inc. The application has been assigned to **Boart Longyear Company**

2023266358 Neovasc Medical Ltd. The application has been assigned to **Shockwave Medical, Inc.**

**2024**

2024200635 Longyear TM, Inc. The application has been assigned to **Boart Longyear Company**

2024201592 Verrency Holdings Ltd. The application has been assigned to **SPV FinTech Innovations Pty Ltd**

**Extensions of Time, Section 223****Applications Received**



**Extensions of Time, Section 223**

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

**2011**

2011236014 **Sustaine Energy Pty. Ltd.** An application to extend the time from 13 Jul 2023 to 13 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

**2014**

2014390004 **NohBell Corporation** An application to extend the time from 09 Apr 2023 to 09 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2015**

2015293633 **The Pirbright Institute** An application to extend the time from 23 Jul 2023 to 23 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

**2017**

2017201558 **Australian Rain Technologies Pty Limited** An application to extend the time from 02 Feb 2023 to 02 Feb 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018101230 **Cirus, R.; Nyiri, A.; Cirus, N.** An application to extend the time from 24 Aug 2023 to 24 Mar 2024 in which to pay a renewal fee has been filed . Address for service - BRM Patent Attorneys Pty Ltd Clarence Chambers Level 11, 456 Lonsdale Street Melbourne VIC 3000 AU

2018337066 **OZX IP Pty Ltd** An application to extend the time from 24 Sep 2023 to 24 Apr 2024 in which to pay a continuation fee has been filed . Address for service - mdp Patent and Trade Mark Attorneys PO Box 273 Collins Street West VIC 8007 AU

2018337670 **SERAFINI, P.A.** An application to extend the time from 20 Sep 2023 to 20 Apr 2024 in which to pay a continuation fee has been filed . Address for service - Patenteur Pty Ltd Amberley Business Centre IBM Building L 3 1060 Hay St West Perth WA 6005 AU

2018422283 **Advanced Wetting Technologies Pty Ltd** An application to extend the time from 17 Jul 2023 to 17 Apr 2024 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018422284 **Advanced Wetting Technologies Pty Ltd** An application to extend the time from 17 Jul 2023 to 17 Apr 2024 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2019**

2019100546 **Titan Ag Pty Ltd** An application to extend the time from 22 May 2023 to 22 Dec 2023 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**Extensions of Time, Section 223**

2019204291 **Thales** An application to extend the time from 19 Jun 2023 to 19 Feb 2024 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019248463 **CircSaw Technologies LLC** An application to extend the time from 26 Mar 2023 to 26 Feb 2024 in which to pay a continuation fee has been filed . Address for service - LAMINAR IP PTY LTD PO Box 599 Milsons Point NSW 1565 AU

2019249812 **CircSaw Technologies LLC** An application to extend the time from 25 Mar 2023 to 25 Feb 2024 in which to pay a continuation fee has been filed . Address for service - LAMINAR IP PTY LTD PO Box 599 Milsons Point NSW 1565 AU

2019459693 **Fujitsu Limited** An application to extend the time from 01 Aug 2023 to 01 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020101265 **Yarramen Pty Ltd** An application to extend the time from 06 Jul 2022 to 06 Sep 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021203360 **NOWWW.US PTY LTD** An application to extend the time from 25 Aug 2023 to 25 Aug 2024 in which to gain acceptance has been filed . Address for service - Lance Arthur Roman-Miller PO Box R813 Royal Exchange NSW 1225 AU

**2022**

2022275524 **SG Gaming ANZ Pty Ltd** An application to extend the time from 20 Jul 2023 to 20 Feb 2024 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Applications Allowed - Section 223(2)**

**2007**

2007262668 **Oz Shelving Systems Pty Ltd** The time in which to pay a renewal fee has been extended to 22 Jan 2024 . Address for service - OZ SHELVING SYSTEMS PTY LIMITED 3471 Ipswich Road Wacol QLD 4076 AU

**2013**

2013397940 **Haidukewych, G.J.** The time in which to pay a renewal fee has been extended to 18 Nov 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2016**

2016202517 **Saddington, H.** The time in which to pay a renewal fee has been extended to 24 Dec 2023 . Address for service - Hayley Saddington 1 Newton St Little Bay NSW 2036 AU

**2017**

2017376960 **Baxter International Inc.; Baxter Healthcare SA** The time in which to pay the acceptance fee has been extended to 14 Apr

**Extensions of Time, Section 223**

2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

**2018**

2018258673 **Noel, H.** The time in which to pay a continuation fee has been extended to 27 Nov 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018259166 **Corex Plastics (Australia) Pty Ltd; Buruma, T.; Buruma, R.** The time in which to pay a renewal fee has been extended to 27 Nov 2023 . Address for service - Corex Plastics (Australia) Pty Ltd 261 Frankston-Dandenong Rd Dandenong South VIC 3175 AU

2018290347 **Checkpoint Systems, Inc.** The time in which to pay the acceptance fee has been extended to 14 Apr 2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

**2019**

2019204166 **HAI DUKEWYCH, G.** The time in which to pay a renewal fee has been extended to 18 Nov 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2019247641 **Zilentin AG** The time in which to pay a renewal fee has been extended to 05 Dec 2023 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2019267458 **Bellicum Pharmaceuticals, Inc.** The time in which to pay a continuation fee has been extended to 06 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019288929 **Hofseth BioCare ASA** The time in which to pay a renewal fee has been extended to 17 Jan 2024 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2020**

2020239920 **Nieman, L.; Ulmann, A.; Newman, A.** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

2020245708 **Breville Pty Limited** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - GLMR PO Box Q1615 Queen Victoria Building NSW 1230 AU

2020259409 **American Investmint Corp** The time in which to request examination has been extended to 23 Apr 2024 . Address for service - patents associated 742 Beams Rd Carseldine QLD 4034 AU

2020262398 **Bennubio Inc.** The time in which to request examination has been extended to 30 Apr 2024 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2021**

2021101435 **ERBERN PTY LTD** The time in which to pay a renewal fee has been extended to 19 Dec 2023 . Address for service - MG-

**Extensions of Time, Section 223**

MTCNSLTNG PTY LTD 43 Winchester Ave NSW Lindfield NSW 2070 AU

2021102784 **Jiao, L.** The time in which to pay a renewal fee has been extended to 23 Jan 2024 . Address for service - WORLD FIELD (AUST) PTY. LTD. 2/314 Hammond Rd Dandenong South VIC 3175 AU

2021106986 **Corex Plastics (Australia) Pty Ltd** The time in which to pay a renewal fee has been extended to 27 Nov 2023 . Address for service - Corex Plastics (Australia) Pty Ltd 261 Frankston-Dandenong Rd Dandenong South VIC 3175 AU

2021286756 **Elkazaz, M.F.** The time in which to gain acceptance has been extended to 17 May 2024 . Address for service - Mohamed Fadly Abd ElGhany Elkazaz 16b Oallen Place Schofields NSW 2762 AU

**2022**

2022204536 **L3Harris Technologies, Inc.** The time in which to pay the acceptance fee has been extended to 14 Apr 2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

2022206738 **Beijing BrightSky Health Tech. Co. Ltd** The time in which to pay the acceptance fee has been extended to 02 Mar 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2022239827 **SOLMIC BIOTECH GMBH** The time in which to enter the National Phase has been extended to 17 Dec 2023 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2022294310 **YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.** The time in which to enter the National Phase has been extended to 13 Mar 2024 . Address for service - Halfords IP GPO Box 4212 Sydney NSW 2001 AU

2022298452 **WING AVIATION LLC** The time in which to enter the National Phase has been extended to 23 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022315278 **CHEVRON U.S.A. INC.** The time in which to enter the National Phase has been extended to 22 Mar 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2022335137 **TSM CO., LTD.** The time in which to enter the National Phase has been extended to 27 Apr 2024 . Address for service - A.P.T. Patent and Trade Mark Attorneys PO Box 833 BLACKWOOD SA 5051 AU

**2023**

2023278121 **Macdonald, J.** The time in which to comply with a direction under Reg 3.2A has been extended to 11 Mar 2024 . Address for service - John Andrew Macdonald PO Box 722 Camberwell South VIC 3124 AU

**Extensions of Time, Section 223**

**Section 223(1) Allowances**

**2021**

2021218017 **Blackhawk Network, Inc.** The time in which to gain acceptance has been extended to 26 Apr 2024

**Amendments**

**Applications for Amendment**

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

**2006**

2006276205 Salts of 4-methyl-n-[3-(4-methyl-imidazol-1-yl)-5-trifluoromethyl-phenyl]-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-benzamide **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 15 Mar 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2013**

2013338393 Papanicolaou test for ovarian and endometrial cancers **The Johns Hopkins University** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2014**

2014316030 Antitumor agent and antitumor effect enhancer **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 08 Apr 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2014364587 Methods of treating cancers using PD-1 axis binding antagonists and taxanes **Genentech, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Mar 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2015**

2015318727 Headgear for a respiratory mask **Fisher & Paykel Healthcare Limited** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**2016**

2016284331 Composite gypsum board and methods related thereto **United States Gypsum Company** The nature of the amendment is as shown in the statement(s) filed 15 Mar 2024 . Address for service - James & Wells Intellectual Property GPO BOX 1301 Canberra ACT 2601 AU

2016366548 Humanized anti-CD73 antibodies **Corvus Pharmaceuticals, Inc. ; BioAtla, LLC** The nature of the amendment is as shown in the statement(s) filed 04 Dec 2023 . Address for service -

**Amendments**

Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2017**

2017203206 Papanicolaou test for ovarian and endometrial cancers **The Johns Hopkins University** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2017283720 Preparation of factor Xa derivatives **Alexion Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 26 Mar 2024 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017421288 Compact fiber optic connectors, cable assemblies and methods of making the same **Corning Research & Development Corporation** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018239993 Chewable gel products for active pharmaceutical ingredients **Bayer Healthcare LLC** The nature of the amendment is: Add inventor Joshi, Charu . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2018250312 Bioorthogonal compositions **Tambo, Inc. ; The Research Foundation for The State University of New York** The nature of the amendment is as shown in the statement(s) filed 20 Mar 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2018260557 Bolus antenna system **Phase IV Engineering, Inc.** The nature of the amendment is as shown in the statement(s) filed 25 May 2023 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2018293932 Tank for pressure sewer installation **South East Water Corporation** The nature of the amendment is as shown in the statement(s) filed 10 Apr 2024 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2020**

2020374844 Substituted heterocyclic fused cyclic compound, preparation method therefor and pharmaceutical use thereof **GenFleet Therapeutics (Shanghai) Inc. ; Zhejiang GenFleet Therapeutics Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 19 Mar 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020410906 Device and system for determining property of object **Chen, C.H.** The nature of the amendment is as shown in the statement(s) filed 03 Apr 2024 . Address for service - ALDRICH PROJECTS PTY LTD Level 39, 385 Bourke Street Melbourne VIC 3000 AU

**2021**

2021206895 Immunogenic compositions comprising conjugated capsular saccharide antigens and uses thereof **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2024 .

**Amendments**

Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2021256364 HYDROGEN RELEASE/STORAGE SYSTEM, HYDROGEN RELEASE/STORAGE METHOD, AMMONIA PRODUCTION EQUIPMENT, GAS TURBINE, FUEL CELL, AND STEEL MILL **Mitsubishi Heavy Industries, Ltd.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021374990 DERIVING INSIGHTS INTO MOTION OF AN OBJECT THROUGH COMPUTER VISION **HINGE HEALTH, INC.** The nature of the amendment is as shown in the statement(s) filed 21 Mar 2024 . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

**2022**

2022200235 MULTISTAGE OSMOTICALLY ASSISTED REVERSE OSMOSIS SYSTEM AND METHOD **Battelle Memorial Institute** The nature of the amendment is as shown in the statement(s) filed 13 Mar 2024 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

2022201391 Spatial separation of particles in a particle containing solution for biomedical sensing and detection **Instrumentation Laboratory Company** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2022202083 Detecting mutations and ploidy in chromosomal segments **Natera, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022215205 Metal-coated steel strip **Bluescope Steel Limited** The nature of the amendment is as shown in the statement(s) filed 19 Mar 2024 . Address for service - ALLENS PATENT & TRADE MARK ATTORNEYS Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

**2023**

2023201920 Restricted operation of an electronic device **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024 . Address for service - FPA Patent Attorneys Pty Ltd Suite 2, Level 9 275 George Street Sydney NSW 2000 AU

2023233108 DUTY CYCLE REDUCER SYSTEM **Agresta , F.** The nature of the amendment is: Remove priority details 2022902271 . Address for service - Ferdinando Agresta PO Box 8 Spit Junction NSW 2088 AU

**Amendments Made**

**2013**

2013323861 **Aragon Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 14 Dec 2023

**Amendments**

**2017**

2017202491 **NSA INVESTMENTS (AUST) PTY LTD** The nature of the amendment is: Application is to proceed under the number 2017101945

2017211712 **CORAL SMART POOL LTD** The nature of the amendment is as shown in the statement filed 29 Nov 2023

2017292936 **Exuma Biotech, Corp.** The nature of the amendment is as shown in the statement(s) filed 30 Jan 2024

2017374588 **TOTALENERGIES ONETECH; Societe D'exploitation De Produits Pour Les Industries Chimiques Seppic** The nature of the amendment is as shown in the statement(s) filed 31 Jan 2024

**2018**

2018207283 **Nektar Therapeutics** The nature of the amendment is as shown in the statement(s) filed 05 Feb 2024

2018216969 **Janssen Pharmaceutica NV** The nature of the amendment is: Amend the name of the inventor to read Stuyckens, Kim; Perez Ruixo, Juan Jose; De Porre, Peter Marie Z.; Avadhani, Anjali Narayan; Lorient, Yohann; Siefker-Radtke, Arlene O. and O'Hagan, Anne Elizabeth

**2019**

2019217838 **The Johns Hopkins University; Duke University** The nature of the amendment is as shown in the statement(s) filed 29 Jan 2024

2019219784 **Imtrade Australia Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2019101854

2019243283 **Eli Lilly and Company** The nature of the amendment is as shown in the statement(s) filed 11 Oct 2023

2019377278 **Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.** The nature of the amendment is as shown in the statement filed 16 Nov 2023

**2020**

2020337996 **Abbott Diabetes Care Inc.** The nature of the amendment is as shown in the statement filed 17 Jan 2024

2020367829 **ICM Australia Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2020104505

2020379796 **Shanghai SIMR Biotechnology Co., Ltd; Shanghai SIMRD Biotechnology Co., Ltd** The nature of the amendment is as shown in the statement filed 24 Jan 2024

2020401440 **Futura Medical Developments Limited** The nature of the amendment is: Amend the name of the inventor to read JAMES, Kenneth William and PROVOST, James Andrew

2020444017 **Boston Scientific Scimed, Inc.** The nature of the amendment is as shown in the statement filed 17 Jan 2024

**Amendments**

**2021**

2021201681 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 11 Jan 2024

2021205134 **MuPharma Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2023

2021228088 **Shanghai Smartee Denti-Technology Co., Ltd.; Shen, G.; Taikang Bybo Dental Group Co., Ltd.** The nature of the amendment is: Amend the invention title to read ORTHODONTIC APPLIANCE AND USES THEREOF

2021229663 **Cordio Medical Ltd.** The nature of the amendment is as shown in the statement filed 12 Jan 2024

2021231074 **Metagenomi, Inc.** The nature of the amendment is as shown in the statement filed 19 Dec 2023

2021248551 **Automation Tech, LLC** The nature of the amendment is: Amend the invention title to read Modular cooking apparatus having a hot air oven with a built-in magnetron and a double duty heater

2021263558 **Stepan Company** The nature of the amendment is: Add inventor Flieger, Sebastian

2021318836 **Reckitt & Colman (Overseas) Hygiene Home Limited** The nature of the amendment is: Amend the name of the inventor to read DAS, Avijit; DHAWADE, Prerna; DUTTA CHOUDHURY, Sumana; KAPOOR, Mayank; MAKKAPATI, Anil Kumar; MIRIYALA RAMESHBABU, Bhagyasree; MUKHOPADHYAY, Kunal; PATHAK, Pranoti; SATHUA, Sandeep Kumar; SHANMUGAM PERUMAL, Shanthakumar; SUVARNA, Vimmy and VERMA, Adeeti

2021347367 **Colmet LLC.** The nature of the amendment is as shown in the statement(s) filed 05 Feb 2024

2021374232 **ACTINOGEN MEDICAL LIMITED** The nature of the amendment is: Amend the name of the inventor to read GRUGEL, Christian and WEDEL, Tobias

2021384001 **DEB IP LIMITED** The nature of the amendment is: Amend the name of the inventor to read HINES, John; SLACK, Matthew; RYAN, Tony and WARD-O'BRIEN, Niall

2021469404 **SUPERHII CO., LTD.** The nature of the amendment is: Amend the invention title to read MAGNETIC ATTRACTION TYPE FIXED CHARGING DEVICE AND METHOD

**2022**

2022200286 **Britax Römer Kindersicherheit GmbH** The nature of the amendment is as shown in the statement(s) filed 15 Dec 2023

2022235426 **RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED** The nature of the amendment is: Amend the name of the inventor to read

2022261717 **APPLE INC.** The nature of the amendment is as shown in the statement filed 23 Jan 2024

2022283648 **X Development LLC** The nature of the amendment is: Amend the name of the inventor to read LI, Xin; GUPTA, Akshina;

**Amendments**

SINGARAJU, Nishanth; COWAN, Eliot Julien and COWAN, Avery Noam

2022283684 **X Development LLC** The nature of the amendment is: Amend the name of the inventor to read GUPTA, Akshina; COWAN, Eliot Julien; RAO, Krishna Kumar and COWAN, Avery Noam

2022286857 **LIGHTFORCE ORTHODONTICS INC.** The nature of the amendment is: Amend the invention title to read Manufacture of patient-specific orthodontic tube

2022288744 **MEDIANEZIA GMBH** The nature of the amendment is: Amend the name of the inventor to read RÖSCH, Frank; MARTIN, Marcel; GRUS, Tilmann; MOON, Euy Sung and BAL, Chandra Sekhar

2022297244 **X DEVELOPMENT LLC** The nature of the amendment is: Amend the name of the inventor to read COWAN, Eliot Julien and COWAN, Avery Noam

2022306374 **X DEVELOPMENT LLC** The nature of the amendment is: Amend the name of the inventor to read COWAN, Eliot Julien; COWAN, Avery Noam and GUPTA, Akshina

2022337499 **LONGI GREEN ENERGY TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read COLOUR LAMINATED PHOTOVOLTAIC DEVICE

2022339875 **REDFORD, R.** The nature of the amendment is as shown in the statement filed 28 Mar 2024

2022341440 **MAXIRNA (ZHEJIANG) TECHNOLOGY CO., LTD.; MAXIRNA (SHANGHAI) PHARMACEUTICAL CO., LTD.; SHANGHAI CELL THERAPY GROUP CO., LTD** The nature of the amendment is: Amend the invention title to read Ionizable lipids, their preparation and application in gene delivery

2022344262 **AMGEN INC.** The nature of the amendment is: Amend the name of the inventor to read DARIS, Kristine Marie; LE, Huong Thi Ngoc; GISLASON, Eric and MUNRO, Trent Phillip

2022345473 **SISTEMAS TECNICOS DEL ACCESORIO Y COMPONENTES, S.L.** The nature of the amendment is as shown in the statement filed 20 Mar 2024

2022346320 **ENEOS CORPORATION; NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY** The nature of the amendment is: Amend the name of the inventor to read OOZEKI, Takashi

2022349251 **HDT BIO CORP.** The nature of the amendment is: Amend the name of the inventor to read REED, Steven Gregory; CARTER, Darrick Albert; KHANDHAR, Amit Praful; DUTHIE, Malcolm S.; BERGLUND, Lars Peter Aksel; ERASMUS, Jesse; BERUBE, Bryan and ARCHER, Jacob Freeman

2022349634 **HDT BIO CORP.** The nature of the amendment is: Amend the name of the inventor to read DUTHIE, Malcolm, S.; BERUBE, Bryan; LEAL, Joseph; KHANDHAR, Amit Praful; KIM, Jiho; CARTER, Darrick, Albert and BERGLUND, Lars Peter Aksel

2022351009 **HDT BIO CORP.** The nature of the amendment is: Amend the name of the inventor to read REED, Steven Gregory;

**Amendments**

CARTER, Darrick Albert; KHANDHAR, Amit Praful; DUTHIE, Malcolm S.; BERGLUND, Lars Peter Aksel; ERASMUS, Jesse; BERUBE, Bryan and ARCHER, Jacob Freeman

2022354476 **SENF, T.** The nature of the amendment is: Amend the invention title to read Device for lifting frames of a magazine hive for beekeeping

2022355831 **TINECO INTELLIGENT TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read CLEANING APPARATUS

2022355896 **HUAWEI TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read Information transmission method and apparatus

2022358641 **DALIAN UNIVERSITY OF TECHNOLOGY** The nature of the amendment is: Amend the name of the inventor to read SUN, Ximing; SUN, Tao; LIU, Moran and LI, Hongxin

2022359539 **CURINGINNO INC.** The nature of the amendment is: Amend the invention title to read TENNIS SELF-TRAINING SYSTEM

2022360645 **ILTOO PHARMA; SORBONNE UNIVERSITE; ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE)** The nature of the amendment is: Amend the invention title to read Interleukin 2 chimeric constructs with targeting specificity to inflamed tissues

2022364506 **NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE** The nature of the amendment is: Amend the invention title to read Oil-Well Metal Pipe

2022364701 **VANDEBKEN, O.H.C.D.; VANDEBKEN, C.J.; VANDEBKEN, M.A.** The nature of the amendment is: Amend the invention title to read Vertical depackaging apparatus

2022368153 **NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE** The nature of the amendment is: Amend the invention title to read Oil-Well Metal Pipe

2022368159 **NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Method for producing direct reduced iron

2022368801 **SHENZHEN JUMAO UNIVERSE TECHNOLOGY CO., LTD** The nature of the amendment is: Amend the invention title to read Adjustable grooming structure

2022369222 **KABUSHIKI KAISHA TOSHIBA; TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION** The nature of the amendment is: Amend the invention title to read Tray for physical distribution sorter and article sorting apparatus

2022369917 **CURVEBEAM, LLC** The nature of the amendment is: Amend the name of the inventor to read LINTZ, François L.A.

2022371657 **POARCH BAND OF CREEK INDIANS, D/B/A PCI GAMING AUTHORITY** The nature of the amendment is: Amend the name of the inventor to read DORRIS, JR., James F.; ROHMAN, III,

**Amendments**

Kenneth William; BELL, Brian Franklin; ANDERSON, Peter; FRALICK, Candy Kirby and MILTON, Jessica

2022380106 **TOSHO, INC.** The nature of the amendment is: Amend the invention title to read Medicine dispensing apparatus

2022388004 **KOMATSU LTD.** The nature of the amendment is: Amend the invention title to read Excavated matter conveyance system inside driftway

2022392804 **MIROBIO LIMITED** The nature of the amendment is: Amend the invention title to read Engineered PD-1 antibodies and uses thereof

2022403278 **JFE STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read METHOD FOR ESTABLISHING ESTIMATION MODEL FOR COKE STRENGTH AFTER REACTION, METHOD FOR ESTIMATING COKE STRENGTH AFTER REACTION, AND METHOD FOR MANUFACTURING COKE

2022461424 **QINGDAO UNIVERSITY OF TECHNOLOGY** The nature of the amendment is: Amend the invention title to read MULTI-MODE SWITCHING CO2 TWO-PHASE THERMOSYPHON LOOP COOLING SYSTEM AND CONTROL METHOD THEREFOR

2022468833 **STELEXIS THERAPEUTICS, LLC** The nature of the amendment is: Amend the priority details to read 63/223,994 21 Jul 2021 US

**2023**

2023901214 **Wordflow Pty Ltd** The nature of the amendment is: Application is to proceed under number 2023358132

2023901392 **Millie & More Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2023355066

**2024**

2024200759 **Abbott Diabetes Care Inc.** The nature of the amendment is: Add inventor Wali, Ahmed Hisham

2024201751 **Bayer Healthcare LLC** The nature of the amendment is: Amend the name of the inventor to read Sirihorachai, Rachan; Bradley, Reginald D.; Rosar, Paul D.; Ekpe, Anthony and Joshi, Charu

2024201871 **Janssen Pharmaceutica NV** The nature of the amendment is: Amend the name of the inventor to read

2024202119 **REPT BATTERO Energy Co., Ltd.; Shanghai Ruipu Energy Co., Ltd.** The nature of the amendment is: Amend the priority details to read 202320709501.1 03 Apr 2023 CN and 202420554659.0 20 Mar 2024 CN

2024900746 **Yaramen Pty Ltd** The nature of the amendment is: Application is to proceed under number 2024202580

2024900911 **Spectainer Pty Ltd** The nature of the amendment is: Amend the invention title to read Compactible pallet

**Alteration of Name(s) of Applicant(s)/Patentee(s)**

**Amendments**

**2004**

2004215428 Sugen, Inc. The name of the patentee has been altered to **Sugen LLC**

**2005**

2005230687 Wyeth The name of the patentee has been altered to **Wyeth LLC**

**2007**

2007201947 Mobile Mini, Inc. The name of the patentee has been altered to **Williams Scotsman, Inc.**

2007338690 Wyeth The name of the patentee has been altered to **Wyeth LLC**

**2009**

2009213040 Wyeth Holdings Corporation The name of the patentee has been altered to **Wyeth Holdings LLC**

**2010**

2010241303 Wyeth The name of the patentee has been altered to **Wyeth LLC**

2010277539 MOLTENI THERAPEUTICS S.R.L. The name of the patentee has been altered to **L. MOLTENI & C. DEI FRATELLI ALITTI – SOCIETA' DI ESERCIZIO - S.P.A.**

**2012**

2012202916 Wyeth Holdings Corporation The name of the patentee has been altered to **Wyeth Holdings LLC**

**2015**

2015256597 Anacor Pharmaceuticals, Inc. The name of the patentee has been altered to **Anacor Pharmaceuticals, LLC**

**2016**

2016297895 Novel Microdevices, LLC (DBA Novel Devices) The name of the patentee has been altered to **Novel Microdevices, Inc.**

**2017**

2017368329 Novel Microdevices, LLC The name of the patentee has been altered to **Novel Microdevices, Inc.**

**2018**

2018215669 Vallon Pharmaceuticals, Inc. The name of the applicant has been altered to **GRI BIO, INC.**

2018310629 Laboratorios LETI S.L. Unipersonal The name of the applicant has been altered to **Leti Pharma, S.L.**

2018319637 Synpromics Limited The name of the applicant has been altered to **ASKBIO UK LTD**

**Amendments**

**2019**

2019241301 Shanghai Cellular Biopharmaceutical Group Ltd. The name of the applicant has been altered to **Shanghai AbelZeta Ltd.**

2019251016 Shanghai Cellular Biopharmaceutical Group Ltd. The name of the patentee has been altered to **Shanghai AbelZeta Ltd.**

2019252565 Tychan Pte. Ltd. The name of the applicant has been altered to **Tysana Pte. Ltd.**

2019292669 Amicus Trade AB The name of the applicant has been altered to **Holdon Systems AB**

2019327425 Novel Microdevices, LLC (DBA Novel Devices) The name of the patentee has been altered to **Novel Microdevices, Inc.**

2019339264 Board of Regents, The University of Texas System; Lung Therapeutics, Inc. The name of the applicant has been altered to **Lung Therapeutics, LLC; Board of Regents, The University of Texas System**

2019359878 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2019388785 Hoi Polloi Trends, LLC The name of the applicant has been altered to **Be Sunny Gifts, LLC**

2019392537 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2019418813 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

**2020**

2020231258 MOLTENI THERAPEUTICS S.R.L. The name of the applicant has been altered to **L. MOLTENI & C. DEI FRATELLI ALITTI – SOCIETA' DI ESERCIZIO - S.P.A.**

2020260157 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2020313915 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2020326626 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2020332939 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2020334901 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2020351232 Tempus Labs, Inc.; Geisinger Clinic The name of the applicant has been altered to **Tempus AI, Inc.; Geisinger Clinic**

2020409800 LGLG Electronics Inc. The name of the applicant has been altered to **LG Electronics Inc.**

**Amendments**

**2021**

2021207795 Nkarta, Inc. The name of the applicant has been altered to **NKarta, Inc.**

2021259958 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2021280972 Lumendo AG The name of the applicant has been altered to **Odne AG**

2021393434 Shanghai Cellular Biopharmaceutical Group Ltd. The name of the applicant has been altered to **Shanghai AbelZeta Ltd.**

**2022**

2022215001 PLASTECH RECYCLING LIMITED The name of the applicant has been altered to **Plastech Recycling Proprietary Limited**

2022224060 Tempus Labs, Inc. The name of the applicant has been altered to **Tempus AI, Inc.**

2022254655 STOICHEIA, INC. The name of the applicant has been altered to **Mattiq, Inc.**

2022280964 Tempus Labs, Inc.; GEISINGER CLINIC The name of the applicant has been altered to **Tempus AI, Inc.; GEISINGER CLINIC**

2022281440 Tempus Labs, Inc.; GEISINGER CLINIC The name of the applicant has been altered to **Tempus AI, Inc.; GEISINGER CLINIC**

2022291647 Dongguan Huahui Precision Machinery Co., Ltd. The name of the applicant has been altered to **Guangdong Huahui Intelligent Equipment Co., Ltd.**

2022306352 LUNG THERAPEUTICS, INC. The name of the applicant has been altered to **Lung Therapeutics, LLC**

2022314994 UNIVERSITY COLLEGE LONDON; THE FRANCIS CRICK INSTITUTE The name of the applicant has been altered to **The Francis Crick Institute Limited; UNIVERSITY COLLEGE LONDON**

2022319690 DARE BIOSCIENCE, INC.; WALTERS, Mark; PACELLI, Nicolas J.; KIANG, Jennifer; FRIEND, David The name of the applicant has been altered to **DARE BIOSCIENCE, INC.**

2022327545 Klueber Lubrication Muenchen SE & Co. KG The name of the applicant has been altered to **Klüber Lubrication München GmbH & Co. KG**

2022329901 CARNEGIE MELLON UNIVERSITY; Amit VASUDEVAN; Vyas SEKAR; Matthew MCCORMACK The name of the applicant has been altered to **CARNEGIE MELLON UNIVERSITY**

2022359817 Institut National de Recherche Pour l'Agriculture, l'Alimentation et l'Environnement; INSTITUT DES SCIENCES ET INDUSTRIES DU VIVANT ET DE L'ENVIRONNEMENT ; Sorbonne Université; Assistance Publique - Hôpitaux de Paris; INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Saclay The name of the applicant has been altered to **Institut National de Recherche Pour l'Agriculture, l'Alimentation et l'Environnement; Institut National des Sciences et Industries du**

**Amendments**

**Vivant et de l'Environnement; Sorbonne Université; Assistance Publique - Hôpitaux de Paris; INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Saclay**

2022366767 TEMPUS LABS, INC. The name of the applicant has been altered to **Tempus AI, Inc.**

2022390038 BIG BLUE TECHNOLOGIES The name of the applicant has been altered to **BIG BLUE TECHNOLOGIES, INC.**

**2023**

2023204159 Shanghai Cellular Biopharmaceutical Group Ltd. The name of the applicant has been altered to **Shanghai AbelZeta Ltd.**

2023901063 Formula One Surf International Pty Ltd The name of the applicant has been altered to **SURF FORMULA INTERNATIONAL PTY LTD**

2023901256 Ozilift Pty Ltd The name of the applicant has been altered to **Ozil Lifts Pty Ltd**

2023901734 Brisse Pty Ltd The name of the applicant has been altered to **Absalom, B.; Green, J.M.**

2023904177 R.G.Wilson Pty Ltd The name of the applicant has been altered to **Wilson, T.**

**2024**

2024200642 Novel Microdevices, LLC The name of the applicant has been altered to **Novel Microdevices, Inc.**

2024201090 Novel Microdevices, LLC (DBA Novel Devices) The name of the applicant has been altered to **Novel Microdevices, Inc.**

2024202327 Laboratorios LETI S.L. Unipersonal The name of the applicant has been altered to **Leti Pharma, S.L.**

2024202413 PARK Ltd The name of the applicant has been altered to **PARKD Ltd**

2024900693 Fiber Sense Limited The name of the applicant has been altered to **Project S Technologies Pty Ltd**

2024900745 Fortescue Metals Group Ltd The name of the applicant has been altered to **Fortescue Ltd**



Applications Open to Public Inspection

Name Index

- . (\*) Title not in Roman characters
- . (\*\*) Title not given

<p>(71) 2MT Mining Products Pty Ltd (11) AU-A-2024202175 (21) 2024202175 (22) 04.04.2024 (54) PROTECTION SYSTEMS (51) Int. Cl. E02F 9/28 ( 2006.01 ) B65G 11/16 ( 2006.01 ) (43) 02.05.2024 (62) 2020317370 (72) SENANAYAKE, Mahinda Palitha (74) Ahearn Fox</p>	<p>(71) Acer Incorporated (11) AU-A-2023241342 (21) 2023241342 (22) 05.10.2023 (54) METHOD OF HANDLING CONDITIONAL HANDOVER WITH CANDIDATE SECONDARY CELL GROUP, SOURCE MASTER NODE, AND USER EQUIPMENT (51) Int. Cl. H04W 36/38 ( 2009.01 ) (31) 63/413,971 (32) 07.10.22 (33) US 18/472,189 21.09.23 US (43) 02.05.2024 (72) HUANG, Nai-Lun (74) Collison &amp; Co</p>	<p>(54) Process for preparing methoxy methyl pyridine dicarboxylate (51) Int. Cl. C07D 213/803 ( 2006.01 ) C07D 401/04 ( 2006.01 ) (43) 02.05.2024 (62) 2022200720 (72) KUSNIEC, Tzurit; TZOR, Omer; YACOVAN, Avihai (74) FB Rice Pty Ltd</p>
<p>(71) 2WP International Pty Ltd (11) AU-A-2024202258 (21) 2024202258 (22) 08.04.2024 (54) Sharpening device (51) Int. Cl. B24D 15/08 ( 2006.01 ) B24D 15/06 ( 2006.01 ) (43) 02.05.2024 (62) 2020345650 (72) MEEK, Peter John (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Acerta Pharma B.V. (11) AU-A-2024202290 (21) 2024202290 (22) 10.04.2024 (54) PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[[2S]-1-(BUT-2-YNOYL)-PYRROLIDIN-2-YL]IMIDAZO[1,5-A]-PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE (51) Int. Cl. C07D 213/75 ( 2006.01 ) C07D 487/04 ( 2006.01 ) (43) 02.05.2024 (62) 2023204660 (72) Bethel, Paul Allen; Chan, Lai Chun; Cooper, Katie Grace; Cox, Robert John; Golden, Michael David; Hughes, Shaun Alan; Jackson, Lucinda Victoria; Millard, Kirsty Jane; Phillips, Andrew John; Telford, Alexander James; Evarts, Jerry; Lawler, Michael Joseph; Litjens, Remy E. J. N.; Van Eijk, Peter Johannes Servaas Savio; Verstappen, Mathilda Maria Henrica; Vos, Frank L. M.; Zijp, Eric Jurriën; Junying, Qiu; Wang, Angang; Garrey, Rustam Ferdinand; Short, David Allen (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) Adobe Inc. (11) AU-A-2023210676 (21) 2023210676 (22) 05.08.2023 (54) NEURAL COMPOSITING - EMBEDDING GENERATIVE TECHNOLOGIES INTO NON-DESTRUCTIVE DOCUMENT EDITING WORKFLOWS (51) Int. Cl. G06T 7/00 ( 2017.01 ) G06T 1/00 ( 2006.01 ) G06T 3/00 ( 2006.01 ) (31) 63/379,806 (32) 17.10.22 (33) US 18/188,671 23.03.23 US (43) 02.05.2024 (72) Brdiczka, Oliver; Costin, Alexandru Vasile; Darabi, Aliakbar; Brown, Davis Taylor; Bourgin, David Davenport (74) RnB IP Pty Ltd</p>
<p>(71) Abbott Diabetes Care Inc. (11) AU-A-2024202384 (21) 2024202384 (22) 11.04.2024 (54) Method and apparatus for determining medication dose information (51) Int. Cl. A61M 31/00 ( 2006.01 ) (43) 02.05.2024 (62) 2021266271 (72) TAUB, Marc Barry; BUDIMAN, Erwin Satrya; KARAN, Jai; DUNN, Timothy Christian (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Acorn Engineering Company (11) AU-A-2023248102 (21) 2023248102 (22) 11.10.2023 (54) Grab bar (51) Int. Cl. A47K 17/02 ( 2006.01 ) (31) 63/415,191 (32) 11.10.22 (33) US (43) 02.05.2024 (72) ADKISON, Christopher (74) Spruson &amp; Ferguson</p>	<p>(71) Adobe Inc. (11) AU-A-2023210677 (21) 2023210677 (22) 05.08.2023 (54) SMART IMAGE HARMONIZATION FOR TEXT MATCHING ON DESIGN DOCUMENTS (51) Int. Cl. G06T 11/60 ( 2006.01 ) G06F 3/048 ( 2013.01 ) (31) 63/379,813 (32) 17.10.22 (33) US 18/334,610 14.06.23 US (43) 02.05.2024 (72) Mironica, Ionut; Lupascu, Marian; Costin, Alexandru Vasile; Buzoiu, Cristian Catalin; Darabi, Aliakbar (74) RnB IP Pty Ltd</p>
<p>(71) AbbVie S.á.r.l.; Galapagos NV (11) AU-A-2024202468 (21) 2024202468 (22) 16.04.2024 (54) Heteroaryl substituted pyridines and methods of use (51) Int. Cl. C07D 413/14 ( 2006.01 ) A61K 31/4439 ( 2006.01 ) A61P 11/00 ( 2006.01 ) C07D 413/04 ( 2006.01 ) C07D 417/04 ( 2006.01 ) C07D 417/14 ( 2006.01 ) (43) 02.05.2024 (62) 2021282409 (72) ALTENBACH, Robert J.; BOGDAN, Andrew; COTI, Ghjuvanni Petru Di-unisu; COWART, Marlon D.; GRESZLER, Stephen N.; KELGTERMANS, Hans; KYM, Philip R.; VAN DER PLAS, Steven Emiel; WANG, Xueqing (74) Spruson &amp; Ferguson</p>	<p>(71) ADAMA Agan Ltd. (11) AU-A-2024202337 (21) 2024202337 (22) 11.04.2024</p>	<p>(71) Adobe Inc. (11) AU-A-2023211258 (21) 2023211258 (22) 07.08.2023 (54) ADAPTIVE EDITING EXPERIENCE FOR MIXED MEDIA CONTENT (51) Int. Cl. G06F 3/0483 ( 2013.01 ) G06F 3/048 ( 2013.01 ) G06F 3/04812 ( 2022.01 ) G06F 3/04817 ( 2022.01 ) G11B 27/034 ( 2006.01 ) (31) 63/379,811 (32) 17.10.22 (33) US 18/348,522 07.07.23 US</p>

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 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023214209  
 (21) 2023214209 (22) 07.08.2023  
 (54) GENERATING STYLIZED GLYPHS USING GENERATIVE AI  
 (51) Int. Cl.  
*G06T 11/00* ( 2006.01 )  
 (31) 63/379,892 (32) 17.10.22 (33) US  
 18/318,567 16.05.23 US  
 (43) 02.05.2024  
 (72) DARABI, ALIAKBAR; CHICULITA, ALEXANDRU; COSTIN, ALEXANDRU VASILE; GETLIN, BRENT; McCULLY, NATHANIEL; BRDICZKA, OLIVER  
 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023214214  
 (21) 2023214214 (22) 07.08.2023  
 (54) CONTENT VELOCITY AND HYPER-PERSONALIZATION USING GENERATIVE AI  
 (51) Int. Cl.  
*G06N 5/04* ( 2023.01 )  
*G06F 16/00* ( 2019.01 )  
*G06N 3/02* ( 2006.01 )  
 (31) 63/416,874 (32) 17.10.22 (33) US  
 18/306,048 24.04.23 US  
 (43) 02.05.2024  
 (72) BRDICZKA, OLIVER; KANTAWALA, KAUSHAL; ROSCA, ION; DARABI, ALIAKBAR; COSTIN, ALEXANDRU VASILE; CHICULITA, ALEXANDRU  
 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023214217  
 (21) 2023214217 (22) 07.08.2023  
 (54) TARGET SCENE COMPOSITION USING GENERATIVE AI  
 (51) Int. Cl.  
*G06T 11/60* ( 2006.01 )  
*G06F 40/20* ( 2020.01 )  
*G06N 3/08* ( 2023.01 )  
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 (31) 63/416,882 (32) 17.10.22 (33) US  
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 (43) 02.05.2024  
 (72) BRDICZKA, OLIVER; ROSCA, ION; DARABI, ALIAKBAR; COSTIN, ALEXANDRU VASILE; CHICULITA, ALEXANDRU  
 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023216768  
 (21) 2023216768 (22) 15.08.2023  
 (54) FACE-AWARE SPEAKER DIARIZATION FOR TRANSCRIPTS AND TEXT-BASED VIDEO EDITING  
 (51) Int. Cl.

*G10L 17/00* ( 2013.01 )  
*G06V 40/16* ( 2022.01 )  
 (31) 17/967,399 (32) 17.10.22 (33) US  
 (43) 02.05.2024  
 (72) Bai, Xue; Dontcheva, Lubomira; Cai, Haoran; Caba heilbron, Fabian david; Agarwala, Aseem  
 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023216770  
 (21) 2023216770 (22) 15.08.2023  
 (54) VIDEO SEGMENT SELECTION AND EDITING USING TRANSCRIPT INTERACTIONS  
 (51) Int. Cl.  
*G10L 25/57* ( 2013.01 )  
 (31) 17/967,364 (32) 17.10.22 (33) US  
 (43) 02.05.2024  
 (72) Bai, Xue; Dontcheva, Lubomira; Salamon, Justin; Brandt, Joel; Shin, Hijung; Cai, Haoran; Fraser, Cristin; Agarwala, Aseem  
 (74) RnB IP Pty Ltd

(71) Adobe Inc.  
 (11) AU-A-2023233092  
 (21) 2023233092 (22) 20.09.2023  
 (54) ARTIFICIAL INTELLIGENCE TECHNIQUES FOR EXTRAPOLATING HDR PANORAMAS FROM LDR LOW FOV IMAGES  
 (51) Int. Cl.  
*G06T 5/00* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
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 (31) 63/416,915 (32) 17.10.22 (33) US  
 63/456,219 31.03.23 US  
 18/238,290 25.08.23 US  
 (43) 02.05.2024  
 (72) Dastjerdi, Mohammad Reza Karimi; Hold-Geoffroy, Yannick; Bi, Sai; Eisenmann, Jonathan; Lalonde, Jean-Francois  
 (74) RnB IP Pty Ltd

(71) ADOC SSF, LLC  
 (11) AU-A-2024202172  
 (21) 2024202172 (22) 04.04.2024  
 (54) PEPTIDE-MHC COMPACTS  
 (51) Int. Cl.  
*C07K 14/74* ( 2006.01 )  
*C07K 14/435* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
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 (62) 2023266338  
 (72) BETHUNE, Michael T; JACOBY, Kyle Martin; BAO, Xiaoyan Robert; DALMAS, Olivier; PAN, Zheng; SENNINO, Barbara; FRANZUSOFF, Alex; PENG, Songming  
 (74) Griffith Hack

(71) Agency for Defense Development  
 (11) AU-A-2023222918  
 (21) 2023222918 (22) 31.08.2023  
 (54) Liquid Fuel Supply System Including Auxiliary Air Supply Device  
 (51) Int. Cl.  
*F02C 6/06* ( 2006.01 )  
*F02K 3/12* ( 2006.01 )  
 (31) 10-2022-0127677 (32) 06.10.22 (33) KR  
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 (72) JIN, Sang-Wook  
 (74) Chrysiliou IP

(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023242090  
 (21) 2023242090 (22) 09.10.2023  
 (54) Semi-Open Loop Liquefaction Process  
 (51) Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
 (31) 17/965,865 (32) 14.10.22 (33) US  
 (43) 02.05.2024  
 (72) Roberts, Mark Julian; Shnitser, Russell B.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023243420  
 (21) 2023243420 (22) 09.10.2023  
 (54) Open Loop Liquefaction Process with NGL Recovery  
 (51) Int. Cl.  
*F25J 1/02* ( 2006.01 )  
*F25J 5/00* ( 2006.01 )  
 (31) 17/965,883 (32) 14.10.22 (33) US  
 (43) 02.05.2024  
 (72) Roberts, Mark Julian; Shnitser, Russell B; Ott, Christopher Michael; Ott Weist, Annemarie  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Akroswiss AG  
 (11) AU-A-2024202429  
 (21) 2024202429 (22) 13.04.2024  
 (54) Bi-dose nasal spray  
 (51) Int. Cl.  
*A61M 15/08* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 11/00* ( 2006.01 )  
*A61M 15/00* ( 2006.01 )  
*B65B 3/00* ( 2006.01 )  
*B65B 7/16* ( 2006.01 )  
*B65B 7/28* ( 2006.01 )  
*B65B 31/02* ( 2006.01 )  
*B65B 31/04* ( 2006.01 )  
*G09B 23/28* ( 2006.01 )  
*G09B 23/30* ( 2006.01 )  
*A61M 5/31* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2019267080  
 (72) FRÖHLICH, Johannes Malta; ZADORY, Matthias Gergely; BIENDL, Stefan Pascal  
 (74) Forte Intellectual Property Pty Ltd

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 (11) AU-A-2024202430  
 (21) 2024202430 (22) 13.04.2024  
 (54) Bi-dose nasal spray  
 (51) Int. Cl.  
*A61M 15/08* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 11/00* ( 2006.01 )  
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*B65B 3/00* ( 2006.01 )  
*B65B 7/16* ( 2006.01 )  
*B65B 7/28* ( 2006.01 )  
*B65B 31/02* ( 2006.01 )  
*B65B 31/04* ( 2006.01 )  
*G09B 23/28* ( 2006.01 )  
*G09B 23/30* ( 2006.01 )  
*A61M 5/31* ( 2006.01 )

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 (62) 2019267080  
 (72) FRÖHLICH, Johannes Malta; ZADORY, Matthias Gergely; BIENDL, Stefan Pascal  
 (74) Forte Intellectual Property Pty Ltd

(71) Aladdin Manufacturing Corporation  
 (11) AU-A-2024202368  
 (21) 2024202368 (22) 11.04.2024  
 (54) Method for manufacturing a carpet or a rug and a carpet or rug obtained thereby  
 (51) Int. Cl.  
*D05C 17/02* ( 2006.01 )  
*D04H 1/48* ( 2012.01 )  
*D04H 11/00* ( 2006.01 )  
*D06N 7/00* ( 2006.01 )

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 (72) REYNOLDS, Charles Winston; DYE, Mark Gregory; SETHNA, Michael Bejon  
 (74) Davies Collison Cave Pty Ltd

Alcala-Galiano, F.L. see Morales, Á.M.  
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(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2024200870  
 (21) 2024200870 (22) 12.02.2024  
 (54) Apolipoprotein C3 (APOC3) iRNA compositions and methods of use thereof  
 (51) Int. Cl.  
*A61K 31/713* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )

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 (62) 2021212094  
 (72) FITZGERALD, Kevin; QUERBES, William; BUTLER, James; WILLIAMS, Stephanie; LIEBOW, Abigail; HINKLE, Gregory; MAIER, Martin; MILSTEIN, Stuart; KUCHIMANCHI, Satyanarayana; MANOHARAN, Muthiah  
 (74) Griffith Hack

(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2024201770  
 (21) 2024201770 (22) 19.03.2024  
 (54) Complement component iRNA compositions and methods of use thereof

(51) Int. Cl.  
*A61K 31/712* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*A61K 31/713* ( 2006.01 )

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 (62) 2021204655  
 (72) BORODOVSKY, Anna; BETTEN-COURT, Brian  
 (74) Griffith Hack

(71) Alpha Tau Medical Ltd.  
 (11) AU-A-2024202338  
 (21) 2024202338 (22) 11.04.2024  
 (54) Diffusing alpha-emitter radiation therapy for glioblastoma  
 (51) Int. Cl.  
*A61N 5/10* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*A61B 34/10* ( 2016.01 )  
*A61P 35/00* ( 2006.01 )

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 (72) KELSON, Itzhak; KEISARI, Yona; GAT, Amnon; DEN, Robert; MAGEN, Ofer; DOMANKEVICH, Vered; ARAZI, Lior; COOKS, Tomer; HEGER, Guy; DUMANČIĆ, Mirta; LUZ, Ishai; VATARESCU, Maayan Hedva  
 (74) FPA Patent Attorneys Pty Ltd

(71) Alpha Tau Medical Ltd.  
 (11) AU-A-2024202339  
 (21) 2024202339 (22) 11.04.2024  
 (54) Diffusing alpha-emitter radiation therapy for pancreatic cancer  
 (51) Int. Cl.  
*A61N 5/10* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*A61B 34/10* ( 2016.01 )  
*A61P 35/00* ( 2006.01 )

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 (72) KELSON, Itzhak; KEISARI, Yona; GAT, Amnon; DEN, Robert; MAGEN, Ofer; DOMANKEVICH, Vered; ARAZI, Lior; COOKS, Tomer; HEGER, Guy; DUMANČIĆ, Mirta; LUZ, Ishai; VATARESCU, Maayan Hedva  
 (74) FPA Patent Attorneys Pty Ltd

(71) Amgen Inc.  
 (11) AU-A-2024200758  
 (21) 2024200758 (22) 07.02.2024  
 (54) Method of treating or ameliorating metabolic disorders using binding proteins for gastric inhibitory peptide receptor (GIPR) in combination with GLP-1 agonists

(51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 38/26* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )

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 (72) YIE, Junming; SHI, Donghui; LLOYD, David J.; WANG, Jinghong; SIVITS, JR., Glenn N.; VENIANT-ELLISON, Murielle M.; KOMOROWSKI, Renee; AGRAWAL, Neeraj; BATES, Darren L.; CLAVETTE, Brandon C. P.; FOLTZ, Ian N.; HO, Shu-Yin; MURAWSKY, Christopher; MIN, Xiaoshan; WANG, Zhulun  
 (74) Spruson & Ferguson

(71) ANDURIL INDUSTRIES, INC.  
 (11) AU-A-2024202362  
 (21) 2024202362 (22) 11.04.2024  
 (54) Modular system for detecting, tracking and transmitting to identified objects  
 (51) Int. Cl.  
*H01Q 3/26* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2023202807  
 (72) EL-AKKAD, Sam; FISCHER, Christopher; WHITAKER, Travis; PEARSON, Bryden; BERK, Todd; PHAM, Thao; HSU, Jon; DART, Cameron  
 (74) Davies Collison Cave Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024202084  
 (21) 2024202084 (22) 02.04.2024  
 (54) CARD GAME MONITORING SYSTEM  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022202544  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024202228  
 (21) 2024202228 (22) 07.04.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
*G07C 11/00* ( 2006.01 )  
*A47B 25/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (43) 02.05.2024  
 (62) 2022202327  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2024202163  
 (21) 2024202163 (22) 04.04.2024  
 (54) Devices, methods, and graphical user interfaces for interacting with three-dimensional environments  
 (51) Int. Cl.  
*G06F 3/01* ( 2006.01 )  
*G06F 3/03* ( 2006.01 )  
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 (72) FAULKNER, Jeffrey M.; PASTRANA VICENTE, Israel; ROCKEL, Philipp; HOLDER, Wesley M.; CONESA, Pol Pla I.; TILTON, Robert T.; LEMAY, Stephen O.; SORRENTINO III, William A.; BAUERLY, Kristi E. S.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2024202344  
 (21) 2024202344 (22) 11.04.2024  
 (54) Media browsing user interface with intelligently selected representative media items  
 (51) Int. Cl.  
*G06F 16/44* ( 2019.01 )  
*G06F 3/01* ( 2006.01 )  
*G06F 3/0482* ( 2013.01 )  
*G06F 16/54* ( 2019.01 )  
*G06F 16/74* ( 2019.01 )

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 (72) Clarke, Graham R.; Aujoulet, Kevin; Bessiere, Kevin; Bovet, Simon; Circlaey, Eric M.G.; Dellinger, Richard R.; Devine, Lynne; Dye, Alan C.; Gobera Rubalcava, Daniel E.; Hirmer, Benedikt; Karlsson, Andreas; Leblanc, Chelsea; Lucas, Matthieu; Manzari, Johnnie B.; Ryan, Nicole R.; Sorrentino III, William A.; Souza Dos Santos, Andre; Suzuki, Gregg; Tatarchuk, Sergey; Titi, Justin  
 (74) FPA Patent Attorneys Pty Ltd

(71) Aqseptence Group, Inc  
 (11) AU-A-2024202410  
 (21) 2024202410 (22) 12.04.2024  
 (54) ENHANCED SHAPE SUPPORT GRID  
 (51) Int. Cl.  
*B01D 33/23* ( 2006.01 )

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 (72) Wolfe, Edmund M.; Eberhardt, Eugene; Ekholm, Michael Richard; Visekruna, Dusan; Brabec, Dean Gerald; Norell, Robert Glen; Saul, Garth Hayes; Schmitt, Benjamin  
 (74) James & Wells Intellectual Property

(71) ARCHER AVIATION, INC.  
 (11) AU-A-2024202298  
 (21) 2024202298 (22) 10.04.2024  
 (54) SYSTEMS AND METHODS FOR CONTROL ALLOCATION FOR ELECTRIC VERTICAL TAKE-OFF AND LANDING AIRCRAFT  
 (51) Int. Cl.  
*B64C 29/00* ( 2006.01 )  
*B64C 11/30* ( 2006.01 )  
*B64C 11/46* ( 2006.01 )  
*B64C 11/50* ( 2006.01 )  
*B64D 27/24* ( 2006.01 )

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 (72) BOWER, Geoffrey; XUE, Nansi; CHEN, Alan; GOLDMAN, Benjamin; DE-PENBUSCH, Nathan  
 (74) AJ PARK

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024202397  
 (21) 2024202397 (22) 12.04.2024  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
*A63F 13/40* ( 2014.01 )  
 (43) 02.05.2024  
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 (72) FONG, COLIN  
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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024202402  
 (21) 2024202402 (22) 12.04.2024  
 (54) A GAMING DEVICE  
 (51) Int. Cl.  
*A63F 13/45* ( 2014.01 )  
*G07F 17/32* ( 2006.01 )  
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 (74) Griffith Hack

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*E04H 17/16* ( 2006.01 )  
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*F24D 13/02* ( 2006.01 )

*H05B 3/56* ( 2006.01 )  
*B29C 48/07* ( 2019.01 )  
*B29C 48/12* ( 2019.01 )  
*B29L 31/00* ( 2006.01 )  
*B29L 31/18* ( 2006.01 )  
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*A61P 17/00* ( 2006.01 )

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*A61K 31/7048* ( 2006.01 )  
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**G06K 7/10** ( 2006.01 )  
**G07G 1/00** ( 2006.01 )
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**G06V 20/56** ( 2022.01 )  
**G05D 1/628** ( 2024.01 )  
**G06T 7/70** ( 2017.01 )  
**G06V 10/764** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )  
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**A61L 27/34** ( 2006.01 )  
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**A61P 37/06** ( 2006.01 )
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**G06F 15/173** ( 2006.01 )  
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**A61B 18/02** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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**(51)** Int. Cl.  
**H10K 59/12** ( 2023.01 )  
**H10K 50/813** ( 2023.01 )  
**H10K 50/822** ( 2023.01 )  
**H10K 59/122** ( 2023.01 )

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**(51)** Int. Cl.  
**A61F 2/26** ( 2006.01 )  
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**(51)** Int. Cl.  
**B60P 1/42** ( 2006.01 )  
**A01D 90/10** ( 2006.01 )  
**B60D 1/48** ( 2006.01 )  
**B60P 1/38** ( 2006.01 )  
**B65D 88/30** ( 2006.01 )  
**B65D 90/08** ( 2006.01 )  
**B65D 90/20** ( 2006.01 )  
**A01D 90/12** ( 2006.01 )  
**B60D 1/00** ( 2006.01 )  
**B62D 55/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07K 14/62** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
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**(54)** Heavy Vehicle Configuration  
**(51)** Int. Cl.  
**B62D 53/04** ( 2006.01 )  
**B62D 53/06** ( 2006.01 )  
**B62D 53/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**E04B 1/344** ( 2006.01 )  
**E04B 1/343** ( 2006.01 )  
**F16B 5/00** ( 2006.01 )  
**F16B 5/06** ( 2006.01 )  
**F25D 11/00** ( 2006.01 )  
**E04B 7/16** ( 2006.01 )  
**E04H 1/12** ( 2006.01 )  
**F16B 2/06** ( 2006.01 )  
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**(74)** A.P.T. Patent and Trade Mark Attorneys

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**(54)** Method, apparatus and system for encoding and decoding a tensor  
**(51)** Int. Cl.  
**H04N 19/46** ( 2014.01 )  
**G06N 3/02** ( 2006.01 )  
**G06T 9/00** ( 2006.01 )  
**H04N 19/59** ( 2014.01 )  
**H04N 19/85** ( 2014.01 )  
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**(21)** 2022252784 **(22)** 13.10.2022  
**(54)** Method, apparatus and system for encoding and decoding a tensor  
**(51)** Int. Cl.  
**H04N 19/46** ( 2014.01 )  
**G06N 3/02** ( 2006.01 )  
**G06T 9/00** ( 2006.01 )  
**H04N 19/59** ( 2014.01 )  
**H04N 19/85** ( 2014.01 )

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 (51) Int. Cl.  
 G06T 9/00 ( 2006.01 )  
 G06N 3/08 ( 2006.01 )  
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 methods, and graphical user interfaces  
 (51) Int. Cl.  
 H04N 1/60 ( 2006.01 )  
 G09G 3/34 ( 2006.01 )  
 G09G 5/02 ( 2006.01 )  
 H04N 1/56 ( 2006.01 )  
 G06F 3/04847 ( 2022.01 )  
 H04N 1/00 ( 2006.01 )  
 H04N 1/62 ( 2006.01 )

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 (54) Systems and methods for recognising  
 hand-drawn shapes  
 (51) Int. Cl.  
 G06T 7/543 ( 2017.01 )  
 G06F 8/34 ( 2018.01 )  
 G06N 20/00 ( 2019.01 )  
 G06T 9/00 ( 2006.01 )  
 G06T 3/14 ( 2024.01 )  
 G06V 10/70 ( 2022.01 )

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 (54) ADDITIVE MANUFACTURING BASED  
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 (51) Int. Cl.  
 A61L 27/22 ( 2006.01 )  
 A61L 27/24 ( 2006.01 )  
 A61L 27/36 ( 2006.01 )  
 A61L 27/52 ( 2006.01 )  
 B29C 64/10 ( 2017.01 )  
 B29C 64/124 ( 2017.01 )

B29C 64/165 ( 2017.01 )  
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 B62D 55/12 ( 2006.01 )  
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 ING SENSOR DATA SOURCING PAT-  
 TERN BASED ON HEALTH STATUS  
 (51) Int. Cl.  
 B60W 50/029 ( 2012.01 )  
 B60L 3/12 ( 2006.01 )  
 B60W 50/023 ( 2012.01 )  
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 (54) MOBILITY CONTROL FOR MOBILE  
 DRILLING RIG  
 (51) Int. Cl.  
 E21B 7/02 ( 2006.01 )  
 F42D 3/04 ( 2006.01 )  
 G01S 13/89 ( 2006.01 )  
 G01S 15/89 ( 2006.01 )  
 G01S 17/89 ( 2020.01 )  
 G05B 15/02 ( 2006.01 )  
 G05D 1/20 ( 2024.01 )  
 G05D 3/00 ( 2006.01 )  
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 (72) FILION, Stéphane; MOREAU, David  
 (74) FPA Patent Attorneys Pty Ltd

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 G06Q 10/00 ( 2023.01 )  
 G06Q 10/06 ( 2023.01 )

G06Q 10/10 ( 2023.01 )  
 G06Q 40/00 ( 2023.01 )  
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 (54) Apparatus, article of manufacture and  
 methods for purchasing arbitrage  
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 A63F 9/24 ( 2006.01 )  
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 (72) Garrod, Andrew; Puckeridge, David  
 A.; Johal, Paul  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

CHINA TIN GROUP CO., LTD. see CHINA  
 TIN NONFERROUS METALS CO., LTD.  
 (21) 2023237173

(71) CHINA TIN NONFERROUS METALS  
 CO., LTD.; CHINA TIN GROUP CO.,  
 LTD.  
 (11) AU-A-2023237173  
 (21) 2023237173 (22) 05.09.2023  
 (54) PREPARATION METHOD OF IONIC  
 RARE EARTH LEACHING AGENT  
 (51) Int. Cl.  
 C22B 3/18 ( 2006.01 )  
 C22B 3/04 ( 2006.01 )  
 (87) WO2024/008214  
 (31) 202211242468.2 (32) 11.10.22 (33) CN  
 202310367804.4 07.04.23 CN  
 202310367797.8 07.04.23 CN  
 (43) 02.05.2024  
 (72) TAN, Zongyong; LEI, Zhenbin; QIN,  
 Zuoming; LIN, Chengxu; ZHAO, Mingy-  
 ong; TANG, Xiangjun; WANG, Lili; HU,  
 Mingzhen; NONG, Yongping; ZHOU,  
 Deyan  
 (74) Alder IP Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU USURE MINING TECHNOLOGY CO., LTD  
 (11) AU-A-2023251557  
 (21) 2023251557 (22) 01.03.2023  
 (54) METHOD FOR FRACTURING ROCK FORMATION THROUGH FRACTURE NETWORK BASED ON VARIABLE-FREQUENCY PULSE AND DEVICE THEREOF  
 (51) Int. Cl.  
**E21B 43/26** ( 2006.01 )  
 (31) 202211261651.7 (32) 14.10.22 (33) CN  
 (43) 02.05.2024  
 (72) HUANG, Bingxiang; ZHAO, Xinglong; SHAO, Luying; CHEN, Shuliang; XING, Yuekun  
 (74) WRAYS PTY LTD

(71) Chr. Hansen A/S  
 (11) AU-A-2024202396  
 (21) 2024202396 (22) 12.04.2024  
 (54) Lactase enzymes with improved properties  
 (51) Int. Cl.  
**C07K 14/195** ( 2006.01 )  
**C12N 9/38** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022202060  
 (72) RAJ, Hans; SMITH, Pernille; ECKHARDT, Thomas; VOJINOVIC, Vojislav; SCHÖLLER, Charlotte Elisabeth Grüner; VAN DEN BRINK, Johannes Maarten  
 (74) Spruson & Ferguson

(71) Chris Mine Technical Service & Trade Company; Yu, J.; Li, D.  
 (11) AU-A-2022252729  
 (21) 2022252729 (22) 11.10.2022  
 (54) OPEN PIT MINING METHOD FOR PLATEAU TERRAIN RESOURCE  
 (51) Int. Cl.  
**E21C 41/26** ( 2006.01 )  
 (43) 02.05.2024  
 (72) Yu, Junjian  
 (74) Chris Mine Technical Service & Trade Company

(71) CLASSUM Co., Ltd  
 (11) AU-A-2023201618  
 (21) 2023201618 (22) 15.03.2023  
 (54) Method of recommending similar question, and computing device for performing the same  
 (51) Int. Cl.  
**G09B 7/00** ( 2006.01 )  
**G06F 16/332** ( 2019.01 )  
**G06F 16/338** ( 2019.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 5/04** ( 2023.01 )  
 (31) 10-2022-0132727 (32) 14.10.22 (33) KR  
 10-2022-0171902 09.12.22 KR  
 (43) 02.05.2024  
 (72) CHOI, Minseong; LEE, Chaerin; HA, Miyeon  
 (74) Allens Patent & Trade Mark Attorneys

(71) ColdQuanta, Inc.  
 (11) AU-A-2023241267  
 (21) 2023241267 (22) 03.10.2023  
 (54) Run-time quantum-state-carrier cooling  
 (51) Int. Cl.  
**G06N 10/00** ( 2022.01 )  
 (31) 18/373,178 (32) 26.09.23 (33) US  
 63/413,501 05.10.22 US  
 (43) 02.05.2024  
 (72) Noel, Thomas William  
 (74) Griffith Hack

(71) Colgate-Palmolive Company  
 (11) AU-A-2024202181  
 (21) 2024202181 (22) 04.04.2024  
 (54) Viscosity stable SLS free toothpastes containing zinc compounds and arginine  
 (51) Int. Cl.  
**A61K 8/27** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/60** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2020403279  
 (72) POTH, Tilo  
 (74) Spruson & Ferguson

(71) Colorado State University Research Foundation  
 (11) AU-A-2024201488  
 (21) 2024201488 (22) 06.03.2024  
 (54) METHODS AND APPARATUS FOR EFFICIENTLY RENDERING, MANAGING, RECORDING, AND REPLAYING INTERACTIVE, MULTIUSER, VIRTUAL REALITY EXPERIENCES  
 (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**G06T 15/08** ( 2011.01 )  
**G06T 19/00** ( 2011.01 )  
**G06T 19/20** ( 2011.01 )  
**G16H 30/00** ( 2018.01 )  
 (43) 02.05.2024  
 (62) 2019295737  
 (72) CLAPP, Tod Robert; GARBE, Brendan; EITEL, Chad  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) ConforMIS, Inc.  
 (11) AU-A-2024202202  
 (21) 2024202202 (22) 05.04.2024  
 (54) Patient selectable joint arthroplasty devices and surgical tools  
 (51) Int. Cl.  
**A61B 17/15** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021286392  
 (72) Lang, Philipp; Fitz, Wolfgang; Bojarski, Raymond A.; Steines, Daniel; Burdulis Jr., Albert G.; Vargas-Voracek, Rene  
 (74) FB Rice Pty Ltd

(71) ConforMIS, Inc.  
 (11) AU-A-2024202367  
 (21) 2024202367 (22) 11.04.2024  
 (54) Advanced methods, techniques, devices, and systems for cruciate retaining knee implants  
 (51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
**A61F 2/28** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021245173  
 (72) BOJARSKI, Raymond A.; LANG, Philipp; SLAMIN, John; WONG, Terrance  
 (74) FB Rice Pty Ltd

(71) Congreve, A.  
 (11) AU-A-2024202388  
 (21) 2024202388 (22) 11.04.2024  
 (54) Spectator Garment  
 (51) Int. Cl.  
**A41D 3/00** ( 2006.01 )  
**A41D 27/08** ( 2006.01 )  
**A41D 27/20** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021236539  
 (72) Congreve, Adam  
 (74) Sandercock & Cowie

(71) Covenant Eyes, Inc.  
 (11) AU-A-2024202335  
 (21) 2024202335 (22) 11.04.2024  
 (54) Applications, systems and methods to monitor, filter and/or alter output of a computing device  
 (51) Int. Cl.  
**H04N 21/454** ( 2011.01 )  
**G06F 17/00** ( 2019.01 )  
**G06F 21/00** ( 2013.01 )  
**G06T 1/40** ( 2006.01 )  
**H04N 21/45** ( 2011.01 )  
 (43) 02.05.2024  
 (62) 2022203232  
 (72) HOLM, Michael; RIBIERO, Matt; HARMERSLEY, Scott; DEHAAS, Ronald  
 (74) Spruson & Ferguson

(71) Crown Equipment Corporation  
 (11) AU-A-2024202265  
 (21) 2024202265 (22) 09.04.2024  
 (54) Materials handling vehicle and goods storage and retrieval system comprising mobile storage carts, transporters, and materials handling vehicles  
 (51) Int. Cl.  
**B66F 9/07** ( 2006.01 )  
**B65G 1/04** ( 2006.01 )  
**B65G 1/137** ( 2006.01 )  
**B66F 9/06** ( 2006.01 )  
**B66F 9/12** ( 2006.01 )  
**B66F 9/14** ( 2006.01 )  
**B66F 9/18** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021227695  
 (72) OTTO, Matthew J.; GARMANN, Gregory S.; ADDISON, Mark E.  
 (74) Griffith Hack



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(71) CRRC Qishuyan Institute Co., Ltd.  
 (11) AU-A-2024202135  
 (21) 2024202135 (22) 03.04.2024  
 (54) WHEEL DRIVE SYSTEM  
 (51) Int. Cl.  
*F16H 57/029* ( 2012.01 )  
*B60B 11/06* ( 2006.01 )  
*B60B 27/04* ( 2006.01 )  
*B60B 30/06* ( 2006.01 )  
*B60K 7/00* ( 2006.01 )  
*F16J 15/16* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2020347229  
 (72) ZHANG, Zaili; DUAN, Zhenzhong;  
 WANG, Xing; XU, Sha; WANG, Weikang  
 (74) Churchill Attorneys

(71) CSR Building Products Limited  
 (11) AU-A-2024202203  
 (21) 2024202203 (22) 05.04.2024  
 (54) Extended Length Panels  
 (51) Int. Cl.  
*E04C 2/06* ( 2006.01 )  
*E04C 2/26* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2018200743  
 (72) GRABHAM, Timothy Mark; ZEBIB, Steve  
 (74) Griffith Hack

(71) Curtis, S.  
 (11) AU-A-2022252816  
 (21) 2022252816 (22) 14.10.2022  
 (54) BEVERAGE DISPLAY APPARATUS  
 (51) Int. Cl.  
*A47F 7/28* ( 2006.01 )  
*A47B 73/00* ( 2006.01 )  
*A47G 23/02* ( 2006.01 )  
*B65D 71/54* ( 2006.01 )  
 (43) 02.05.2024  
 (72) Curtis, Simon  
 (74) Flint Intellectual Property Limited

(71) Dart Industries Inc.  
 (11) AU-A-2023222906  
 (21) 2023222906 (22) 31.08.2023  
 (54) SERVING DISH COVER  
 (51) Int. Cl.  
*A47G 23/04* ( 2006.01 )  
*A47G 19/12* ( 2006.01 )  
*A47J 47/02* ( 2006.01 )  
*A47J 47/14* ( 2006.01 )  
 (31) 17/961,503 (32) 06.10.22 (33) US  
 (43) 02.05.2024  
 (72) Yee, Teo Sok; Vercruyssen, Alec; Lorré, Arthur  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) DataInfoCom USA, Inc.  
 (11) AU-A-2024202124  
 (21) 2024202124 (22) 03.04.2024  
 (54) SYSTEMS AND METHODS FOR PRO-CESSING CLAIMS  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )

(43) 02.05.2024  
 (62) 2021200862  
 (72) Wang, Wensu; Wang, Chun; Wei, Zhiyong; Cheng, Wanli; Gao, Kuikui; Sun, Yuhao; Nazir, Mubbashir; Thielke, Rick  
 (74) James & Wells Intellectual Property

(71) DataInfoCom USA, Inc.  
 (11) AU-A-2024202125  
 (21) 2024202125 (22) 03.04.2024  
 (54) SYSTEMS AND METHODS FOR PRO-CESSING CLAIMS  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
 (43) 02.05.2024  
 (62) 2022204188  
 (72) Wang, Wensu; Wang, Chun; Wei, Zhiyong; Cheng, Wanli; Gao, Kuikui; Sun, Yuhao; Nazir, Mubbashir; Thielke, Rick  
 (74) James & Wells Intellectual Property

(71) Decarbtek Global Corp.  
 (11) AU-A-2023251415  
 (21) 2023251415 (22) 17.10.2023  
 (54) METHODS AND SYSTEMS FOR EFFICIENTLY AND CLEANLY MANUFACTURING AMMONIA, AMMONIUM SULFATE, NITRIC ACID, AMMONIUM NITRATE, OR COMBINATIONS THEREOF FROM COAL AND PETCOKE PRODUCTS  
 (51) Int. Cl.  
*C01B 3/02* ( 2006.01 )  
*C01C 1/04* ( 2006.01 )  
*C10B 53/00* ( 2006.01 )  
*C10J 3/00* ( 2006.01 )  
 (31) 63/416,848 (32) 17.10.22 (33) US  
 (43) 02.05.2024  
 (72) Gil, Henry; Squires, Andrew  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Deciphera Pharmaceuticals, LLC  
 (11) AU-A-2024202088  
 (21) 2024202088 (22) 02.04.2024  
 (54) 2-AMINOPYRIMIDIN-6-ONES AND ANALOGS EXHIBITING ANTI-CANCER AND ANTI-PROLIFERATIVE ACTIVITIES  
 (51) Int. Cl.  
*C07D 401/14* ( 2006.01 )  
*A61K 31/4375* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022204166  
 (72) Kaufman, Michael D.; Flynn, Daniel L.; Ahn, Yu Mi; Vogeti, Lakshminarayana; Caldwell, Timothy Malcolm  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023226687  
 (21) 2023226687 (22) 06.09.2023  
 (54) Multiplex air system  
 (51) Int. Cl.  
*A01C 7/10* ( 2006.01 )  
*A01C 7/08* ( 2006.01 )  
 (31) 17/965192 (32) 13.10.22 (33) US

(43) 02.05.2024  
 (72) Harmon, Andrew W.; Spyropoulos, Amanda D.; Hayes, Jared A.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023226709  
 (21) 2023226709 (22) 07.09.2023  
 (54) Wing flex assemblies for agricultural implements  
 (51) Int. Cl.  
*A01B 73/04* ( 2006.01 )  
 (31) 17/962826 (32) 10.10.22 (33) US  
 (43) 02.05.2024  
 (72) Garner, Elijah B.; Dhobale, Dnyanesh K.; Natarajan, Kamalakannan; Harmon, Andrew W.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023226722  
 (21) 2023226722 (22) 07.09.2023  
 (54) Harvesting machine having non-circular extractor cleaning chamber  
 (51) Int. Cl.  
*A01D 45/10* ( 2006.01 )  
*A01D 43/08* ( 2006.01 )  
 (31) 63/414041 (32) 07.10.22 (33) US  
 18/366435 07.08.23 US  
 (43) 02.05.2024  
 (72) Hansen, Matthew J.; Mixon, Dusk S.; Rodrigue, Todd J.; Louviere, Mark S.; Young, Jae-Jae; Fields, Brian J.  
 (74) Davies Collison Cave Pty Ltd

(71) DePuy Synthes Products, Inc.  
 (11) AU-A-2024202243  
 (21) 2024202243 (22) 08.04.2024  
 (54) Bone plate with form-fitting variable-angle locking hole  
 (51) Int. Cl.  
*A61B 17/80* ( 2006.01 )  
*A61B 17/86* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2019240189  
 (72) BOSSHARD, Simon M.; RUSH, Jesse; MCGURK, Michael; KEEGAN, Christopher  
 (74) Spruson & Ferguson

(71) DermR Health Solutions Pty Ltd  
 (11) AU-A-2024202242  
 (21) 2024202242 (22) 08.04.2024  
 (54) MINIMALLY INVASIVE SKIN SAMPLE COLLECTION APPARATUS  
 (51) Int. Cl.  
*A61B 10/02* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021390587  
 (72) MAZY, Stefan  
 (74) Halfords IP

(71) Dexcom, Inc.  
 (11) AU-A-2024202185  
 (21) 2024202185 (22) 04.04.2024

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- (54) Continuous analyte monitoring system power conservation  
 (51) Int. Cl.  
**G06F 1/32** ( 2019.01 )  
 (43) 02.05.2024  
 (62) 2022218594  
 (72) LIEU, Pauline T.; HERNANDEZ-ROSAS, Jose Hector; BURNETTE, Douglas William; WEDEKIND, Jeffrey R.; DERVAES, Mark; GRUCELA, Minda Mcdorman; MCDANIEL, Zebediah L.  
 (74) FB Rice Pty Ltd
- 
- (71) Differential Dynamics Corporation; Han, K.S.  
 (11) AU-A-2024202456  
 (21) 2024202456 (22) 15.04.2024  
 (54) SCALABLE AND EFFICIENT MECHANICAL SPEED CONVERTER-CONTROLLED WIND AND HYDROKINETIC TURBINES  
 (51) Int. Cl.  
**F16H 61/48** ( 2006.01 )  
**F03D 15/10** ( 2016.01 )  
**F16H 1/20** ( 2006.01 )  
**F16H 41/24** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2019416124  
 (72) HAN, Kyung Soo  
 (74) James & Wells Intellectual Property
- 
- (71) Dignity Health  
 (11) AU-A-2024202139  
 (21) 2024202139 (22) 03.04.2024  
 (54) Novel treatment for hot flushes  
 (51) Int. Cl.  
**A61K 31/17** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2018297270  
 (72) ROMANOVSKY, Andrej  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Dolby International AB  
 (11) AU-A-2024202301  
 (21) 2024202301 (22) 10.04.2024  
 (54) Integration of high frequency audio reconstruction techniques  
 (51) Int. Cl.  
**G10L 21/0388** ( 2013.01 )  
**G10L 19/02** ( 2013.01 )  
**G10L 19/24** ( 2013.01 )  
 (43) 02.05.2024  
 (62) 2019258524  
 (72) KJOERLING, Kristofer; VILLEMOS, Lars; PURNHAGEN, Heiko; EKSTRAND, Per  
 (74) Spruson & Ferguson
- 
- (71) Dolby International AB  
 (11) AU-A-2024202352  
 (21) 2024202352 (22) 11.04.2024  
 (54) Integration of high frequency audio reconstruction techniques
- (51) Int. Cl.  
**G10L 21/0388** ( 2013.01 )  
**G10L 19/02** ( 2013.01 )  
**G10L 19/24** ( 2013.01 )  
 (43) 02.05.2024  
 (62) 2019258524  
 (72) KJOERLING, Kristofer; VILLEMOS, Lars; PURNHAGEN, Heiko; EKSTRAND, Per  
 (74) Spruson & Ferguson
- 
- (71) Eddy Current Limited Partnership  
 (11) AU-A-2024202098  
 (21) 2024202098 (22) 02.04.2024  
 (54) Tuning of a Kinematic Relationship Between Members  
 (51) Int. Cl.  
**H02K 49/04** ( 2006.01 )  
**B60L 7/28** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022202242  
 (72) DIEHL, Andrew Karl; ALLINGTON, Christopher James  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Eddy Current Limited Partnership  
 (11) AU-A-2024202100  
 (21) 2024202100 (22) 02.04.2024  
 (54) An Assembly to Control or Govern Relative Speed of Movement Between Parts  
 (51) Int. Cl.  
**H02K 49/04** ( 2006.01 )  
**H02K 49/02** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022218456  
 (72) Diehl, Andrew Karl; Wright, Kevin A.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Eden Paving Group Pty Ltd  
 (11) AU-A-2023202683  
 (21) 2023202683 (22) 02.05.2023  
 (54) A PROCESS FOR THE RECYCLING OF TEXTILE WASTE MATERIALS  
 (51) Int. Cl.  
**B29C 70/42** ( 2006.01 )  
**B09B 3/24** ( 2022.01 )  
**B09B 3/35** ( 2022.01 )  
**B29C 70/12** ( 2006.01 )
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- (71) Edico Genome, Corp.  
 (11) AU-A-2024201692  
 (21) 2024201692 (22) 14.03.2024  
 (54) BIOINFORMATICS SYSTEMS, APPARATUS, AND METHODS EXECUTED ON AN INTEGRATED CIRCUIT PROCESSING PLATFORM  
 (51) Int. Cl.  
**C40B 60/10** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022201429  
 (72) Van Rooyen, Pieter; Ruehle, Michael; Mehio, Rami; Hahm, Mark  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) E Ink Corporation  
 (11) AU-A-2024202428  
 (21) 2024202428 (22) 13.04.2024  
 (54) ENHANCED PUSH-PULL (EPP) WAVEFORMS FOR ACHIEVING PRIMARY COLOR SETS IN MULTI-COLOR ELECTROPHORETIC DISPLAYS  
 (51) Int. Cl.  
**G09G 3/34** ( 2006.01 )  
**G02F 1/167** ( 2019.01 )  
**G09G 3/20** ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021368779  
 (72) DELIWALA, Amit  
 (74) RnB IP Pty Ltd
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- (71) Electrolux Appliances Aktiebolag  
 (11) AU-A-2023214238  
 (21) 2023214238 (22) 08.08.2023  
 (54) OVEN  
 (51) Int. Cl.  
**H05B 6/76** ( 2006.01 )  
**H05B 6/00** ( 2006.01 )  
 (31) 22200315.4 (32) 07.10.22 (33) EP  
 (43) 02.05.2024  
 (72) SPECHT, Trevor; WEBER, Mario; ZIEGLER, Sascha  
 (74) Halfords IP
- 
- (71) Emory University  
 (11) AU-A-2024202195  
 (21) 2024202195 (22) 05.04.2024  
 (54) Chemokine CXCR4 receptor modulators and uses related thereto  
 (51) Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )

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- (43) 02.05.2024  
(62) 2018225556  
(72) LIOTTA, Dennis C; JECS, Edgars; WILSON, Robert James; NGUY-EN, Huy Hoang; KIM, Michelle Bora; WILSON, Lawrence; MILLER, Eric James; TAHIROVIC, Yesim Altas; TRU-AX, Valarie; KAISER, Thomas  
(74) Spruson & Ferguson
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- (71) Energys Australia Pty Ltd  
(11) AU-A-2022246436  
(21) 2022246436 (22) 06.10.2022  
(54) MODULAR ENERGY GENERATION UNIT  
(51) Int. Cl.  
H01M 8/249 ( 2016.01 )  
H01M 8/04223 ( 2016.01 )  
H01M 8/2457 ( 2016.01 )  
H01M 8/2484 ( 2016.01 )  
H01M 8/04089 ( 2016.01 )  
H01M 8/0438 ( 2016.01 )  
(43) 02.05.2024  
(72) Pearn-Rowe, Sam; De Gois, James; Waugh, Greg; Varga, Joe; Helps, Simon; Marin, Simon; Tafazolymotie, Parisa; Varghese, Melvin; Henderson, Michael; Dunlop, Noel  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Epizyme, Inc.  
(11) AU-A-2024202398  
(21) 2024202398 (22) 12.04.2024  
(54) Inhibition of SMARCA2 for treatment of cancer  
(51) Int. Cl.  
A61K 31/70 ( 2006.01 )  
A61K 31/7088 ( 2006.01 )  
A61K 38/00 ( 2006.01 )  
C07H 21/02 ( 2006.01 )  
C07H 21/04 ( 2006.01 )  
C12N 5/00 ( 2006.01 )  
(43) 02.05.2024  
(62) 2018227774  
(72) Grassian, Alexandra Rose; Drew, Allison  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) EPTA S.p.A.  
(11) AU-A-2023241379  
(21) 2023241379 (22) 06.10.2023  
(54) VAPOUR COMPRESSION REFRIGERATION SYSTEM WITH ROTARY PRESSURE EXCHANGER AND MANAGEMENT METHOD OF SUCH A SYSTEM  
(51) Int. Cl.  
F25B 1/00 ( 2006.01 )  
(31) 102022000020811 (32) 10.10.22 (33) IT  
(43) 02.05.2024  
(72) Trabucchi, Stefano; Mazzola, Daniele; Varela Chaparro, Ignacio  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) EquipmentShare.com Inc.  
(11) AU-A-2024202259  
(21) 2024202259 (22) 09.04.2024  
(54) System and method for autonomous operation of a machine  
(51) Int. Cl.  
G05D 1/02 ( 2020.01 )  
G05D 1/10 ( 2006.01 )  
G05D 3/12 ( 2006.01 )  
(43) 02.05.2024  
(62) 2022202920  
(72) SCHLACKS IV, William J; ADAMS, Brian; DIANICS, James; GRAVES, Ian; MARTIN, Rob; PFURSICH, Scott  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EquipmentShare.com Inc.  
(11) AU-A-2024202260  
(21) 2024202260 (22) 09.04.2024  
(54) System and method for autonomous operation of a machine  
(51) Int. Cl.  
G05D 1/02 ( 2020.01 )  
G05D 1/10 ( 2006.01 )  
G05D 3/12 ( 2006.01 )  
(43) 02.05.2024  
(62) 2022202920  
(72) SCHLACKS IV, William J.; ADAMS, Brian; DIANICS, James; GRAVES, Ian; MARTIN, Rob; PFURSICH, Scott  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EquipmentShare.com Inc.  
(11) AU-A-2024202261  
(21) 2024202261 (22) 09.04.2024  
(54) System and method for autonomous operation of a machine  
(51) Int. Cl.  
G05D 1/02 ( 2020.01 )  
G05D 1/10 ( 2006.01 )  
G05D 3/12 ( 2006.01 )  
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(62) 2022202920  
(72) SCHLACKS IV, William J.; ADAMS, Brian; DIANICS, James; GRAVES, Ian; MARTIN, Rob; PFURSICH, Scott  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EquipmentShare.com Inc.  
(11) AU-A-2024202262  
(21) 2024202262 (22) 09.04.2024  
(54) System and method for autonomous operation of a machine  
(51) Int. Cl.  
G05D 1/02 ( 2020.01 )  
G05D 1/10 ( 2006.01 )  
G05D 3/12 ( 2006.01 )  
(43) 02.05.2024  
(62) 2022202920  
(72) SCHLACKS IV, William J.; ADAMS, Brian; DIANICS, James; GRAVES, Ian; MARTIN, Rob; PFURSICH, Scott  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Esperion Therapeutics, Inc.  
(11) AU-A-2024202106  
(21) 2024202106 (22) 02.04.2024  
(54) Fixed dose combinations and formulations comprising ETC1002 and Ezetimibe and methods of treating or reducing the risk of cardiovascular disease  
(51) Int. Cl.  
A61K 31/194 ( 2006.01 )  
A61K 31/397 ( 2006.01 )  
(43) 02.05.2024  
(62) 2021218120  
(72) NEWTON, Roger Schofield; ROSENBERG, Noah Laban; MACDOUGALL, Diane Elaine  
(74) FB Rice Pty Ltd
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- (71) Filip Sedic  
(11) AU-A-2024202123  
(21) 2024202123 (22) 03.04.2024  
(54) Skin cleanser  
(51) Int. Cl.  
A47K 7/04 ( 2006.01 )  
A61H 23/02 ( 2006.01 )  
(43) 02.05.2024  
(62) 2022201393  
(72) SEDIC, Filip  
(74) FB Rice Pty Ltd
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- (71) Fisher & Paykel Healthcare Limited  
(11) AU-A-2024202127  
(21) 2024202127 (22) 03.04.2024  
(54) A Humidification Device and System  
(51) Int. Cl.  
A61M 16/16 ( 2006.01 )  
(43) 02.05.2024  
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(72) Budhiraja, Nimansha; Darby, Adam John; Bothma, Johannes Nicolaas; Hamilton, Mark Samuel; Kuriger, Donald Roy; Yatsevich, Igor Olegovich  
(74) Catalyst Intellectual Property
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- (71) Fisher & Paykel Healthcare Limited  
(11) AU-A-2024202309  
(21) 2024202309 (22) 10.04.2024  
(54) A TUBE SECUREMENT SYSTEM  
(51) Int. Cl.  
A61J 15/00 ( 2006.01 )  
A61M 16/00 ( 2006.01 )  
A61M 25/02 ( 2006.01 )  
(43) 02.05.2024  
(62) 2021286400  
(72) Gulliver, Laurence; Hopkins, Caroline Geraldine; Duthie, Neil Gray  
(74) AJ PARK
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- (71) Fisher & Paykel Healthcare Limited  
(11) AU-A-2024202442  
(21) 2024202442 (22) 15.04.2024  
(54) Overmolded Textile Cushion  
(51) Int. Cl.  
A61M 16/06 ( 2006.01 )  
A61M 16/08 ( 2006.01 )  
(43) 02.05.2024  
(62) 2018227305  
(72) Bornholdt, Melissa Catherine; Walls, Bruce Michael  
(74) Catalyst Intellectual Property
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 (11) AU-A-2024202342  
 (21) 2024202342 (22) 11.04.2024  
 (54) BREATHING ASSISTANCE APPARATUS  
 (51) Int. Cl.  
 A61M 16/00 ( 2006.01 )  
 A61M 16/16 ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021254643  
 (72) Van Schalkwyk, Andre; Salmon, Andrew Paul Maxwell; Lawson, Joel Michael; Burgess, Russel William; Lawrence, Cameron Alexander; Miller, Rachel Adeline; Barker, Dean Antony; Hawkins, Peter Geoffrey; Meisel, Ella Marie; McKnight, Eamonn Bernard; O'Donnell, Kevin Peter; Han, Jae Chul  
 (74) AJ PARK

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(71) Fox Sports Productions, LLC  
 (11) AU-A-2024202174  
 (21) 2024202174 (22) 04.04.2024  
 (54) Selective capture and presentation of native image portions  
 (51) Int. Cl.  
 G09G 5/391 ( 2006.01 )  
 H04N 7/01 ( 2006.01 )  
 H04N 21/2343 ( 2011.01 )  
 (43) 02.05.2024  
 (62) 2022201303  
 (72) DAVIES, Michael; STEINBERG, Gerald; SHANKS, David Eric  
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 (54) Loudness control for user interactivity in audio coding systems  
 (51) Int. Cl.  
 G10L 19/008 ( 2013.01 )  
 (43) 02.05.2024  
 (62) 2021290313  
 (72) KÜCH, Fabian; UHLE, Christian; KRATSCHMER, Michael; NEUGEBAUER, Bernhard; MEIER, Michael  
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 (11) AU-A-2023233144  
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 (51) Int. Cl.  
 A61B 17/122 ( 2006.01 )  
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 (31) 18/462,007 (32) 06.09.23 (33) US 63/416,186 14.10.22 US  
 (43) 02.05.2024  
 (72) STARKWEATHER, Jennifer; SUBRAMANYA, Tejasvi; VAUGHN, Talia; ROGERS, Theresa; NAZAROFF, Evan  
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(21) 2024202468

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(71) Gas Technology Institute  
 (11) AU-A-2024202113  
 (21) 2024202113 (22) 03.04.2024  
 (54) Processes and systems for reforming of methane and light hydrocarbons to liquid hydrocarbon fuels  
 (51) Int. Cl.  
 C10G 45/64 ( 2006.01 )  
 B01J 23/08 ( 2006.01 )  
 C01B 3/38 ( 2006.01 )  
 C10G 1/06 ( 2006.01 )  
 C10G 2/00 ( 2006.01 )  
 (43) 02.05.2024  
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 (72) MARKER, Terry L.; LINCK, Martin B.; WANGEROW, Jim; ORTIZ-TORAL, Pedro  
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 (54) Sanitary system  
 (51) Int. Cl.  
 G05B 13/02 ( 2006.01 )  
 A47K 4/00 ( 2006.01 )  
 A47K 5/00 ( 2006.01 )  
 E03D 5/10 ( 2006.01 )  
 G05B 1/01 ( 2006.01 )  
 G05B 11/01 ( 2006.01 )  
 G05B 15/02 ( 2006.01 )  
 G05B 19/042 ( 2006.01 )  
 (31) 22 201 081.1 (32) 12.10.22 (33) EP  
 (43) 02.05.2024  
 (72) Raissle, Daniel  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Gekko Systems Pty Ltd  
 (11) AU-A-2024202182  
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 (54) A Sensor System  
 (51) Int. Cl.  
 G01N 1/10 ( 2006.01 )  
 C22B 3/24 ( 2006.01 )  
 C22B 11/08 ( 2006.01 )  
 G01N 1/28 ( 2006.01 )  
 G01N 9/36 ( 2006.01 )  
 G01N 15/00 ( 2006.01 )  
 G01N 33/00 ( 2006.01 )  
 G01N 33/24 ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2018310744  
 (72) LEWIS-GRAY, Alexander Hamilton  
 (74) Anderson IP

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(71) Genisphere LLC  
 (11) AU-A-2024202345  
 (21) 2024202345 (22) 11.04.2024  
 (54) Nucleic acid carriers and therapeutic methods of use  
 (51) Int. Cl.  
 A61K 38/14 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
 C07H 21/00 ( 2006.01 )

(43) 02.05.2024  
 (62) 2017220012  
 (72) Getts, Robert C.; Kadushin, James M.; Getts, Lori  
 (74) Davies Collison Cave Pty Ltd

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(71) Geomni, Inc.  
 (11) AU-A-2024202415  
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 (54) Systems and methods for rapidly developing annotated computer models of structures  
 (51) Int. Cl.  
 G06T 19/00 ( 2011.01 )  
 G06Q 40/08 ( 2012.01 )  
 G06T 17/05 ( 2011.01 )  
 G06V 20/64 ( 2022.01 )  
 (43) 02.05.2024  
 (62) 2018364813  
 (72) HARRIS, Dave; RICHARDSON, Ron; REED, Corey David; LEWIS, Jeffery Devon; TAYLOR, Jeffrey Clayton  
 (74) Davies Collison Cave Pty Ltd

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(71) GINLONG TECHNOLOGIES CO., LTD.  
 (11) AU-A-2023339437  
 (21) 2023339437 (22) 24.08.2023  
 (54) PID EFFECT SUPPRESSION SYSTEM  
 (51) Int. Cl.  
 H02J 3/38 ( 2006.01 )  
 H02S 40/30 ( 2014.01 )  
 H02S 50/00 ( 2014.01 )  
 (31) 202211209201.3 (32) 30.09.22 (33) CN  
 (43) 02.05.2024  
 (72) ZHANG, Wenping; WANG, Yiming; XU, Po; LIN, Wanshuang; LIU, Baosong  
 (74) Remarkable IP

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(71) GINLONG TECHNOLOGIES CO., LTD.  
 (11) AU-A-2023348038  
 (21) 2023348038 (22) 05.09.2023  
 (54) ENERGY STORAGE SYSTEM CONTROL METHOD, DEVICE AND ENERGY STORAGE SYSTEM  
 (51) Int. Cl.  
 H02J 3/01 ( 2006.01 )  
 H02J 3/32 ( 2006.01 )  
 H02J 3/38 ( 2006.01 )  
 (31) 202211256365.1 (32) 14.10.22 (33) CN  
 (43) 02.05.2024  
 (72) ZHANG, Wenping; WANG, Yiming; XU, Po; ZHOU, Dong; CHENG, Kun; Ji, Jianqiang  
 (74) Madderns Pty Ltd

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(71) Global Specimen Solutions, Inc.  
 (11) AU-A-2024202341  
 (21) 2024202341 (22) 11.04.2024  
 (54) A METHOD AND SYSTEM FOR CO-DIFFUSION, TRACKING, AND USE OF INFORMED CONSENT DATA FOR HUMAN SPECIMEN RESEARCH  
 (51) Int. Cl.  
 G06Q 50/22 ( 2018.01 )

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(72) Wall Warner, Amelia; Collins, Mark Anthony  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Golden Solar (Quanzhou) New Energy Technology Co., Ltd.  
(11) AU-A-2023201491  
(21) 2023201491 (22) 09.03.2023  
(54) MASK-LAYER-FREE HYBRID PASSIVATION BACK CONTACT CELL AND FABRICATION METHOD THEREOF  
(51) Int. Cl.  
H01L 31/072 ( 2012.01 )  
H01L 21/04 ( 2006.01 )  
H01L 31/0216 ( 2014.01 )  
H01L 31/18 ( 2006.01 )  
(31) 202211237896.6 (32) 11.10.22 (33) CN  
(43) 02.05.2024  
(72) LIN, Kairui  
(74) Discover IP
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- (71) Grail, LLC  
(11) AU-A-2024202146  
(21) 2024202146 (22) 03.04.2024  
(54) METHODS OF IDENTIFYING SOMATIC MUTATIONAL SIGNATURES FOR EARLY CANCER DETECTION  
(51) Int. Cl.  
C12Q 1/6886 ( 2018.01 )  
G16B 20/00 ( 2019.01 )  
G16B 30/00 ( 2019.01 )  
(43) 02.05.2024  
(62) 2017355732  
(72) Venn, Oliver Claude  
(74) James & Wells Intellectual Property
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- (71) Grand Performance Online Pty Ltd  
(11) AU-A-2024202217  
(21) 2024202217 (22) 05.04.2024  
(54) A computer-enabled method, system and computer program for dynamically altering constraints utilised in the management of a space, furniture, equipment or service  
(51) Int. Cl.  
G06Q 50/12 ( 2012.01 )  
G06Q 10/02 ( 2012.01 )  
(43) 02.05.2024  
(62) 2020264422  
(72) PETROULAS, Peter  
(74) Spruson & Ferguson
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- (71) Grand Performance Online Pty Ltd  
(11) AU-A-2024202222  
(21) 2024202222 (22) 05.04.2024  
(54) A computer-enabled method, system and computer program for providing an intuitive user interface arranged to create a dynamic floor plan utilisable by an allocation algorithm to perform the task of allocating a space, furniture, equipment or service  
(51) Int. Cl.  
G06Q 50/12 ( 2012.01 )  
G06Q 10/02 ( 2012.01 )
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- (71) HBI Branded Apparel Enterprises, LLC  
(11) AU-A-2023248148  
(21) 2023248148 (22) 12.10.2023  
(54) Garment waistband  
(51) Int. Cl.
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- (71) Harris, M.  
(11) AU-A-2023216839  
(21) 2023216839 (22) 07.10.2023  
(54) Aerodynamic Air Flow E Aerodynamic EV Charging  
(51) Int. Cl.  
B60L 8/00 ( 2006.01 )  
B60K 16/00 ( 2020.01 )  
B60R 9/04 ( 2006.01 )  
F03D 3/00 ( 2006.01 )  
F03D 3/02 ( 2006.01 )  
F03D 9/32 ( 2016.01 )  
B60R 11/00 ( 2006.01 )  
F03D 9/11 ( 2016.01 )  
(31) 2022902926 (32) 07.10.22 (33) AU  
(43) 02.05.2024  
(72) Harris, Mark  
(74) Mark Christopher Harris
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- (71) Hawthorne Holdings Pty Ltd  
(11) AU-A-2023241288  
(21) 2023241288 (22) 04.10.2023  
(54) AN ACCESS CHAMBER  
(51) Int. Cl.  
E03F 5/02 ( 2006.01 )  
E02D 29/12 ( 2006.01 )  
(31) 2022902897 (32) 05.10.22 (33) AU  
(43) 02.05.2024  
(72) HOBBS, Andrew  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) HD3 Limited  
(11) AU-A-2024202363  
(21) 2024202363 (22) 11.04.2024  
(54) Hair Styling Device, Hair Styling method And Drive System  
(51) Int. Cl.  
A45D 2/40 ( 2006.01 )  
A45D 1/06 ( 2006.01 )  
A45D 7/02 ( 2006.01 )  
(43) 02.05.2024  
(62) 2018351887  
(72) DEBENEDICTIS, Alfredo; HARRIS, Martin Malcolm; HOLLAND, Janusz Lucien; HUGHES, Mark Christopher; NELSON, James Robert  
(74) Anderson-Taylor & Associates
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- (71) Hiroshima University; Kyushu University, National University Corporation  
(11) AU-A-2024202150  
(21) 2024202150 (22) 04.04.2024  
(54) DNA-BINDING PROTEIN USING PPR MOTIF, AND USE THEREOF  
(51) Int. Cl.  
C07K 14/415 ( 2006.01 )  
C07K 4/10 ( 2006.01 )  
C07K 19/00 ( 2006.01 )  
C12N 9/16 ( 2006.01 )  
C12Q 1/68 ( 2018.01 )  
(43) 02.05.2024  
(62) 2022202757  
(72) YAMAMOTO, Takashi; SAKUMA, Tetsushi; NAKAMURA, Takahiro; YAGI, Yusuke; OKAWA, Yasuyuki  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Hivestack Inc.  
(11) AU-A-2024202405  
(21) 2024202405 (22) 12.04.2024  
(54) Out of home digital ad server  
(51) Int. Cl.  
G06Q 30/02 ( 2023.01 )  
(43) 02.05.2024  
(62) 2022202502  
(72) Lizotte, Vincent; Soupliotis, Andreas; De Gaspe Beaubien, Francois; Troel, Pierre-Yves; Cotugno, Giuseppe  
(74) Griffith Hack
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- (71) Hologic, Inc.  
(11) AU-A-2024202329  
(21) 2024202329 (22) 10.04.2024  
(54) Breast compression paddle with access corners  
(51) Int. Cl.  
A61B 6/04 ( 2006.01 )  
(43) 02.05.2024  
(62) 2018313272  
(72) BANKS, Melissa; BERKO, Mallory; CABLE, Frank; PATEL, Tarpit; DE-

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Timothy R.

(74) FB Rice Pty Ltd

(71) Huang, V.

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(54) Battery recycling

(51) Int. Cl.

*B03C 1/00* ( 2006.01 )

*B03C 1/005* ( 2006.01 )

*B03C 1/247* ( 2006.01 )

*C22B 1/00* ( 2006.01 )

*C22B 23/02* ( 2006.01 )

*B02C 23/00* ( 2006.01 )

*H01M 10/54* ( 2006.01 )

(31) 2022902909 (32) 06.10.22 (33) AU

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(72) HUANG, Vincent

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(71) Huawei Technologies Co., Ltd.

(11) AU-A-2024202115

(21) 2024202115 (22) 03.04.2024

(54) SUB-PICTURE LAYOUT SIGNALING  
IN VIDEO CODING

(51) Int. Cl.

*H04N 19/436* ( 2014.01 )

*H04N 19/17* ( 2014.01 )

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(62) 2020206246

(72) Wang, Ye-Kui; Hendry, Fnu

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.

(11) AU-A-2024202116

(21) 2024202116 (22) 03.04.2024

(54) RESOURCE ALLOCATION METHOD,  
COMMUNICATION APPARATUS AND  
RELATED DEVICE

(51) Int. Cl.

*H04W 72/04* ( 2023.01 )

(43) 02.05.2024

(62) 2021205564

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(71) Hunter Douglas Industries B.V.

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(54) Mounting element for mounting an ar-  
chitectural covering between opposing  
mounting surfaces

(51) Int. Cl.

*E06B 9/32* ( 2006.01 )

*A47H 1/13* ( 2006.01 )

*E06B 9/42* ( 2006.01 )

(43) 02.05.2024

(62) 2018203967

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MANN, Katharina

(74) Spruson & Ferguson

(71) IDEMIA France

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(21) 2024202326 (22) 10.04.2024

(54) Mobile payment roaming

(51) Int. Cl.

*G06Q 20/38* ( 2012.01 )

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*G06Q 20/36* ( 2012.01 )

(43) 02.05.2024

(62) 2018283198

(72) MAKHOTIN, M. Oleg; ELHAOUSSINE,  
M. Mehdi

(74) FPA Patent Attorneys Pty Ltd

(71) IG6 Pty Ltd

(11) AU-A-2024202110

(21) 2024202110 (22) 02.04.2024

(54) IMPROVEMENTS TO FIRE COLLARS

(51) Int. Cl.

*E04G 15/06* ( 2006.01 )

*A62C 2/06* ( 2006.01 )

*E04G 21/18* ( 2006.01 )

*F16L 5/04* ( 2006.01 )

(43) 02.05.2024

(62) 2018228278

(72) Vardy, Benjamin James; Denovan,  
Marc Jason

(74) Ahearn Fox

(71) IGT

(11) AU-A-2023229573

(21) 2023229573 (22) 15.09.2023

(54) FRONT MONEY ACCOUNT INTEG-  
RATED WITH GAMING ESTABLISH-  
MENT ACCOUNT MANAGEMENT  
SYSTEM

(51) Int. Cl.

*G06Q 20/26* ( 2012.01 )

*G06Q 30/04* ( 2012.01 )

*G07F 17/32* ( 2006.01 )

(31) 17/964,654 (32) 12.10.22 (33) US

(43) 02.05.2024

(72) Shepherd, Jeffery; Higgins, Kevin

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Illinois Tool Works Inc.

(11) AU-A-2023232282

(21) 2023232282 (22) 18.09.2023

(54) ROOFING FASTENER

(51) Int. Cl.

*F16B 15/06* ( 2006.01 )

*E04B 7/02* ( 2006.01 )

*F16B 15/02* ( 2006.01 )

(31) 2022903036 (32) 17.10.22 (33) AU

(43) 02.05.2024

(72) Young, Graeme Laurence

(74) Davies Collison Cave Pty Ltd

(71) INCREDO LTD

(11) AU-A-2024202214

(21) 2024202214 (22) 05.04.2024

(54) SWEETENER FORMULATIONS

(51) Int. Cl.

*A23L 29/30* ( 2016.01 )

*A21D 2/18* ( 2006.01 )

*A21D 2/26* ( 2006.01 )

*A21D 13/062* ( 2017.01 )

*A23D 7/00* ( 2006.01 )

*A23L 27/30* ( 2016.01 )

*A23L 33/125* ( 2016.01 )

(43) 02.05.2024

(62) PCT/IB2022/000611,PCT/  
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(72) TSIVION, David; BITAN, Liron; LAHAV,  
Naama; TRACHTENBERG, Alexander;  
FATTAL, Moran

(74) Belyea IP

(71) Incyte Corporation

(11) AU-A-2024202109

(21) 2024202109 (22) 02.04.2024

(54) Combinations and uses thereof

(51) Int. Cl.

*C07K 16/28* ( 2006.01 )

*A61K 39/395* ( 2006.01 )

(43) 02.05.2024

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(72) ENDELL, Jan; WINDERLICH, Mark;  
BOXHAMMER, Rainer

(74) Spruson & Ferguson

(71) Industrie Borla S.p.A.

(11) AU-A-2023237092

(21) 2023237092 (22) 27.09.2023

(54) FILTER FOR INFUSION MEDICAL  
LINES

(51) Int. Cl.

*A61M 5/38* ( 2006.01 )

*A61M 5/165* ( 2006.01 )

*A61M 39/24* ( 2006.01 )

*B01D 35/147* ( 2006.01 )

*B01D 61/38* ( 2006.01 )

(31) 102022000020931 (32) 11.10.22 (33) IT

(43) 02.05.2024

(72) Guala, Gianni

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Inner Mongolia Electric Power Re-  
search Institute Branch of Inner Mongo-  
lia Electric Power (Group) Co., Ltd.

(11) AU-A-2023200396

(21) 2023200396 (22) 25.01.2023

(54) METHOD AND SYSTEM FOR ANA-  
LYZING ADJUSTABLE CAPABILITY  
OF INTERGRATED ENERGY SYSTEM

(51) Int. Cl.

*G05B 19/18* ( 2006.01 )

*G05B 1/03* ( 2006.01 )

(31) 202211245247.0 (32) 13.10.22 (33) CN

(43) 02.05.2024

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Ma, Ting

(74) Madderns Pty Ltd

(71) Insulet Corporation

(11) AU-A-2024202189

(21) 2024202189 (22) 05.04.2024

(54) Blood glucose rate of change modula-  
tion of meal and correction insulin bolus  
quantity

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**G16H 40/60** ( 2018.01 )
- (43) 02.05.2024  
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(21) 2024202155 (22) 04.04.2024  
(54) Glucagon-Receptor Selective Polypeptides And Methods Of Use Thereof
- (51) Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**A61K 38/26** ( 2006.01 )
- (43) 02.05.2024  
(62) 2021269322  
(72) BLACKWELL, William; SRIVASTAVA, Ved P; PAULIK, Mark A; YOUNG, Andrew; DOCK, Steven Thomas; HUNTER III, Robert Neil  
(74) FB Rice Pty Ltd
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(54) CRISPR-based compositions and methods of use
- (51) Int. Cl.  
**C12N 15/11** ( 2006.01 )
- (43) 02.05.2024  
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(11) AU-A-2024202118  
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**A61K 9/00** ( 2006.01 )
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(54) Compositions and methods for treating presbyopia, hyperopia, astigmatism, decreased stereopsis, and decreased contrast sensitivity
- (51) Int. Cl.  
**A61K 31/27** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/407** ( 2006.01 )  
**A61K 31/4178** ( 2006.01 )  
**A61K 31/439** ( 2006.01 )  
**A61K 31/522** ( 2006.01 )
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- (51) Int. Cl.  
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(43) 02.05.2024  
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(74) DAVIS IP PTY LTD
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- (71) Ischemix LLC  
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(54) COMPOSITIONS AND METHODS FOR TREATING TRAUMATIC BRAIN INJURY
- (51) Int. Cl.  
**A61K 31/385** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/4178** ( 2006.01 )  
**A61K 31/661** ( 2006.01 )  
**A61K 31/662** ( 2006.01 )  
**A61K 38/06** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
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(74) James & Wells Intellectual Property
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- (51) Int. Cl.  
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- (71) Ivory, S.  
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(21) 2022252827 (22) 14.10.2022  
(54) Boat Trailer Attachment and Combination Trailer
- (51) Int. Cl.  
**B60P 3/10** ( 2006.01 )  
**B60P 3/08** ( 2006.01 )  
**B60P 3/34** ( 2006.01 )  
**B62D 63/08** ( 2006.01 )
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- (51) Int. Cl.  
**H02K 7/18** ( 2006.01 )  
**H02J 7/32** ( 2006.01 )  
**H02K 21/28** ( 2006.01 )
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- (51) Int. Cl.  
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**A61K 39/395** ( 2006.01 )
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(54) Methods of treating cancers and enhancing efficacy of T cell redirecting therapeutics
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**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
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**A61K 31/519** ( 2006.01 )  
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**A61P 25/24** ( 2006.01 )  
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brecht  
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(21) 2024202346 (22) 11.04.2024  
(54) Combination therapy for prostate can-  
cer  
(51) Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
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(51) Int. Cl.  
**B60D 1/06** ( 2006.01 )  
**B60D 1/14** ( 2006.01 )  
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(51) Int. Cl.  
**B66C 23/42** ( 2006.01 )  
**E02F 3/38** ( 2006.01 )  
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ergy Systems & Solutions Corporation  
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(21) 2023204702 (22) 14.07.2023  
(54) POWER GENERATION FACILITY  
(51) Int. Cl.  
**F01K 7/38** ( 2006.01 )  
**F01K 3/26** ( 2006.01 )

**F01K 17/02** ( 2006.01 )  
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SHIRAIISHI, Hiroki; IWATA, Yoshihiro;  
OOTA, Yukitoshi  
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ergy Systems & Solutions Corporation  
(11) AU-A-2023226691  
(21) 2023226691 (22) 06.09.2023  
(54) Electrode, membrane electrode as-  
sembly, electrochemical cell, stack, and  
electrolyzer  
(51) Int. Cl.  
**C25B 11/093** ( 2021.01 )  
**C25B 11/054** ( 2021.01 )  
**C25B 11/063** ( 2021.01 )  
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Akihiko  
(74) Griffith Hack

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frastructure Systems & Solutions Cor-  
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(21) 2024202441 (22) 15.04.2024  
(54) Operating system multiplexing device  
(51) Int. Cl.  
**G05B 23/02** ( 2006.01 )  
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(54) Dog Bed  
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**A01K 1/035** ( 2006.01 )  
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(72) Kalinowski, Andrew  
(74) PIPERS

(71) Kinarus AG  
(11) AU-A-2024202380  
(21) 2024202380 (22) 11.04.2024  
(54) Methods of preventing or treating oph-  
thalmic diseases  
(51) Int. Cl.  
**A61K 31/167** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/155** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61K 31/216** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
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**A61K 31/427** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/438** ( 2006.01 )  
**A61K 31/4412** ( 2006.01 )  
**A61K 31/4418** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/4965** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 27/00** ( 2006.01 )  
**A61P 27/06** ( 2006.01 )  
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thew  
(74) FPA Patent Attorneys Pty Ltd

(71) Kleen Hy-Dro-Gen Inc.  
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(21) 2024202099 (22) 02.04.2024  
(54) PROCESS AND APPARATUS FOR  
COMBUSTING HYDROGEN  
(51) Int. Cl.  
**F23C 1/08** ( 2006.01 )  
**F23K 5/00** ( 2006.01 )  
**F24D 12/00** ( 2006.01 )  
**F24H 3/00** ( 2022.01 )  
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FAIRFULL, Thomas  
(74) BOSH IP Pty Ltd

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(21) 2023248074 (22) 10.10.2023  
(54) Use of a common shaft multistage tur-  
bine and associated method of energy  
generation  
(51) Int. Cl.  
**F01K 25/08** ( 2006.01 )  
**F01D 1/36** ( 2006.01 )  
**F04D 5/00** ( 2006.01 )  
(31) 2022902996 (32) 12.10.22 (33) AU  
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(72) Kolodziejczyk, Bartlomiej; Kupusamy,  
Manirajan  
(74) Cooper IP Pty Ltd

(71) KOREA ZINC CO., LTD.  
(11) AU-A-2023222920  
(21) 2023222920 (22) 24.05.2023  
(54) METHOD FOR REMOVING HALIDE  
FROM WAE LZ OXIDE  
(51) Int. Cl.  
**C22B 19/28** ( 2006.01 )  
(87) WO2023/234623  
(31) 10-2022-0132507 (32) 14.10.22 (33) KR  
(43) 02.05.2024  
(72) CHOI, Heon Sik; JOO, Jae Hoon  
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**(54)** METHOD FOR MANUFACTURING HIGH-GRADE REFINED IRON OXIDE FROM IRON OXIDE AS BY-PRODUCT OF ZINC SMELTING PROCESS  
**(51)** Int. Cl.  
**C22B 19/28** ( 2006.01 )  
**(87)** WO2023/234608  
**(31)** 10-2022-0132523 **(32)** 14.10.22 **(33)** KR  
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**(74)** ET Intellectual Property

**(71)** KRISH CAPITAL PTY LTD  
**(11)** AU-A-2023248045  
**(21)** 2023248045 (22) 09.10.2023  
**(54)** Computing system and method for generating financial instruments portfolio  
**(51)** Int. Cl.  
**G06Q 40/06** ( 2012.01 )  
**(31)** 202241057569 (32) 07.10.22 (33) IN  
**(43)** 02.05.2024  
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**(71)** KRISH CAPITAL PTY LTD  
**(11)** AU-A-2023248046  
**(21)** 2023248046 (22) 09.10.2023  
**(54)** Method and system for evaluating trends in a stock using a momentum score  
**(51)** Int. Cl.  
**G06Q 40/06** ( 2012.01 )  
**G06F 17/18** ( 2006.01 )  
**(31)** 202241057558 (32) 07.10.22 (33) IN  
**(43)** 02.05.2024  
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**Kveen, G. see Biocompatibles UK Limited**  
**(21)** 2024202153

**Kyushu University, National University Corporation see Hiroshima University**  
**(21)** 2024202150

**(71)** Lakewood Amedex, Inc.  
**(11)** AU-A-2024202211  
**(21)** 2024202211 (22) 05.04.2024  
**(54)** Bisphosphocin gel formulations and uses thereof  
**(51)** Int. Cl.  
**A61K 31/7042** ( 2006.01 )  
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**(43)** 02.05.2024  
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**(71)** LCS Advanced Solutions  
**(11)** AU-A-2023251399

**(21)** 2023251399 (22) 16.10.2023  
**(54)** STRUCTURALLY DIVERSE, STABLE, AND RADIATION-PROTECTIVE PARTICLE MATRIX SUNSCREEN AND COSMETIC COMPOSITIONS AND RELATED METHODS  
**(51)** Int. Cl.  
**A61K 8/27** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/19** ( 2006.01 )  
**A61K 8/25** ( 2006.01 )  
**A61K 8/26** ( 2006.01 )  
**A61K 8/29** ( 2006.01 )  
**A61Q 17/04** ( 2006.01 )  
**(31)** 63/475,135 (32) 15.10.22 (33) US  
**(43)** 02.05.2024  
**(72)** Singleton, Laura C.  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Legal Aspirations Pty Ltd  
**(11)** AU-A-2023214402  
**(21)** 2023214402 (22) 14.08.2023  
**(54)** Method and system for generating family law consent orders  
**(51)** Int. Cl.  
**G06Q 50/18** ( 2012.01 )  
**G06Q 10/06** ( 2023.01 )  
**(31)** 2022902960 (32) 10.10.22 (33) AU  
**(43)** 02.05.2024  
**(72)** POON, Li-Yen  
**(74)** Patenteur Pty Ltd

**(71)** Leica Biosystems Imaging, Inc.  
**(11)** AU-A-2024202198  
**(21)** 2024202198 (22) 05.04.2024  
**(54)** Real-time autofocus focusing algorithm  
**(51)** Int. Cl.  
**G02B 7/28** ( 2021.01 )  
**G01B 9/04** ( 2006.01 )  
**G02B 21/00** ( 2006.01 )  
**(43)** 02.05.2024  
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**(11)** AU-A-2024202327  
**(21)** 2024202327 (22) 10.04.2024  
**(54)** Veterinary product  
**(51)** Int. Cl.  
**A61P 37/00** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/35** ( 2006.01 )  
**C07K 1/14** ( 2006.01 )  
**(43)** 02.05.2024  
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**(71)** LG Electronics Inc.  
**(11)** AU-A-2024202143

**(21)** 2024202143 (22) 03.04.2024  
**(54)** Transform-based method for coding image, and device therefor  
**(51)** Int. Cl.  
**H04N 19/60** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/137** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 02.05.2024  
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**(72)** KOO, Moonmo; KIM, Seunghwan; LIM, Jaehyun  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** LG Electronics Inc.  
**(11)** AU-A-2024202188  
**(21)** 2024202188 (22) 05.04.2024  
**(54)** Method for coding transform coefficient on basis of high frequency zeroing and apparatus therefor  
**(51)** Int. Cl.  
**H04N 19/91** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )  
**H04N 19/124** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**(43)** 02.05.2024  
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**(72)** CHOI, Jungah; YOO, Sunmi; HEO, Jin; LI, Ling; CHOI, Jangwon; KIM, Seunghwan  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** LG Electronics Inc.  
**(11)** AU-A-2024202248  
**(21)** 2024202248 (22) 08.04.2024  
**(54)** Image/video coding method and apparatus on basis of picture division structure  
**(51)** Int. Cl.  
**H04N 19/119** ( 2014.01 )  
**H04N 19/103** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/184** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 02.05.2024  
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**(72)** HENDRY, Hendry; PALURI, Seethal; KIM, Seunghwan  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** LG Electronics Inc.  
**(11)** AU-A-2024202277  
**(21)** 2024202277 (22) 10.04.2024  
**(54)** APPARATUS AND METHOD FOR IMAGE CODING BASED ON FILTERING  
**(51)** Int. Cl.  
**H04N 19/117** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**H04N 19/82** ( 2014.01 )

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 (72) CHOI, Jangwon; NAM, Junghak  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2024202278  
 (21) 2024202278 (22) 10.04.2024  
 (54) Apparatus and method for coding image  
 (51) Int. Cl.  
*H04N 19/117* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/137* ( 2014.01 )  
*H04N 19/186* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
*H04N 19/82* ( 2014.01 )  
*H04N 19/96* ( 2014.01 )

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 (21) 2024202291 (22) 10.04.2024  
 (54) TRANSFORM-BASED IMAGE CODING METHOD, AND DEVICE THEREFOR  
 (51) Int. Cl.  
*H04N 19/60* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/122* ( 2014.01 )  
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 (54) IMAGE ENCODING/DECODING METHOD AND DEVICE BASED ON HYBRID NAL UNIT TYPE, AND RECORDING MEDIUM FOR STORING BITSTREAM  
 (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
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 (72) HENDRY, Hendry; KIM, Seung Hwan  
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 (54) IMAGE OR VIDEO CODING USING DEBLOCKING FILTERING  
 (51) Int. Cl.  
*H04N 19/86* ( 2014.01 )  
*H04N 19/117* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
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 (72) JANG, Hyeongmoon  
 (74) Dentons Patent Attorneys Australasia Limited

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 (11) AU-A-2024202403  
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 (54) IMAGE/VIDEO ENCODING/DECODING METHOD AND APPARATUS USING SAME  
 (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
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*A41D 13/11* ( 2006.01 )  
*A41D 20/00* ( 2006.01 )

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 (74) Madderns Pty Ltd

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 (51) Int. Cl.  
*G06Q 90/00* ( 2006.01 )  
*G01N 1/28* ( 2006.01 )  
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 (51) Int. Cl.  
*A47J 42/18* ( 2006.01 )  
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(71) McGrath Engineering Limited  
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 (54) Portable screening and stockpiling apparatus  
 (51) Int. Cl.  
*B07B 13/05* ( 2006.01 )  
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*B01D 29/58* ( 2006.01 )  
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*B01D 25/00* ( 2006.01 )  
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 (54) NEUTRALIZING ANTI-INFLUENZA B ANTIBODIES AND USES THEREOF  
 (51) Int. Cl.  
*A61P 31/16* ( 2006.01 )  
*A61K 39/145* ( 2006.01 )  
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*C07K 16/10* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 31/407* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.  
*B01F 11/00* ( 2006.01 )  
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*G06T 7/73* ( 2017.01 )  
*G01B 21/02* ( 2006.01 )  
*G01B 21/16* ( 2006.01 )  
*G06F 18/22* ( 2023.01 )  
*G06T 7/50* ( 2017.01 )  
*G06T 11/00* ( 2006.01 )  
*G06V 10/44* ( 2022.01 )  
*G06V 10/75* ( 2022.01 )  
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 (51) Int. Cl.  
*B01D 35/06* ( 2006.01 )  
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 (72) OOMORI, Kazuki  
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 (54) Vertical grow tower conveyance system for controlled environment agriculture  
 (51) Int. Cl.  
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 (51) Int. Cl.  
*F24C 7/08* ( 2006.01 )  
*F24C 7/04* ( 2021.01 )  
*F24C 15/06* ( 2006.01 )  
*G09F 9/30* ( 2006.01 )  
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*E06B 7/09* ( 2006.01 )  
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*B23C 5/12* ( 2006.01 )  
*B27G 13/12* ( 2006.01 )  
*E05D 3/02* ( 2006.01 )  
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 (31) 2022902900 (32) 05.10.22 (33) AU  
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 (51) Int. Cl.  
*G02B 7/16* ( 2021.01 )  
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(71) Morpich Therapeutic, Inc.  
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 (54) Inhibitors of (alpha-v)(beta-6) integrin  
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*C07D 401/12* ( 2006.01 )  
*A61K 31/4745* ( 2006.01 )  
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 (54) Pyrimidinedione compounds against cardiac conditions  
 (51) Int. Cl.  
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*A61P 9/10* ( 2006.01 )  
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 (54) Method And System For Distributed Data Storage With Enhanced Security, Resilience, And Control  
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*G06F 16/16* ( 2019.01 )  
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*G06F 21/60* ( 2013.01 )  
*G06F 21/62* ( 2013.01 )  
*H04L 9/06* ( 2006.01 )  
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 (72) CHUNG, Jaeyoon  
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*G01N 21/27* ( 2006.01 )  
*G01J 3/18* ( 2006.01 )  
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 (54) RADIATION IRRADIATION SYSTEM  
 (51) Int. Cl.  
*A61B 6/04* ( 2006.01 )  
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 (51) Int. Cl.  
*H02M 7/538* ( 2007.01 )  
*A24F 40/50* ( 2020.01 )  
*H02M 11/00* ( 2006.01 )  
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 (72) KORUS, Anton  
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 (74) Davies Collison Cave Pty Ltd

(71) Novartis AG  
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*A61K 39/395* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) NOVARTIS AG  
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 (54) Antibody drug conjugates and methods for making thereof  
 (51) Int. Cl.  
*C12N 15/52* ( 2006.01 )  
*A01N 43/00* ( 2006.01 )  
*C12N 9/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Novelis Inc.  
 (11) AU-A-2024202433  
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 (54) Aluminum flat rolled products with high recycled content for light gauge packaging solutions and related methods  
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*B65D 85/804* ( 2006.01 )  
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 (51) Int. Cl.  
*B62B 7/04* ( 2006.01 )  
*B62B 7/12* ( 2006.01 )  
*B62K 9/02* ( 2006.01 )  
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 (74) Eagar & Associates Pty Ltd

(71) Obrizum Group Ltd.  
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 (51) Int. Cl.  
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 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ohio State Innovation Foundation  
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 (51) Int. Cl.  
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*C12N 5/071* ( 2010.01 )  
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 (74) Griffith Hack

(71) Orica International Pte Ltd  
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 (54) A wireless initiation device  
 (51) Int. Cl.  
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*F42B 3/10* ( 2006.01 )  
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 (54) SUBSEA ELECTRICAL ENERGY GENERATION SYSTEM  
 (51) Int. Cl.  
*H02K 7/00* ( 2006.01 )  
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 (74) Griffith Hack

(71) Pfizer Inc.  
 (11) AU-A-2024202391  
 (21) 2024202391 (22) 11.04.2024  
 (54) SYSTEMS AND METHODS FOR PERFORMING BIOLOGICAL ASSAYS  
 (51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
*B01L 7/00* ( 2006.01 )  
*C12M 1/34* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*G01N 27/447* ( 2006.01 )  
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 (72) Mitra, Debkishore; Myers III, Frank B.; Waldeisen, John Robert; Dimov, Ivan Krastev  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Apparatus And Method For Intelligent Product Scanner  
 (51) Int. Cl.  
*G06F 16/2457* ( 2019.01 )  
*G06K 7/14* ( 2006.01 )  
*G06Q 30/02* ( 2012.01 )  
*G06N 20/00* ( 2019.01 )  
 (43) 02.05.2024  
 (72) Pickering, Tania  
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(71) Pierson Capital Environmental (Beijing) Limited  
 (11) AU-A-2024202331  
 (21) 2024202331 (22) 10.04.2024  
 (54) Efficient Methods And Compositions For Recovery Of Products From Organic Acid Pretreatment Of Plant Materials  
 (51) Int. Cl.  
*D21C 3/22* ( 2006.01 )  
*C07G 1/00* ( 2011.01 )  
*C08B 37/14* ( 2006.01 )  
*C12F 3/10* ( 2006.01 )  
*C12P 7/08* ( 2006.01 )  
*C12P 7/10* ( 2006.01 )  
*D21B 1/00* ( 2006.01 )  
*D21C 3/04* ( 2006.01 )  
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 (62) 2022201149  
 (72) LING, Feng  
 (74) WRAYS PTY LTD

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 (11) AU-A-2023202278  
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 (54) Panel device  
 (51) Int. Cl.  
*B60J 7/16* ( 2006.01 )  
*E05D 15/42* ( 2006.01 )  
*E05F 11/04* ( 2006.01 )  
 (31) 2031588 (32) 14.10.22 (33) NL  
 (43) 02.05.2024  
 (72) KRIJGSMAN, Dhr. Pieter Sietze; VAN BEMMEL-WELLE, Mw. Bianca Catharina  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Power Distribution, Inc.  
 (11) AU-A-2024202201  
 (21) 2024202201 (22) 05.04.2024  
 (54) UNIVERSAL TAP-OFF BOX  
 (51) Int. Cl.  
*H01H 9/22* ( 2006.01 )  
*H02B 1/14* ( 2006.01 )  
*H02B 1/38* ( 2006.01 )  
*H02G 5/06* ( 2006.01 )  
*H02G 5/08* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022279544  
 (72) Jaena, Mario L.; Shimabukuro, Yasushi Richard  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) PRG S&Tech Inc.  
 (11) AU-A-2024202310  
 (21) 2024202310 (22) 10.04.2024  
 (54) Use of novel compound, for preventing, improving or treating amyotrophic lateral sclerosis  
 (51) Int. Cl.  
*C07D 493/04* ( 2006.01 )  
*A23L 33/10* ( 2016.01 )  
*A61K 31/37* ( 2006.01 )  
*A61P 21/00* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2020375506  
 (72) PARK, Bum-Joon  
 (74) FB Rice Pty Ltd

(71) Pride Mobility Products Corporation  
 (11) AU-A-2024202461  
 (21) 2024202461 (22) 16.04.2024  
 (54) Seat positioning system for a wheelchair  
 (51) Int. Cl.  
*A61G 5/04* ( 2013.01 )  
*A47C 1/02* ( 2006.01 )  
*A47C 1/024* ( 2006.01 )

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**A61G 5/00** ( 2006.01 )  
**A61G 5/10** ( 2006.01 )  
**A61G 5/12** ( 2006.01 )  
**A61G 7/057** ( 2006.01 )  
**A61G 15/00** ( 2006.01 )  
**A61G 15/02** ( 2006.01 )  
**A61G 15/04** ( 2006.01 )  
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**(72)** MULHERN, James; ANTONISHAK, Stephen J.  
**(74)** Spruson & Ferguson
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- (71)** Promat Australia Pty Ltd  
**(11)** AU-A-2024202377  
**(21)** 2024202377 **(22)** 11.04.2024  
**(54)** Improved fire collar  
**(51)** Int. Cl.  
**A62C 2/06** ( 2006.01 )  
**A62C 3/16** ( 2006.01 )  
**E04F 17/08** ( 2006.01 )  
**F16L 5/04** ( 2006.01 )  
**F16L 55/00** ( 2006.01 )  
**H02G 3/10** ( 2006.01 )  
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**(72)** Porter, Raymond; Dabrowski, Darius  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Proprio, Inc.  
**(11)** AU-A-2024202120  
**(21)** 2024202120 **(22)** 03.04.2024  
**(54)** Methods and systems for augmenting depth data from a depth sensor, such as with data from a multiview camera system  
**(51)** Int. Cl.  
**G06T 7/557** ( 2017.01 )  
**G06T 5/00** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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**(11)** AU-A-2024202286  
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**(54)** Systems, devices, and methods for isotachopho  
**(51)** Int. Cl.  
**B01F 25/40** ( 2022.01 )  
**B01F 25/44** ( 2022.01 )  
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**B01F 35/71** ( 2022.01 )  
**B01F 35/75** ( 2022.01 )  
**B81B 1/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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- (71)** QUAD S CONTROLS PTY LTD  
**(11)** AU-A-2023336073  
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**(54)** VALVE FLUSHING ARRANGEMENT  
**(51)** Int. Cl.  
**F16K 27/04** ( 2006.01 )  
**F16K 3/02** ( 2006.01 )  
**F16K 3/30** ( 2006.01 )  
**(31)** 2022902908 **(32)** 06.10.22 **(33)** AU  
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**(72)** GREYLING, Johannes Gerhardus  
**(74)** Patenteur Pty Ltd
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- (71)** Qualcomm Incorporated  
**(11)** AU-A-2024202387  
**(21)** 2024202387 **(22)** 11.04.2024  
**(54)** BACKPRESSURE SIGNALING FOR WIRELESS COMMUNICATIONS  
**(51)** Int. Cl.  
**H04W 28/02** ( 2009.01 )  
**(43)** 02.05.2024  
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**(74)** Madderns Pty Ltd
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- (71)** Qualyst Transporter Solutions, LLC  
**(11)** AU-A-2024202474  
**(21)** 2024202474 **(22)** 16.04.2024  
**(54)** METHODS AND SYSTEMS FOR SCREENING CANDIDATE COMPOUNDS FOR THEIR POTENTIAL TO CAUSE SYSTEMIC OR HEPATIC TOXICITY  
**(51)** Int. Cl.  
**G01N 33/58** ( 2006.01 )  
**(43)** 02.05.2024  
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**(72)** Brouwer, Kenneth R.; Jackson, Jonathan P.; Black, Christopher B.  
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**(21)** 2024202153
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- (71)** REE UNO SPA  
**(11)** AU-A-2023203580  
**(21)** 2023203580 **(22)** 08.06.2023  
**(54)** Method and system for processing rare earth concentrate  
**(51)** Int. Cl.  
**C22B 59/00** ( 2006.01 )
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**C22B 3/22** ( 2006.01 )  
**C22B 3/44** ( 2006.01 )  
**(31)** 202202827 **(32)** 13.10.22 **(33)** CL  
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**(74)** Armour IP
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- (71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2024202293  
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**(54)** NUCLEASE-MEDIATED REPEAT EXPANSION  
**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**A01K 67/027** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2024202294  
**(21)** 2024202294 **(22)** 10.04.2024  
**(54)** METHODS FOR CHROMATOGRAPHY RESIN SLURRY DETERMINATION  
**(51)** Int. Cl.  
**B01D 15/20** ( 2006.01 )  
**G01F 23/292** ( 2006.01 )  
**G01N 30/56** ( 2006.01 )  
**(43)** 02.05.2024  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Rehabilitation Institute of Chicago  
**(11)** AU-A-2024202389  
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**(54)** Assessment and management system for rehabilitative conditions and related methods  
**(51)** Int. Cl.  
**G16H 10/20** ( 2018.01 )  
**(43)** 02.05.2024  
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**(72)** CHANG, Chih-Hung; BODINE, Andrew; SLIWA, James A.  
**(74)** Spruson & Ferguson
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- (71)** Relativity Space, Inc.  
**(11)** AU-A-2023248139  
**(21)** 2023248139 **(22)** 12.10.2023  
**(54)** Systems for Localized Work Return Path and Methods Thereof  
**(51)** Int. Cl.  
**H01R 31/06** ( 2006.01 )  
**B33Y 30/00** ( 2015.01 )  
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 (21) 2024201911 (22) 25.03.2024  
 (54) COUGH DETECTION SYSTEM, METHOD, AND DEVICE  
 (51) Int. Cl.  
 A61B 5/08 ( 2006.01 )  
 A61B 5/00 ( 2006.01 )  
 A61B 5/113 ( 2006.01 )  
 A61B 7/00 ( 2006.01 )  
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(71) Revolution Medicines, Inc.  
 (11) AU-A-2024202332  
 (21) 2024202332 (22) 10.04.2024  
 (54) COMPOUNDS THAT PARTICIPATE IN COOPERATIVE BINDING AND USES THEREOF  
 (51) Int. Cl.  
 C07D 498/18 ( 2006.01 )  
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 (72) Mulvihill, Mark Joseph; Jin, Meizhong  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Weed removal tool  
 (51) Int. Cl.  
 A01B 1/16 ( 2006.01 )  
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 (74) jason michael rielly

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 (11) AU-A-2024202477  
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 (54) 68Ga- and 64Cu -NOD-AGA-E[c(RGDyK)]<sub>2</sub> for use as pet tracers in the imaging of angiogenesis in humans  
 (51) Int. Cl.  
 C07K 7/64 ( 2006.01 )  
 A61K 51/04 ( 2006.01 )  
 A61K 51/08 ( 2006.01 )  
 C07F 1/08 ( 2006.01 )  
 C07F 5/00 ( 2006.01 )  
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(71) Rimini Street, Inc.  
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 (54) METHOD AND SYSTEM FOR PRO-ACTIVE CLIENT RELATIONSHIP ANALYSIS  
 (51) Int. Cl.  
 G06Q 10/06 ( 2023.01 )  
 G06N 20/00 ( 2019.01 )  
 G06Q 10/10 ( 2023.01 )  
 G06Q 30/00 ( 2023.01 )  
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 (21) 2024202311 (22) 10.04.2024  
 (54) Resource transfer system  
 (51) Int. Cl.  
 G06Q 20/02 ( 2012.01 )  
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 G06Q 30/06 ( 2023.01 )  
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 (72) THOMAS, Stefan; SCHWARTZ, Evan  
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(71) Rowe, B.  
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 (54) Watercraft Tethering Assembly  
 (51) Int. Cl.  
 B63B 21/04 ( 2006.01 )  
 B63B 21/00 ( 2006.01 )  
 B65H 75/44 ( 2006.01 )  
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 (74) Michael Buck IP

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 (21) 2024202400

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2024202190  
 (21) 2024202190 (22) 05.04.2024  
 (54) METHOD FOR ENCODING AND DECODING MOTION INFORMATION AND DEVICE FOR ENCODING AND DECODING MOTION INFORMATION  
 (51) Int. Cl.  
 H04N 19/139 ( 2014.01 )  
 H04N 19/13 ( 2014.01 )  
 H04N 19/176 ( 2014.01 )  
 H04N 19/184 ( 2014.01 )  
 H04N 19/70 ( 2014.01 )

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 (62) 2023200685  
 (72) Jeong, Seung-soo  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (51) Int. Cl.  
 A47F 1/12 ( 2006.01 )  
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 (72) KO, Yiu Fai  
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (21) 2024202383 (22) 11.04.2024  
 (54) Wireless Device Power Optimization Utilizing Artificial Intelligence and/or Machine Learning  
 (51) Int. Cl.  
 H04W 52/02 ( 2009.01 )  
 H04W 72/04 ( 2023.01 )  
 H04W 72/12 ( 2023.01 )  
 H04W 84/12 ( 2009.01 )  
 H04W 88/08 ( 2009.01 )

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 (74) Alder IP Pty Ltd

(71) Schneider Electric USA, Inc.  
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 (54) SUPPLEMENTAL TECHNIQUES FOR CHARACTERIZING POWER QUALITY EVENTS IN AN ELECTRICAL SYSTEM  
 (51) Int. Cl.  
 H02J 13/00 ( 2006.01 )  
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 (74) Madderns Pty Ltd

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 (54) Production of Trichoderma spp fungi using almond hull as a growth medium  
 (51) Int. Cl.  
 C12N 1/14 ( 2006.01 )  
 C05F 11/08 ( 2006.01 )  
 C12N 1/22 ( 2006.01 )  
 C12R 1/885 ( 2006.01 )  
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 (74) MINTER ELLISON

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(11) AU-A-2023200467  
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(54) Systems and methods for signaling neural network post-filter frame rate up-sampling information in video coding  
(51) Int. Cl.  
*H04N 19/117* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/169* ( 2014.01 )  
*H04N 19/42* ( 2014.01 )  
*H04N 19/587* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
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(54) Systems and methods for signaling neural network post-filter information updates in video coding  
(51) Int. Cl.  
*H04N 19/85* ( 2014.01 )  
*G06N 3/02* ( 2006.01 )  
*H04N 19/117* ( 2014.01 )  
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(51) Int. Cl.  
*H04N 19/59* ( 2014.01 )  
*H04N 19/13* ( 2014.01 )  
*H04N 19/136* ( 2014.01 )  
*H04N 19/463* ( 2014.01 )  
*H04N 19/91* ( 2014.01 )  
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- (71) Shenzhen Seauto Technology Co.,Ltd.  
(11) AU-A-2023200063  
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(54) SWIMMING POOL ROBOT WITH DOUBLE DRAIN PIPES AND ITS CONTROL METHOD  
(51) Int. Cl.  
*E04H 4/16* ( 2006.01 )  
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- (71) Shinagawa Refractories Australasia Pty Ltd  
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(54) Refractory blaster nozzle  
(51) Int. Cl.  
*B05B 1/00* ( 2006.01 )  
*B05B 15/60* ( 2018.01 )  
*B08B 5/02* ( 2006.01 )  
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(43) 02.05.2024  
(72) Bower, Phil; Thompson, Gavin; McCracken, David  
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(54) OKRA LIQUOR AND BREWING PROCESS THEREOF  
(51) Int. Cl.  
*C12G 3/021* ( 2019.01 )  
*C12R 1/69* ( 2006.01 )  
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(74) Madderns Pty Ltd
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- (71) Sigma-Aldrich Co. LLC  
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(21) 2024202158 (22) 04.04.2024  
(54) ENGINEERED CAS9 SYSTEMS FOR EUKARYOTIC GENOME MODIFICATION  
(51) Int. Cl.  
*C12N 9/22* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2023233206  
(21) 2023233206 (22) 22.09.2023  
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(51) Int. Cl.  
*C01B 3/26* ( 2006.01 )  
*B01J 8/10* ( 2006.01 )  
*C01B 3/28* ( 2006.01 )  
*C01B 32/40* ( 2017.01 )  
(31) 10-2022-0128653 (32) 07.10.22 (33) KR  
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(72) Yun, Dong Min; Jang, Jung Geun; Lee, Ji Hoon; Cha, Ye Rhee  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Smith & Loveless Inc.  
(11) AU-A-2023237168  
(21) 2023237168 (22) 29.09.2023
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- (71) Apparatus with improved grit removal  
(51) Int. Cl.  
*B01D 21/24* ( 2006.01 )  
*C02F 1/00* ( 2023.01 )  
(31) 17/961,087 (32) 06.10.22 (33) US  
(43) 02.05.2024  
(72) DEJU, Lilunnahar; KELLY, John K.; ZUZELSKI, Alexander P.; MRKVICKA, Rodney S.  
(74) Spruson & Ferguson
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- (71) Smith & Nephew plc  
(11) AU-A-2024202208  
(21) 2024202208 (22) 05.04.2024  
(54) Negative pressure wound therapy system using eulerian video magnification  
(51) Int. Cl.  
*G16H 20/30* ( 2018.01 )  
*A61B 5/00* ( 2006.01 )  
*A61F 13/00* ( 2006.01 )  
*A61M 1/00* ( 2006.01 )  
*G16H 20/40* ( 2018.01 )  
*G16H 30/40* ( 2018.01 )  
(43) 02.05.2024  
(62) 2018269113  
(72) Gadde, Yeswanth; Hunt, Allan Kenneth Frazer Grugeon; Phillips, Marcus Damian  
(74) Griffith Hack
- 
- (71) Snap-on Incorporated  
(11) AU-A-2023248188  
(21) 2023248188 (22) 13.10.2023  
(54) HANDLE AND TOOL WITH INTEGRATED HANDLE MOUNT  
(51) Int. Cl.  
*B25F 5/02* ( 2006.01 )  
*B25G 1/00* ( 2006.01 )  
*F16B 2/12* ( 2006.01 )  
*F16B 7/04* ( 2006.01 )  
(31) 17/966,458 (32) 14.10.22 (33) US  
(43) 02.05.2024  
(72) KORDUS, Bryan J.; ALANIS, Isidro  
(74) Griffith Hack
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- (71) Snap-on Incorporated  
(11) AU-A-2024202438  
(21) 2024202438 (22) 15.04.2024  
(54) JOINT PRESS  
(51) Int. Cl.  
*B25B 27/02* ( 2006.01 )  
*B23P 19/02* ( 2006.01 )  
(43) 02.05.2024  
(62) 2022235621  
(72) BENDORF, Scott A.  
(74) Griffith Hack
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- (71) Solar Choice 1 Pty Ltd  
(11) AU-A-2024202401  
(21) 2024202401 (22) 12.04.2024  
(54) Automatic quotes for solar power installations  
(51) Int. Cl.  
*G06Q 30/00* ( 2023.01 )



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 (62) 2022201298  
 (72) GEMMELL, Angus  
 (74) FB Rice Pty Ltd

(71) Solmax International Inc.  
 (11) AU-A-2023248077  
 (21) 2023248077 (22) 10.10.2023  
 (54) Heap leach liner  
 (51) Int. Cl.  
*E02D 31/00* ( 2006.01 )  
 (31) 17/965,186 (32) 13.10.22 (33) US  
 (43) 02.05.2024  
 (72) YOUNGBLOOD Jr., Jimmy Gordon  
 (74) Spruson & Ferguson

(71) Sonde Health, Inc.  
 (11) AU-A-2024202039  
 (21) 2024202039 (22) 28.03.2024  
 (54) System and method for activation and deactivation of cued health assessment  
 (51) Int. Cl.  
*G10L 25/66* ( 2013.01 )  
*G10L 17/26* ( 2013.01 )  
*G16H 10/20* ( 2018.01 )  
*G16H 50/30* ( 2018.01 )  
 (43) 02.05.2024  
 (62) 2018364950  
 (72) HARPER, James D.; CHEN, Michael C.  
 (74) Spruson & Ferguson

(71) Sonoco Development, Inc.  
 (11) AU-A-2024201862  
 (21) 2024201862 (22) 21.03.2024  
 (54) CHILD RESISTANT LAMINATE PACKAGES AND METHODS FOR MAKING A CHILD RESISTANT PACKAGE  
 (51) Int. Cl.  
*B65D 75/58* ( 2006.01 )  
*B65D 5/54* ( 2006.01 )  
*B65D 5/56* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2019266309  
 (72) HUFFER, Scott William; SANFILIPPO, James; SANFILIPPO, John E.; RADENOVIC, Milorad; COSTA, Ricardo; FELD, Eric  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Sony Group Corporation  
 (11) AU-A-2024202205  
 (21) 2024202205 (22) 05.04.2024  
 (54) Ultra bright dimeric or polymeric dyes with spacing linker groups  
 (51) Int. Cl.  
*C07C 215/68* ( 2006.01 )  
*C07F 9/09* ( 2006.01 )  
*C07F 9/24* ( 2006.01 )  
*C07F 9/572* ( 2006.01 )  
*C09B 69/10* ( 2006.01 )  
*G01N 33/52* ( 2006.01 )  
*G01N 33/58* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021266230  
 (72) Matray, Tracy; Singh, Sharat  
 (74) Davies Collison Cave Pty Ltd

(71) SOUTH COUNTRY EQUIPMENT LTD.  
 (11) AU-A-2024202216  
 (21) 2024202216 (22) 05.04.2024  
 (54) USING HISTORICAL PLANT-AVAILABLE WATER METRICS TO FORECAST CROP YIELD  
 (51) Int. Cl.  
*G06Q 50/02* ( 2012.01 )  
 (43) 02.05.2024  
 (62) 2018226373  
 (72) HUTCHISON, Ryan; GEE, Kendall  
 (74) AJ PARK

(71) Star BP, Inc.  
 (11) AU-A-2024202340  
 (21) 2024202340 (22) 11.04.2024  
 (54) Tissue interface apparatus, systems and methods  
 (51) Int. Cl.  
*A61B 17/34* ( 2006.01 )  
*A61L 31/02* ( 2006.01 )  
*A61L 31/04* ( 2006.01 )  
*A61M 39/02* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2019252105  
 (72) STANFIELD, J. Ryan; LONG, James W.; VLADOVICH, Michael A.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Stats LLC  
 (11) AU-A-2024202313  
 (21) 2024202313 (22) 10.04.2024  
 (54) Video Processing For Embedded Information Card Localization And Content Extraction  
 (51) Int. Cl.  
*H04N 21/435* ( 2011.01 )  
*H04N 21/431* ( 2011.01 )  
*H04N 21/478* ( 2011.01 )  
*H04N 21/845* ( 2011.01 )  
*H04N 21/8549* ( 2011.01 )  
 (43) 02.05.2024  
 (62) 2019269599  
 (72) STOJANCIC, Mihailo; PACKARD, Warren; KANYGIN, Dennis  
 (74) FB Rice Pty Ltd

STCube & Co., Inc. see Board of Regents, The University of Texas System  
 (21) 2024202102

Stichting VUmc see Janssen Biotech, Inc.  
 (21) 2024202300

(71) Stryker Corporation  
 (11) AU-A-2024202264  
 (21) 2024202264 (22) 09.04.2024  
 (54) Manifold for a medical/surgical waste collection system with a material collection volume for collecting material entrained within fluid  
 (51) Int. Cl.  
*A61M 1/00* ( 2006.01 )

(43) 02.05.2024  
 (62) 2018236347  
 (72) Peterson, Michael; Shandillya, Anshul; Isham, Stephen; Reasoner, Stephen  
 (74) Davies Collison Cave Pty Ltd

(71) Stryker Corporation  
 (11) AU-A-2024202436  
 (21) 2024202436 (22) 15.04.2024  
 (54) Sterilization enclosure for surgical instruments  
 (51) Int. Cl.  
*A61L 2/07* ( 2006.01 )  
*A61L 2/28* ( 2006.01 )  
*G01K 3/04* ( 2006.01 )  
*G01K 11/06* ( 2006.01 )  
*G01K 17/02* ( 2006.01 )

(43) 02.05.2024  
 (62) 2021240316  
 (72) Henniges, Bruce; Childers, Robert; Chmelar, Erik; Dudycha, Adam; Miller, Michael; Moaiery, Ali; Purrenhage, Benjamin John  
 (74) Davies Collison Cave Pty Ltd

(71) Sungrow Hydrogen Sci. & Tech. Co., Ltd  
 (11) AU-A-2023206166  
 (21) 2023206166 (22) 20.07.2023  
 (54) Outdoor electric cabinet and air duct structure thereof  
 (51) Int. Cl.  
*H02B 1/56* ( 2006.01 )  
*H02B 1/30* ( 2006.01 )  
*H05K 5/02* ( 2006.01 )  
*H05K 7/20* ( 2006.01 )  
 (31) 202211258997.1 (32) 14.10.22 (33) CN  
 (43) 02.05.2024  
 (72) GE, Xiangwen; JIANG, Yuqin; GONG, Shengwei; ZHANG, Zhitong; CHEN, Erhao  
 (74) Davies Collison Cave Pty Ltd

(71) Sungrow Power Supply Co., Ltd.  
 (11) AU-A-2023248060  
 (21) 2023248060 (22) 10.10.2023  
 (54) Micro inverter having multiple independent inputs, and photovoltaic system  
 (51) Int. Cl.  
*H02M 7/44* ( 2006.01 )  
*H02J 1/10* ( 2006.01 )  
*H02J 3/00* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
*H02M 3/145* ( 2006.01 )  
*H02P 9/00* ( 2006.01 )  
 (31) 202222683536.0 (32) 12.10.22 (33) CN  
 (43) 02.05.2024  
 (72) ZHANG, Lu; GU, Yu; ZHAO, Linhai; CHEN, Qiaodi  
 (74) Davies Collison Cave Pty Ltd

(71) TANAR CORP.  
 (11) AU-A-2024202122  
 (21) 2024202122 (22) 03.04.2024  
 (54) COMPUTER-IMPLEMENTED VISUAL QUERY MATCHING METHODS,

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AND SYSTEMS FOR IMPLEMENTING THEREOF  
**(51)** Int. Cl.  
**G06F 16/903** ( 2019.01 )  
**G06F 16/2457** ( 2019.01 )  
**G06F 16/248** ( 2019.01 )  
**G06F 16/438** ( 2019.01 )  
**G06F 16/9035** ( 2019.01 )  
**G06F 16/9038** ( 2019.01 )  
**(43)** 02.05.2024  
**(62)** 2022433644  
**(72)** KASHYAP, Arun  
**(74)** AJ Pietras IP Limited

**(71)** Tau Motors, Inc.  
**(11)** AU-A-2024202269  
**(21)** 2024202269 **(22)** 09.04.2024  
**(54)** ELECTRIC MOTORS  
**(51)** Int. Cl.  
**H02K 1/24** ( 2006.01 )  
**(43)** 02.05.2024  
**(62)** 2023203810  
**(72)** RUBIN, Matthew J.; PENNINGTON III, Walter Wesley; STEVENSON, Gregory Gordon; AMBRECHT, Adam Daniel; DOS SANTOS Jr., Euzeli Cipriano  
**(74)** Griffith Hack

**(71)** Technetix B.V.  
**(11)** AU-A-2023241283  
**(21)** 2023241283 **(22)** 04.10.2023  
**(54)** Face plate for cable tap unit  
**(51)** Int. Cl.  
**H01R 12/00** ( 2006.01 )  
**H01R 9/03** ( 2006.01 )  
**H01R 24/00** ( 2011.01 )  
**(31)** 2215120.3 **(32)** 13.10.22 **(33)** GB  
**(43)** 02.05.2024  
**(72)** CHAPMAN, Paul; SHELLEY, Gareth  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023237176  
**(21)** 2023237176 **(22)** 29.09.2023  
**(54)** Battery pack  
**(51)** Int. Cl.  
**H01M 50/578** ( 2021.01 )  
**H02J 7/04** ( 2006.01 )  
**(31)** 202211247598.5 **(32)** 12.10.22 **(33)** CN  
**(43)** 02.05.2024  
**(72)** ZHANG, Yi; JIA, Yun Yan; ZHOU, Si Xing; CHEN, Jia Wei  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023241272  
**(21)** 2023241272 **(22)** 03.10.2023  
**(54)** Battery pack  
**(51)** Int. Cl.  
**H02J 7/04** ( 2006.01 )  
**(31)** 202211248325.2 **(32)** 12.10.22 **(33)** CN  
**(43)** 02.05.2024  
**(72)** GUO, Xi; WEN, Chao; WANG, Ren Jie; MA, Hai Bo  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023241275  
**(21)** 2023241275 **(22)** 03.10.2023  
**(54)** Power trigger mechanism, method of operating a power trigger mechanism, and power tool having the same  
**(51)** Int. Cl.  
**B25F 5/02** ( 2006.01 )  
**(31)** 22201686.7 **(32)** 14.10.22 **(33)** EP  
**(43)** 02.05.2024  
**(72)** LEE, Po Sum; CHEN, Le Dong  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023241375  
**(21)** 2023241375 **(22)** 06.10.2023  
**(54)** Walk behind power tools  
**(51)** Int. Cl.  
**A01D 34/82** ( 2006.01 )  
**A01D 34/68** ( 2006.01 )  
**(31)** 63/415356 **(32)** 12.10.22 **(33)** US  
**(43)** 02.05.2024  
**(72)** CRAVEN, Jordan; DUNGAN, Amanda; STEPHENS, Jeremiah; TORRENCE, Colby  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023248105  
**(21)** 2023248105 **(22)** 11.10.2023  
**(54)** Fluid and power provision apparatus  
**(51)** Int. Cl.  
**F16L 21/08** ( 2006.01 )  
**B60S 5/04** ( 2006.01 )  
**F02N 11/12** ( 2006.01 )  
**F02N 11/14** ( 2006.01 )  
**F04D 25/06** ( 2006.01 )  
**F16L 27/113** ( 2006.01 )  
**(31)** 17/963307 **(32)** 11.10.22 **(33)** US  
**(43)** 02.05.2024  
**(72)** PENG, Xiang; ZHONG, Jian Jian; ZHENG, Zhi Xuan; YE, Wen Qiang  
**(74)** Spruson & Ferguson

**(71)** Telesat Canada  
**(11)** AU-A-2024202166  
**(21)** 2024202166 **(22)** 04.04.2024  
**(54)** Dual LEO satellite system and method for global coverage  
**(51)** Int. Cl.  
**H04B 7/195** ( 2006.01 )  
**H04H 20/74** ( 2008.01 )  
**H04H 20/91** ( 2008.01 )  
**H04W 84/06** ( 2009.01 )  
**(43)** 02.05.2024

**(62)** 2022202348  
**(72)** WENDLING, David  
**(74)** Griffith Hack

**(71)** Terra Quantum AG  
**(11)** AU-A-2023237205  
**(21)** 2023237205 **(22)** 02.10.2023  
**(54)** Ferroelectric nanoparticle capacitor for non-binary logics  
**(51)** Int. Cl.  
**G11C 11/22** ( 2006.01 )  
**(31)** 22200942.5 **(32)** 11.10.22 **(33)** EP

**(43)** 02.05.2024  
**(72)** RAZUMNAYA, Anna; TIKHONOV, Yurii; LUKYANCHUK, Igor; VINOKOUR, Valerii  
**(74)** Griffith Hack

**(71)** Terra Quantum AG  
**(11)** AU-A-2023241268  
**(21)** 2023241268 **(22)** 03.10.2023  
**(54)** Ferroelectric nanoparticle capacitor for non-binary logics and method of operation  
**(51)** Int. Cl.  
**G11C 11/22** ( 2006.01 )  
**(31)** 22200942.5 **(32)** 11.10.22 **(33)** EP  
 23197777.8 15.09.23 EP  
**(43)** 02.05.2024  
**(72)** RAZUMNAYA, Anna; TIKHONOV, Yurii; LUKYANCHUK, Igor; VINOKOUR, Valerii  
**(74)** Griffith Hack

**(71)** The Chamberlain Group LLC  
**(11)** AU-A-2024202144  
**(21)** 2024202144 **(22)** 03.04.2024  
**(54)** Movable barrier operator having updatable security protocol  
**(51)** Int. Cl.  
**G06F 21/57** ( 2013.01 )  
**E05F 15/00** ( 2015.01 )  
**G06F 8/60** ( 2018.01 )  
**G06F 8/65** ( 2018.01 )  
**(43)** 02.05.2024  
**(62)** 2019217958  
**(72)** CATE, Casparus; MORRIS, David R.; SKOTTY, Brian Roy; SORICE, Cory  
**(74)** Spruson & Ferguson

**(71)** The Council of the Queensland Institute of Medical Research  
**(11)** AU-A-2024202148  
**(21)** 2024202148 **(22)** 03.04.2024  
**(54)** DETERMINING A CANCER PROGNOSIS  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 02.05.2024  
**(62)** 2017365709  
**(72)** Lobb, Richard; Leimgruber, Antoine; Möller, Andreas  
**(74)** James & Wells Intellectual Property

**(71)** The General Hospital Corporation  
**(11)** AU-A-2024201617  
**(21)** 2024201617 **(22)** 12.03.2024  
**(54)** SYSTEMS AND METHODS FOR RESPIRATORY-GATED NERVE STIMULATION  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )

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 (72) NAPADOW, Vitaly; GOLDSTEIN, Jill M.; GARCIA, Ronald G.; PLESS, Benjamin  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) The Gillette Company LLC  
 (11) AU-A-2024202234  
 (21) 2024202234 (22) 08.04.2024  
 (54) Manual oral care implement  
 (51) Int. Cl.  
*A46B 5/00* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022201733  
 (72) JUNGNIKEL, Uwe; ALINSKI, Jens  
 (74) Griffith Hack

(71) THEPOWER TOOL PTY LTD  
 (11) AU-A-2024202209  
 (21) 2024202209 (22) 05.04.2024  
 (54) System of standardized API Interpretation for Inter Application Communication  
 (51) Int. Cl.  
*G06Q 50/08* ( 2012.01 )  
*G06Q 10/06* ( 2023.01 )  
*G06Q 10/10* ( 2023.01 )  
 (43) 02.05.2024  
 (62) 2022201070  
 (72) LOWRY, Peter; LOWRY, John  
 (74) Wallington-Dummer

(71) The Regents of the University of California  
 (11) AU-A-2024202412  
 (21) 2024202412 (22) 12.04.2024  
 (54) Enhancing cognition in the presence of distraction and/or interruption  
 (51) Int. Cl.  
*G09B 3/00* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2022201778  
 (72) GAZZALEY, Adam  
 (74) FB Rice Pty Ltd

(71) The Regents of The University of California  
 (11) AU-A-2024202089  
 (21) 2024202089 (22) 02.04.2024  
 (54) A NOVEL IMMUNOPROBE-BASED METHOD TO ASSESS ORGAN INJURY STATUS THROUGH A BIOFLUID-BASED CELL-FREE DNA (CF-DNA) ASSAY  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
 (43) 02.05.2024  
 (62) 2017313138  
 (72) Sarwal, Minnie M.; Sigdel, Tara K.; Yang, Joshua Y.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) The University of Queensland  
 (11) AU-A-2024202465

(21) 2024202465 (22) 16.04.2024  
 (54) Detection method  
 (51) Int. Cl.  
*G01N 21/64* ( 2006.01 )  
*C07D 285/14* ( 2006.01 )  
*G01N 33/94* ( 2006.01 )

(43) 02.05.2024  
 (62) 2018354714  
 (72) BURN, Paul Leslie; SHAW, Paul Edward  
 (74) Davies Collison Cave Pty Ltd

(71) The University of Sheffield  
 (11) AU-A-2024202247  
 (21) 2024202247 (22) 08.04.2024  
 (54) Antimicrobial agent  
 (51) Int. Cl.  
*C07F 15/00* ( 2006.01 )  
*A61K 31/555* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )

(43) 02.05.2024  
 (62) 2020255332  
 (72) THOMAS, James Anthony; SMITTEN, Kirsty Laura  
 (74) Spruson & Ferguson

(71) Tompkins Robotics, Inc.  
 (11) AU-A-2024202140  
 (21) 2024202140 (22) 03.04.2024  
 (54) ARTICLE SORTING SYSTEM AND METHOD  
 (51) Int. Cl.  
*B07C 3/02* ( 2006.01 )

(43) 02.05.2024  
 (62) 2020289826  
 (72) Serstad, James M.; Futch, Michael C.  
 (74) RnB IP Pty Ltd

(71) Toshiba Energy Systems & Solutions Corporation  
 (11) AU-A-2023202063  
 (21) 2023202063 (22) 04.04.2023  
 (54) Blade damage evaluation system, blade damage evaluation method, and blade damage evaluation program  
 (51) Int. Cl.  
*F01D 21/00* ( 2006.01 )  
*F01D 5/12* ( 2006.01 )  
*G05B 23/02* ( 2006.01 )

(31) 2022-166707 (32) 18.10.22 (33) JP  
 (43) 02.05.2024  
 (72) Kawada, Yasutaka; Suzuki, Yusuke; Nakajima, Shota; Kawai, Yasuteru  
 (74) Davies Collison Cave Pty Ltd

Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba  
 (21) 2023204702

Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba  
 (21) 2023226691

Toshiba Infrastructure Systems & Solutions Corporation see Kabushiki Kaisha Toshiba  
 (21) 2024202441

(71) TPE Midstream LLC  
 (11) AU-A-2024202476  
 (21) 2024202476 (22) 16.04.2024  
 (54) CONFIGURABLE FLUID COMPRESSION APPARATUS, CONTROL, AND ASSOCIATED METHODS  
 (51) Int. Cl.  
*F15B 11/16* ( 2006.01 )  
*F15B 13/08* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021332210  
 (72) SAHM, Douglas A.; DEPEW, Carson  
 (74) James & Wells Intellectual Property

(71) TPE Midstream LLC  
 (11) AU-A-2024202479  
 (21) 2024202479 (22) 16.04.2024  
 (54) VALVE EVACUATION APPARATUS, CONTROL, AND ASSOCIATED METHODS  
 (51) Int. Cl.  
*F16K 24/04* ( 2006.01 )  
*F16K 15/04* ( 2006.01 )  
*F16K 15/20* ( 2006.01 )  
*F16K 17/02* ( 2006.01 )  
*F16K 37/00* ( 2006.01 )  
*F16L 55/07* ( 2006.01 )

(43) 02.05.2024  
 (62) 2021338355  
 (72) SAHM, Douglas A.  
 (74) James & Wells Intellectual Property

(71) TransMedics, Inc  
 (11) AU-A-2024202274  
 (21) 2024202274 (22) 09.04.2024  
 (54) Aortic cannula for ex vivo organ care system  
 (51) Int. Cl.  
*A61M 39/10* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2021215289  
 (72) RITCHIE, Greg; LAMBERT II, Vincent; BRINGHAM, Richard; SULLIVAN, John; HASSANEIN, Waleed H.  
 (74) Spruson & Ferguson

(71) Trevena, Inc.  
 (11) AU-A-2024202449  
 (21) 2024202449 (22) 15.04.2024  
 (54) Compounds for modulating S1P1 activity and methods of using the same  
 (51) Int. Cl.  
*A61K 31/4245* ( 2006.01 )  
 (43) 02.05.2024  
 (62) 2018282747  
 (72) PITIS, Philip Michael; BOYD, Robert Eugene; DAUBERT, Tamara Ann Miskowski; HAWKINS, Michael John; LIU, Guodong; SPEERSCHNEIDER, Aimee Crombie  
 (74) FB Rice Pty Ltd

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(71) TScan Therapeutics, Inc.  
 (11) AU-A-2023241306  
 (21) 2023241306 (22) 05.10.2023  
 (54) PRAME IMMUNOGENIC PEPTIDES,  
 BINDING PROTEINS RECOGNIZING  
 PRAME IMMUNOGENIC PEPTIDES,  
 AND USES THEREOF  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )  
*C12N 15/12* ( 2006.01 )  
*C12Q 1/04* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
*C12R 1/00* ( 2006.01 )  
 (31) 63/413,552 (32) 05.10.22 (33) US  
 63/423,294 07.11.22 US  
 (43) 02.05.2024  
 (72) Jurewicz, Mollie M.; Gurer, Cagan;  
 MacBeath, Gavin  
 (74) RnB IP Pty Ltd

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 BINDING PROTEINS RECOGNIZING  
 MAGEA1 IMMUNOGENIC PEPTIDES,  
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 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )  
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*C12Q 1/04* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
*C12R 1/00* ( 2006.01 )  
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(71) Turbosmart Pty Limited  
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 (54) Oil pressure regulator  
 (51) Int. Cl.  
*F02B 39/14* ( 2006.01 )  
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 (72) HARRIS, Rodney  
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(71) Tyagi, S.  
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 (54) AIR TURBINE STARTER WITH DE-  
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*F02C 7/277* ( 2006.01 )  
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 Chandrakant; Meyers, Shiloh Mont-  
 egomery; Dranschak, David Allan  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) Methods and compositions related to  
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*C12N 1/21* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) University of Louisville Research  
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 (54) Composition, Method and System for  
 Stabilising a Rock Mass  
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*C09K 17/44* ( 2006.01 )  
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 (72) CORNFORD, Ethan  
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 (54) DYNAMOMETER GRIP TOOL  
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*G01L 1/04* ( 2006.01 )  
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*G01L 5/00* ( 2006.01 )  
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 growth and yield in plants  
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(51) Int. Cl.  
B60W 60/00 ( 2020.01 )
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A61K 35/12 ( 2015.01 )  
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A61K 31/7088 ( 2006.01 )  
A61K 39/39 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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C22F 1/00 ( 2006.01 )  
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(51) Int. Cl.  
C22C 14/00 ( 2006.01 )  
C22C 19/00 ( 2006.01 )  
C22C 19/03 ( 2006.01 )  
C22F 1/00 ( 2006.01 )  
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(54) MODULAR FLOATING STRUCTURE  
(51) Int. Cl.  
A01G 9/02 ( 2018.01 )  
A01G 9/033 ( 2018.01 )  
B63B 35/38 ( 2006.01 )  
C02F 3/32 ( 2023.01 )
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*C07F 9/02* ( 2006.01 )  
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 (54) DATABASE MANAGEMENT AND GRAPHICAL USER INTERFACES FOR MEASUREMENTS COLLECTED BY ANALYZING BLOOD  
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*G06F 15/00* ( 2006.01 )  
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(71) Wing Acoustics Limited  
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 (21) 2024202126 (22) 03.04.2024  
 (54) IMPROVEMENTS IN OR RELATING TO AUDIO TRANSDUCERS  
 (51) Int. Cl.  
*H04R 7/04* ( 2006.01 )  
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 (74) Discover IP

(71) Wing Aviation LLC  
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 (54) A backup navigation system for unmanned aerial vehicles  
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 (51) Int. Cl.  
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*C07K 14/435* ( 2006.01 )  
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*G01N 33/569* ( 2006.01 )  
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 (51) Int. Cl.  
*B65D 81/38* ( 2006.01 )  
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(21) 2024202178 (22) 04.04.2024  
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(21) 2023248149 (22) 12.10.2023  
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(51) Int. Cl.  
*H05K 7/00* ( 2006.01 )  
*H01M 50/141* ( 2021.01 )  
*H01M 50/204* ( 2021.01 )  
*H02B 1/015* ( 2006.01 )  
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(72) Wang, Qinyun; Gao, Yunhui  
(74) Madders Pty Ltd
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(21) 2023200105 (22) 10.01.2023  
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(51) Int. Cl.  
*G07C 9/29* ( 2020.01 )  
*G06F 21/45* ( 2013.01 )  
(31) 17/968,459 (32) 18.10.22 (33) US  
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<b>2022246413</b>	rielly, j.	<b>2023226709</b>	Deere & Company
<b>2022246436</b>	Energys Australia Pty Ltd	<b>2023226722</b>	Deere & Company
<b>2022246481</b>	Masoomi, Z.	<b>2023226774</b>	Modern Flames, LLC
<b>2022252711</b>	Masoomi, Z.	<b>2023229573</b>	IGT
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<b>2022252783</b>	Canon Kabushiki Kaisha	<b>2023233135</b>	VOLVO AUTONOMOUS SOLUTIONS AB
<b>2022252784</b>	Canon Kabushiki Kaisha	<b>2023233144</b>	Freudenberg Medical, LLC
<b>2022252785</b>	Canon Kabushiki Kaisha	<b>2023233189</b>	BAKER HUGHES OILFIELD OPERATIONS LLC
<b>2022252816</b>	Curtis, S.	<b>2023233206</b>	SK Innovation Co., Ltd.
<b>2022252827</b>	Ivory, S.	<b>2023237092</b>	Industrie Borla S.p.A.
<b>2022256082</b>	Brandt Industries Canada Ltd.	<b>2023237168</b>	Smith & Loveless Inc.
<b>2022256091</b>	Pickering, T.	<b>2023237173</b>	CHINA TIN NONFERROUS METALS CO., LTD.;
<b>2022256108</b>	CAF Corporation Pty Ltd		CHINA TIN GROUP CO., LTD.
<b>2022271512</b>	Kalinowski, A.	<b>2023237176</b>	Techtronic Cordless GP
<b>2022440630</b>	VALD PTY LTD	<b>2023237205</b>	Terra Quantum AG
<b>2022463049</b>	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.	<b>2023241267</b>	ColdQuanta, Inc.
<b>2022463052</b>	XIAMEN XIRUI IMP&EXP CO., LTD.	<b>2023241268</b>	Terra Quantum AG
<b>2022473117</b>	BEIJING NATON MEDICAL TECHNOLOGY HOLDINGS CO., LTD.	<b>2023241272</b>	Techtronic Cordless GP
<b>2023200063</b>	Shenzhen Seauto Technology Co.,Ltd.	<b>2023241275</b>	Techtronic Cordless GP
<b>2023200105</b>	ZHENG, L.; PIN GENIE LIMITED	<b>2023241283</b>	Technetix B.V.
<b>2023200396</b>	Inner Mongolia Electric Power Research Institute Branch of Inner Mongolia Electric Power (Group) Co., Ltd.	<b>2023241288</b>	Hawthorne Holdings Pty Ltd
<b>2023200467</b>	Sharp Kabushiki Kaisha	<b>2023241290</b>	CATERPILLAR INC.
<b>2023200535</b>	Sharp Kabushiki Kaisha	<b>2023241305</b>	Uniquip Group Pty Ltd
<b>2023200618</b>	Sharp Kabushiki Kaisha	<b>2023241306</b>	TScan Therapeutics, Inc.
<b>2023201491</b>	Golden Solar (Quanzhou) New Energy Technology Co., Ltd.	<b>2023241307</b>	TScan Therapeutics, Inc.
<b>2023201618</b>	CLASSUM Co., Ltd	<b>2023241311</b>	Obrizum Group Ltd.
<b>2023201991</b>	Canva Pty Ltd	<b>2023241319</b>	McGrath Engineering Limited
<b>2023202063</b>	Toshiba Energy Systems & Solutions Corporation	<b>2023241342</b>	Acer Incorporated
<b>2023202123</b>	JANG, S.H.	<b>2023241353</b>	Modra, C.
<b>2023202278</b>	Polyplastic B.V.	<b>2023241354</b>	Avidbots
<b>2023202612</b>	VALD Pty Ltd	<b>2023241375</b>	Techtronic Cordless GP
<b>2023202683</b>	Eden Paving Group Pty Ltd	<b>2023241377</b>	Huang, V.
<b>2023202740</b>	MFTB Holdco, Inc.	<b>2023241378</b>	Turbosmart Pty Limited
<b>2023203580</b>	REE UNO SPA	<b>2023241379</b>	EPTA S.p.A.
<b>2023204076</b>	ARK HARDWARE PTY LTD	<b>2023242090</b>	Air Products and Chemicals, Inc.
<b>2023204340</b>	Shuyang County Shanshan Distillery	<b>2023243420</b>	Air Products and Chemicals, Inc.
<b>2023204702</b>	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	<b>2023248045</b>	KRISH CAPITAL PTY LTD
<b>2023206166</b>	Sungrow Hydrogen Sci. & Tech. Co., Ltd	<b>2023248046</b>	KRISH CAPITAL PTY LTD
<b>2023210597</b>	Manta Sleep LLC	<b>2023248060</b>	Sungrow Power Supply Co., Ltd.
<b>2023210676</b>	Adobe Inc.	<b>2023248073</b>	IP Reserve Pty Ltd
<b>2023210677</b>	Adobe Inc.	<b>2023248074</b>	Kolodziejczyk, B.
<b>2023211258</b>	Adobe Inc.	<b>2023248077</b>	Solmax International Inc.
<b>2023214209</b>	Adobe Inc.	<b>2023248095</b>	Sap Products Limited
<b>2023214214</b>	Adobe Inc.	<b>2023248096</b>	Barrett, P.
<b>2023214217</b>	Adobe Inc.	<b>2023248102</b>	Acorn Engineering Company
<b>2023214238</b>	Electrolux Appliances Aktiebolag	<b>2023248105</b>	Techtronic Cordless GP
<b>2023214402</b>	Legal Aspirations Pty Ltd	<b>2023248114</b>	AVID Property Group Pty Ltd
<b>2023216768</b>	Adobe Inc.	<b>2023248139</b>	Relativity Space, Inc.
<b>2023216770</b>	Adobe Inc.	<b>2023248148</b>	HBI Branded Apparel Enterprises, LLC
<b>2023216839</b>	Harris, M.	<b>2023248149</b>	Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.
<b>2023222906</b>	Dart Industries Inc.	<b>2023248188</b>	Snap-on Incorporated
<b>2023222918</b>	Agency for Defense Development	<b>2023248192</b>	Morales, Á.M.; Alcalá-Galiano, F.L.
<b>2023222920</b>	KOREA ZINC CO., LTD.	<b>2023251399</b>	LCS Advanced Solutions
<b>2023222922</b>	KOREA ZINC CO., LTD.	<b>2023251410</b>	Mech Engineering Services Pty Ltd
<b>2023226673</b>	Geberit International AG	<b>2023251415</b>	Decarbtek Global Corp.
<b>2023226687</b>	Deere & Company	<b>2023251431</b>	Select Harvests Limited
<b>2023226691</b>	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	<b>2023251457</b>	Baker, K.
		<b>2023251557</b>	CHINA UNIVERSITY OF MINING AND TECHNOLOGY;
		<b>2023254942</b>	XUZHOU USURE MINING TECHNOLOGY CO., LTD
		<b>2023336073</b>	PETROLEO BRASILEIRO S.A. - PETROBRAS
		<b>2023339437</b>	QUAD S CONTROLS PTY LTD
		<b>2023348038</b>	GINLONG TECHNOLOGIES CO., LTD.
		<b>2024200758</b>	GINLONG TECHNOLOGIES CO., LTD.
		<b>2024200847</b>	Amgen Inc.
			MedImmune, LLC



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2024201488	Colorado State University Research Foundation	2024202158	Sigma-Aldrich Co. LLC
2024201552	Ohio State Innovation Foundation	2024202160	Unison Industries, LLC
2024201617	The General Hospital Corporation	2024202161	Dupont Industrial BioSciences USA, LLC
2024201685	Integrated DNA Technologies, Inc.	2024202163	Apple Inc.
2024201692	Edico Genome, Corp.	2024202165	Orica International Pte Ltd
2024201755	Byford Equipment Pty Ltd	2024202166	Telesat Canada
2024201770	Alnylam Pharmaceuticals, Inc.	2024202167	YETI Coolers, LLC
2024201828	ATNX SPV, LLC	2024202169	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2024201862	Sonoco Development, Inc.	2024202170	Novartis AG
2024201865	W. L. Gore & Associates, Inc.	2024202172	ADOC SSF, LLC
2024201875	Neolitics, Inc.	2024202173	Vacrest Pty Ltd
2024201911	RESPIRI LIMITED	2024202174	Fox Sports Productions, LLC
2024201914	Arlec Australia Pty Ltd	2024202175	2MT Mining Products Pty Ltd
2024201930	JM & ZC HOLDINGS PTY LTD	2024202176	Myota, Inc.
2024202011	University of Louisville Research Foundation	2024202178	Ypsomed AG
2024202026	Mosaic Materials, LLC	2024202180	Axogen Corporation
2024202032	Vycellix Inc	2024202181	Colgate-Palmolive Company
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2024202060	Bedgear, LLC	2024202185	Dexcom, Inc.
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2024202098	Eddy Current Limited Partnership	2024202193	Avery Dennison Retail Information Services LLC
2024202099	Kleen Hy-Dro-Gen Inc.	2024202195	Emory University
2024202100	Eddy Current Limited Partnership	2024202198	Leica Biosystems Imaging, Inc.
2024202102	Board of Regents, The University of Texas System; STCube & Co., Inc.	2024202201	Power Distribution, Inc.
2024202104	Joy Global Underground Mining LLC	2024202202	ConforMIS, Inc.
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2024202106	Esperion Therapeutics, Inc.	2024202205	Sony Group Corporation
2024202107	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2024202207	Hunter Douglas Industries B.V.
2024202109	Incyte Corporation	2024202208	Smith & Nephew plc
2024202110	IG6 Pty Ltd	2024202209	THEPOWER TOOL PTY LTD
2024202111	Baxter Healthcare SA; Baxter International Inc	2024202211	Lakewood Amedex, Inc.
2024202112	Neuboron Therapy System Ltd.	2024202214	INCREDO LTD
2024202113	Gas Technology Institute	2024202215	Janssen Biotech, Inc.
2024202114	Litherland, C.; Jaccoma, A.; Jaccoma, E.	2024202216	SOUTH COUNTRY EQUIPMENT LTD.
2024202115	Huawei Technologies Co., Ltd.	2024202217	Grand Performance Online Pty Ltd
2024202116	Huawei Technologies Co., Ltd.	2024202219	Caterpillar Inc.
2024202117	VOR Biopharma, Inc.	2024202222	Grand Performance Online Pty Ltd
2024202118	Intervet International B.V.	2024202224	Becton, Dickinson and Company
2024202120	Proprio, Inc.	2024202226	Avent Investment, LLC
2024202122	TANAR CORP.	2024202228	Angel Group Co., Ltd.
2024202123	Filip Sedic	2024202231	MedImmune, LLC; Humabs Biomed SA
2024202124	DataInfoCom USA, Inc.	2024202232	Carnegie Mellon University
2024202125	DataInfoCom USA, Inc.	2024202233	Washington University; Sage Therapeutics, Inc.
2024202126	Wing Acoustics Limited	2024202234	The Gillette Company LLC
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2024202129	Walker, C.; Lucke, T.	2024202243	DePuy Synthes Products, Inc.
2024202132	W. L. Gore & Associates, Inc.	2024202247	The University of Sheffield
2024202134	W. L. Gore & Associates, Inc.	2024202248	LG Electronics Inc.
2024202135	CRRC Qishuyan Institute Co., Ltd.	2024202250	Atopic Medical, Inc.
2024202139	Dignity Health	2024202251	VEREVAS, INC.
2024202140	Tompkins Robotics, Inc.	2024202252	Meso Scale Technologies, LLC
2024202141	CFPH, L.L.C.	2024202254	NOVARTIS AG
2024202143	LG Electronics Inc.	2024202256	Mazzer Luigi S.p.A.
2024202144	The Chamberlain Group LLC	2024202258	2WP International Pty Ltd
2024202146	Grail, LLC	2024202259	EquipmentShare.com Inc.
2024202147	Ischemix LLC	2024202260	EquipmentShare.com Inc.
2024202148	The Council of the Queensland Institute of Medical Research	2024202261	EquipmentShare.com Inc.
2024202149	NEXTracker Inc.	2024202262	EquipmentShare.com Inc.
2024202150	Hiroshima University; Kyushu University, National University Corporation	2024202263	Novartis AG
2024202151	Becton, Dickinson and Company	2024202264	Stryker Corporation
2024202152	CBRE, Inc.	2024202265	Crown Equipment Corporation
2024202153	Biocompatibles UK Limited; Ramadhyani, S.; Kveen, G.; Natesan, H.	2024202267	Tyagi, S.
2024202155	Intarcia Therapeutics, Inc.	2024202269	Tau Motors, Inc.
2024202156	Wing Aviation LLC	2024202271	Xiamen University; Xiamen Innodx Biotech Co., Ltd; BEIJING WANTAI BIOLOGICAL PHARMACY ENTERPRISE CO., LTD.
		2024202274	TransMedics, Inc
		2024202277	LG Electronics Inc.

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2024202286	Purigen Biosystems, Inc.	2024202417	BOE Technology Group Co., Ltd.
2024202290	Acerta Pharma B.V.	2024202418	Valent BioSciences LLC
2024202291	LG Electronics Inc.	2024202428	E Ink Corporation
2024202293	Regeneron Pharmaceuticals, Inc.	2024202429	Akroswiss AG
2024202294	Regeneron Pharmaceuticals, Inc.	2024202430	Akroswiss AG
2024202295	WATTS REGULATOR CO.	2024202433	Novelis Inc.
2024202298	ARCHER AVIATION, INC.	2024202435	mitsubishi kakoki kaisha, ltd.
2024202299	Boehringer Ingelheim International GmbH	2024202436	Stryker Corporation
2024202300	Janssen Biotech, Inc.; Stichting VUmC	2024202438	Snap-on Incorporated
2024202301	Dolby International AB	2024202441	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation
2024202306	Janssen Pharmaceutica NV	2024202442	Fisher & Paykel Healthcare Limited
2024202307	CFPH, LLC	2024202449	Trevena, Inc.
2024202309	Fisher & Paykel Healthcare Limited	2024202456	Differential Dynamics Corporation; Han, K.S.
2024202310	PRG S&Tech Inc.	2024202460	Itron, Inc.
2024202311	Ripple Luxembourg S.A.	2024202461	Pride Mobility Products Corporation
2024202313	Stats LLC	2024202463	Memorial Sloan-Kettering Cancer Center
2024202315	Boston Scientific Scimed, Inc.	2024202464	MyoKardia, Inc.
2024202316	Nicoventures Trading Limited	2024202465	The University of Queensland
2024202326	IDEMIA France	2024202466	Wave Life Sciences Ltd.
2024202327	Leti Pharma, S.L.	2024202468	AbbVie S.á.r.l.; Galapagos NV
2024202329	Hologic, Inc.	2024202474	Qualyst Transporter Solutions, LLC
2024202331	Pierson Capital Environmental (Beijing) Limited	2024202476	TPE Midstream LLC
2024202332	Revolution Medicines, Inc.	2024202477	Rigshospitalet
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2024202338	Alpha Tau Medical Ltd.		
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2024202340	Star BP, Inc.		
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2024202342	FISHER & PAYKEL HEALTHCARE LIMITED		
2024202343	Vitaflo International Ltd; UCL Business LTD		
2024202344	Apple Inc.		
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2024202359	Schneider Electric USA, Inc.		
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2024202365	LG Electronics Inc.		
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2024202368	Aladdin Manufacturing Corporation		
2024202370	MJNN LLC		
2024202373	Rimini Street, Inc.		
2024202376	WELLDON, INC.		
2024202377	Promat Australia Pty Ltd		
2024202380	Kinarus AG		
2024202383	Schlage Lock Company LLC		
2024202384	Abbott Diabetes Care Inc.		
2024202387	Qualcomm Incorporated		
2024202388	Congreve, A.		
2024202389	Rehabilitation Institute of Chicago		
2024202391	Pfizer Inc.		
2024202392	LG Electronics Inc.		
2024202393	BARGENT THERAPEUTICS PTY LIMITED		
2024202396	Chr. Hansen A/S		
2024202397	Aristocrat Technologies Australia Pty Limited		
2024202398	Epizyme, Inc.		
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2024202401	Solar Choice 1 Pty Ltd		
2024202402	Aristocrat Technologies Australia Pty Limited		
2024202403	LG Electronics Inc.		
2024202405	Hivestack Inc.		
2024202408	NZP1027 Ltd		
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2024202410	Aqseptence Group, Inc		
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				2024202429	2024202339
				2024202430	2024202346
				<b><u>A61N 1 /-</u></b> 2024201617	<b><u>A61Q 11 /-</u></b> 2024202181
				2024202226	2024202032
				<b><u>A61N 5 /-</u></b> 2024202112	2024202032
				2024202338	2024202300
				2024202339	2024202338
				<b><u>A61P 11 /-</u></b> 2024202468	2024202339
				<b><u>A61P 15 /-</u></b> 2024202170	2024202346
					<b><u>A61Q 17 /-</u></b> 2023251399
					<b><u>A62C 2 /-</u></b> 2024202110
					2024202377
					<b><u>A62C 3 /-</u></b> 2024202377
					<b><u>A63B 21 /-</u></b> 2023202612
					<b><u>A63B 23 /-</u></b> 2023202612
					<b><u>A63B 24 /-</u></b> 2023202612
					<b><u>A63F 13 /-</u></b> 2024202397
					2024202402

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<b>A63F 9 /-</b> 2024202307	<b>B07C 3 /-</b> 2024202140	<b>B60K 7 /-</b> 2024202135	2024202430	<b>C04B 40 /-</b> 2024202173	<b>C07J 1 /-</b> 2024202233
<b>B01D 15 /-</b> 2024202294	<b>B08B 5 /-</b> 2022252777	<b>B60L 3 /-</b> 2023233126	<b>B65B 7 /-</b> 2024202429 2024202430	<b>C05F 11 /-</b> 2023251431	<b>C07J 7 /-</b> 2024202233
<b>B01D 21 /-</b> 2023237168	<b>B09B 3 /-</b> 2023202683	<b>B60L 7 /-</b> 2024202098	<b>B65D 19 /-</b> 2023248073	<b>C07C 215 /-</b> 2024202205	<b>C07J 9 /-</b> 2024202233
<b>B01D 25 /-</b> 2023251410	<b>B23C 5 /-</b> 2023241353	<b>B60L 8 /-</b> 2023216839	<b>B65D 5 /-</b> 2024201862	<b>C07D 213 /-</b> 2024202290 2024202337	<b>C07K 1 /-</b> 2024202299 2024202327
<b>B01D 29 /-</b> 2023251410	<b>B23P 19 /-</b> 2024202438	<b>B60P 1 /-</b> 2022256082	<b>B65D 71 /-</b> 2022252816	<b>C07D 239 /-</b> 2024202464	<b>C07K 14 /-</b> 2023241306 2023241307 2024202117 2024202150 2024202155 2024202172 2024202251 2024202271 2024202396 2024202400
<b>B01D 33 /-</b> 2024202410	<b>B24D 15 /-</b> 2024202258	<b>B60P 3 /-</b> 2022252827	<b>B65D 75 /-</b> 2024201862	<b>C07D 285 /-</b> 2024202465	
<b>B01D 35 /-</b> 2023237092 2023251410 2024202435	<b>B25B 27 /-</b> 2024202438	<b>B60R 11 /-</b> 2023216839	<b>B65D 81 /-</b> 2024202167	<b>C07D 401 /-</b> 2024202088 2024202105 2024202337 2024202464	
<b>B01D 53 /-</b> 2024202026	<b>B25F 5 /-</b> 2023241275 2023248188	<b>B60R 9 /-</b> 2023216839	<b>B65D 85 /-</b> 2024202433		
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<b>B01F 11 /-</b> 2024202252	<b>B27G 13 /-</b> 2023241353	<b>B60W 50 /-</b> 2023233126	<b>B65D 90 /-</b> 2022256082	<b>C07D 405 /-</b> 2024202464	
<b>B01F 25 /-</b> 2024202286	<b>B29C 48 /-</b> 2024201914	<b>B60W 60 /-</b> 2023233135	<b>B65G 1 /-</b> 2024202265	<b>C07D 413 /-</b> 2024202464 2024202468	
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<b>B01J 20 /-</b> 2024202026	<b>B29C 67 /-</b> 2024202232	<b>B62D 53 /-</b> 2024201755	<b>B65H 75 /-</b> 2022252744	<b>C07D 471 /-</b> 2024202105	<b>C07K 19 /-</b> 2024202150 2024202300
<b>B01J 23 /-</b> 2024202113	<b>B29C 70 /-</b> 2023202683	<b>B62D 55 /-</b> 2022256082 2024202219	<b>B66C 23 /-</b> 2024202104	<b>C07D 487 /-</b> 2024202290	<b>C07K 4 /-</b> 2024202150
<b>B01J 8 /-</b> 2023233206	<b>B29K 105 /-</b> 2023202683	<b>B62D 63 /-</b> 2022252827	<b>B66F 9 /-</b> 2024202265	<b>C07D 493 /-</b> 2024202310	<b>C07K 7 /-</b> 2024202477
<b>B01L 3 /-</b> 2024202252 2024202391	<b>B29K 67 /-</b> 2023202683	<b>B62K 13 /-</b> 2024202408	<b>B81B 1 /-</b> 2024202286	<b>C07D 498 /-</b> 2024202332	<b>C08B 37 /-</b> 2024202331
<b>B01L 7 /-</b> 2024202391	<b>B29L 31 /-</b> 2024201914	<b>B62K 9 /-</b> 2024202408	<b>C01B 3 /-</b> 2023233206 2023251415 2024202113	<b>C07F 1 /-</b> 2024202477	<b>C08G 63 /-</b> 2024202161
<b>B02C 23 /-</b> 2023241377	<b>B33Y 30 /-</b> 2023248139	<b>B63B 21 /-</b> 2022252744	<b>C01B 32 /-</b> 2023233206	<b>C07F 15 /-</b> 2024202247	<b>C09B 69 /-</b> 2024202205
<b>B03C 1 /-</b> 2023241377	<b>B60B 11 /-</b> 2024202135	<b>B63B 35 /-</b> 2024202129	<b>C01C 1 /-</b> 2023251415	<b>C07F 5 /-</b> 2024202477	<b>C09K 17 /-</b> 2024202173
<b>B05B 1 /-</b> 2022252777	<b>B60B 27 /-</b> 2024202135	<b>B64C 11 /-</b> 2024202298	<b>C01F 17 /-</b> 2023203580	<b>C07F 9 /-</b> 2024202205 2024202466	<b>C10B 53 /-</b> 2023251415
<b>B05B 15 /-</b> 2022252777	<b>B60B 30 /-</b> 2024202135	<b>B64C 29 /-</b> 2024202298	<b>C02F 1 /-</b> 2023237168 2023251410	<b>C07G 1 /-</b> 2024202331	<b>C10G 1 /-</b> 2024202113
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<b>B07B 1 /-</b> 2023241319	<b>B60J 7 /-</b> 2023202278	<b>B65B 3 /-</b> 2024202429 2024202430	<b>C04B 111 /-</b> 2024202173	<b>C07H 21 /-</b> 2024202345 2024202398 2024202466	<b>C10G 45 /-</b> 2024202113
<b>B07B 13 /-</b> 2023241319	<b>B60K 16 /-</b> 2023216839	<b>B65B 31 /-</b> 2024202167 2024202429	<b>C04B 28 /-</b> 2024202173		<b>C10J 3 /-</b> 2023251415

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<b>C12G 3 /-</b> 2023204340	<b>C22B 34 /-</b> 2023226695	<b>E03D 5 /-</b> 2023226673	<b>E21B 43 /-</b> 2023251557	<b>F16B 15 /-</b> 2023232282	<b>F24C 15 /-</b> 2023226774
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<b>C12N 1 /-</b> 2023251431 2024202350	<b>C22C 14 /-</b> 2024202132 2024202134	<b>E04B 1 /-</b> 2022256108 2023248114	<b>E21C 41 /-</b> 2022252729	<b>F16B 45 /-</b> 2023248096	<b>F24D 12 /-</b> 2024202099
<b>C12N 15 /-</b> 2023241306 2023241307 2024200870 2024201685 2024201770 2024202032 2024202158 2024202254 2024202293 2024202350	<b>C22C 19 /-</b> 2024202132 2024202134	<b>E04B 5 /-</b> 2023251457	<b>F01D 1 /-</b> 2023248074	<b>F16B 5 /-</b> 2022256108	<b>F24D 13 /-</b> 2024201914
<b>C12N 5 /-</b> 2023241306 2023241307 2024201552 2024202117 2024202151 2024202350 2024202398	<b>C22F 1 /-</b> 2024202132 2024202134	<b>E04B 7 /-</b> 2022256108 2023232282	<b>F01D 21 /-</b> 2023202063	<b>F16B 7 /-</b> 2023248188	<b>F24H 3 /-</b> 2024202099
<b>C12N 9 /-</b> 2024202150 2024202158 2024202254 2024202396	<b>C25B 11 /-</b> 2023226691	<b>E04C 2 /-</b> 2023251457 2024202203	<b>F01D 5 /-</b> 2023202063	<b>F16D 9 /-</b> 2024202160	<b>F25B 1 /-</b> 2023241379
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<b>C12R 1 /-</b> 2023204340 2023241306 2023241307 2023251431	<b>D04H 1 /-</b> 2024202368	<b>E04F 15 /-</b> 2023251457	<b>F01K 25 /-</b> 2023248074	<b>F16H 57 /-</b> 2024202135	<b>F25J 5 /-</b> 2023243420
<b>C22B 1 /-</b> 2023241377	<b>D04H 11 /-</b> 2024202368	<b>E04F 17 /-</b> 2024202377	<b>F01K 3 /-</b> 2023204702	<b>F16H 61 /-</b> 2024202456	<b>F27D 25 /-</b> 2022252777
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<b>C22B 19 /-</b> 2023222920 2023222922	<b>D06N 7 /-</b> 2024202368	<b>E04G 21 /-</b> 2023251457 2024202110	<b>F01M 1 /-</b> 2023241378	<b>F16K 15 /-</b> 2024202479	<b>F42D 1 /-</b> 2024202165
<b>C22B 23 /-</b> 2023241377	<b>D21B 1 /-</b> 2024202331	<b>E04H 1 /-</b> 2022256108	<b>F02B 37 /-</b> 2023241378	<b>F16K 17 /-</b> 2024202479	<b>F42D 3 /-</b> 2023241290 2024202165
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	<b>D21C 7 /-</b> 2024202331	<b>E05D 3 /-</b> 2023241353	<b>F02K 3 /-</b> 2023222918	<b>F16K 37 /-</b> 2024202479	<b>G01C 21 /-</b> 2024202156
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	<b>E02D 31 /-</b> 2023248077	<b>E06B 7 /-</b> 2023241353	<b>F03D 15 /-</b> 2024202456	<b>F16L 27 /-</b> 2023248105	<b>G01J 3 /-</b> 2024201875
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			<b>F04D 5 /-</b> 2023248074		<b>G01L 1 /-</b> 2023202612
			<b>F15B 11 /-</b> 2024202476		

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<b>G05B 11 /-</b> 2023226673	<b>G06F 3 /-</b> 2022246408 2023210677 2023211258 2024201488	<b>G06Q 40 /-</b> 2023248045 2023248046 2024202124 2024202125 2024202152 2024202415	<b>G06V 40 /-</b> 2023216768	<b>G11C 11 /-</b> 2023237205 2023241268	<b>H01M 8 /-</b> 2022246436
<b>G05B 13 /-</b> 2023226673	<b>G06F 3 /-</b> 2022246408 2023210677 2023211258 2024201488	<b>G06Q 40 /-</b> 2023248045 2023248046 2024202124 2024202125 2024202152 2024202415	<b>G06V 40 /-</b> 2023216768	<b>G16B 20 /-</b> 2024202146	<b>H01M 8 /-</b> 2022246436
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     Heng Tri; Rigby, William Patrick Patton  
 (74) Michael Buck IP

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 (45) 02.05.2024  
 (72) D'AMATO, Gianfranco  
 (74) FPA Patent Attorneys Pty Ltd

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 dense storage  
 (51) Int. Cl.  
     **B65G 1/04** ( 2006.01 )  
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 (72) LIU, Kai  
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 cancer marker and kit  
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     **G01N 33/68** ( 2006.01 )  
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 (72) WAN, Yi; CUI, Hongyang  
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<p>(71) A-ALPHA BIO, INC. (11) AU-A-2022348424 (21) 2022348424 (22) 09.09.2022 (54) METHODS FOR IDENTIFYING PROTEIN CODING SEQUENCES USING DNA BARCODES (51) Int. Cl. C12Q 1/6858 ( 2018.01 ) C12Q 1/6811 ( 2018.01 ) C12Q 1/6855 ( 2018.01 ) (87) WO2023/043685 (31) 63/244,957 (32) 16.09.21 (33) US (43) 23.03.2023 (72) YOUNGER, David; LOPEZ, Randolph; EMERSON, Ryan (74) Spruson &amp; Ferguson</p>	<p>(71) ABIOMED, INC. (11) AU-A-2022375662 (21) 2022375662 (22) 26.10.2022 (54) EXPANDABLE INTRODUCER SHEATH FOR MEDICAL DEVICE (51) Int. Cl. A61M 25/00 ( 2006.01 ) A61M 25/06 ( 2006.01 ) (87) WO2023/076372 (31) 63/272,951 (32) 28.10.21 (33) US (43) 04.05.2023 (72) KORKUCH, Christopher, Nason; BARRY, Jonathan; M'CLOUGHLIN, Anne, Gabrielle; KIRKPATRICK, Robert; XU, Ying; FANTUZZI, Glen, R.; FISHMAN, Robert; RAJARAM, Mithun; D'AGOSTINO, Matthew (74) Davies Collison Cave Pty Ltd</p>	<p>(71) AC IMMUNE SA (11) AU-A-2022385416 (21) 2022385416 (22) 10.11.2022 (54) 4H-IMIDAZO[1,5-B]PYRAZOLE DERIVATIVES FOR DIAGNOSIS (51) Int. Cl. C07D 487/04 ( 2006.01 ) A61K 31/4162 ( 2006.01 ) A61K 51/00 ( 2006.01 ) (87) WO2023/084000 (31) 21207613.7 (32) 10.11.21 (33) EP (43) 19.05.2023 (72) MOLETTE, Jérôme (74) Griffith Hack</p>
<p>(71) ABCELLERA BIOLOGICS INC. (11) AU-A-2022357559 (21) 2022357559 (22) 30.09.2022 (54) TRANSGENIC RODENTS FOR CELL LINE IDENTIFICATION AND ENRICHMENT (51) Int. Cl. C12N 5/0781 ( 2010.01 ) C12N 15/65 ( 2006.01 ) C12N 15/85 ( 2006.01 ) (87) WO2023/056430 (31) 63/261,987 (32) 01.10.21 (33) US (43) 06.04.2023 (72) XIANG, Ping; WEI, Wei; PELLACANI, Davide; RUSCHMANN, Jens (74) WRAYS PTY LTD</p>	<p>(71) KORKUCH, Christopher, Nason; BARRY, Jonathan; M'CLOUGHLIN, Anne, Gabrielle; KIRKPATRICK, Robert; XU, Ying; FANTUZZI, Glen, R.; FISHMAN, Robert; RAJARAM, Mithun; D'AGOSTINO, Matthew (74) Davies Collison Cave Pty Ltd</p> <p>(71) ABIOMED, INC. (11) AU-A-2022379554 (21) 2022379554 (22) 28.10.2022 (54) CONTROLLED PURGE RECOVERY USING TISSUE PLASMINOGEN ACTIVATOR (TPA) (51) Int. Cl. A61M 60/829 ( 2021.01 ) (87) WO2023/076603 (31) 63/273,424 (32) 29.10.21 (33) US (43) 04.05.2023 (72) STACEY, Gary; DAS, Soumen; CORBETT, Scott, C.; GABRIEL, James; SHIP, Alexander (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ADAGIO MEDICAL, INC. (11) AU-A-2022355064 (21) 2022355064 (22) 22.09.2022 (54) MULTI-MODALITY ABLATION CATHETER HAVING A SHAPE MEMORY STYLET (51) Int. Cl. A61B 18/02 ( 2006.01 ) A61B 18/14 ( 2006.01 ) (87) WO2023/056211 (31) 17/489,213 (32) 29.09.21 (33) US (43) 06.04.2023 (72) RUPP, Kevin D.; BABKIN, Alexei V.; SHAHRIARI, Shirzad; CHONG, Hou Man; NOURIAN, Pedram; AHMED, Faysal S. (74) FB Rice Pty Ltd</p>
<p>(71) AB ENZYMES GMBH (11) AU-A-2022384583 (21) 2022384583 (22) 08.11.2022 (54) IMPROVED XYLANASES (51) Int. Cl.</p>	<p>(71) ACHIEVE LIFE SCIENCES, INC. (11) AU-A-2022341978 (21) 2022341978 (22) 07.09.2022 (54) ANALYTICAL METHODS OF ASSESSING CYTISINE PURITY (51) Int. Cl. G01N 30/02 ( 2006.01 ) G01N 30/04 ( 2006.01 ) G01N 30/60 ( 2006.01 ) G01N 30/28 ( 2006.01 ) (87) WO2023/038931 (31) 63/241,829 (32) 08.09.21 (33) US</p>	<p>(71) ADRENALINEIP (11) AU-A-2022362304 (21) 2022362304 (22) 14.10.2022 (54) METHODS, SYSTEMS, AND APPARATUS FOR PROCESSING SPORTS-RELATED DATA (51) Int. Cl. G06Q 50/34 ( 2012.01 ) G07F 17/32 ( 2006.01 ) G06N 20/00 ( 2019.01 ) (87) WO2023/064563 (31) 63/256,103 (32) 15.10.21 (33) US (43) 20.04.2023 (72) HUKU, Casey Alexander; BEYERS, Joseph W.; CRONIN, John; D'ANDREA, Michael; GRANT, Harrison; BODKIN, Joseph (74) Michael Buck IP</p>
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 (54) ADVANCED BENEFICIATION PROCESS FOR BENEFICIATION, MOBILIZATION, EXTRACTION, SEPARATION, AND CONCENTRATION OF MINERALOGICAL RESOURCES  
 (51) Int. Cl.  
**C22B 59/00** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
**B09B 3/40** ( 2022.01 )  
**C22B 7/00** ( 2006.01 )  
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 (74) James & Wells Intellectual Property
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 (43) 27.04.2023  
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**B01D 15/38** ( 2006.01 )  
**B01D 61/02** ( 2006.01 )  
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**C12N 9/12** ( 2006.01 )  
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 (74) AJ PARK
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**A01G 7/00** ( 2006.01 )  
**A01G 22/20** ( 2018.01 )  
**G01B 11/02** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**G06T 15/08** ( 2011.01 )  
**G06T 19/00** ( 2011.01 )  
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 (72) GUPTA, Ashish; LAUNAY, Marine Mathilde Madeleine  
 (74) Michael Buck IP
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- (71) ALCON INC.  
 (11) AU-A-2022389056

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**(51)** Int. Cl.  
**A61B 3/125** ( 2006.01 )  
**G02C 7/04** ( 2006.01 )  
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**(72)** CHARLES, Steven T.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022389057  
**(21)** 2022389057 (22) 25.10.2022  
**(54)** EVALUATING AND TREATING EYE FLOATERS  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089416  
**(31)** 63/281,382 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022389334  
**(21)** 2022389334 (22) 03.10.2022  
**(54)** IMPROVED VISUALIZATION OF VITREOUS FLOATERS IN THE EYE  
**(51)** Int. Cl.  
**A61B 3/135** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089396  
**(31)** 63/281,314 (32) 19.11.21 (33) US  
 63/297,345 07.01.22 US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022389664  
**(21)** 2022389664 (22) 26.10.2022  
**(54)** IMAGING A TARGET WITHIN AN EYE AND CALIBRATING IMAGING DEVICES  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089419  
**(31)** 63/281,487 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** SHARMA, Utkarsh; BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022390206  
**(21)** 2022390206 (22) 06.10.2022  
**(54)** PERFORMING LASER VITREOLYSIS ON AN EYE WITH AN INTRAOCULAR LENS  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089402  
**(31)** 63/281,514 (32) 19.11.21 (33) US
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- (43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022390207  
**(21)** 2022390207 (22) 25.10.2022  
**(54)** REDUCING RETINAL RADIATION EXPOSURE DURING LASER SURGERY  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089417  
**(31)** 63/281,437 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022390674  
**(21)** 2022390674 (22) 04.10.2022  
**(54)** MULTIPLEXING A LASER BEAM TO FRAGMENT EYE FLOATERS  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61B 3/13** ( 2006.01 )  
**(87)** WO2023/089398  
**(31)** 63/281,255 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022390675  
**(21)** 2022390675 (22) 24.10.2022  
**(54)** GENERATING BUBBLE JETS TO FRAGMENT AND REMOVE EYE FLOATERS  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089413  
**(31)** 63/281,356 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt; MALEK TABRIZI, Alireza; MAURICIO, Raul  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022392464  
**(21)** 2022392464 (22) 07.10.2022  
**(54)** DETERMINING RADIANT EXPOSURE AT THE RETINA DURING AN OPHTHALMIC PROCEDURE  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61B 3/13** ( 2006.01 )  
**(87)** WO2023/089403  
**(31)** 63/281,259 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022393258  
**(21)** 2022393258 (22) 05.10.2022
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- (54)** CONTROLLING A LASER DELIVERY HEAD OF AN OPHTHALMIC LASER SYSTEM  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61B 3/13** ( 2006.01 )  
**(87)** WO2023/089400  
**(31)** 63/281,263 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022393927  
**(21)** 2022393927 (22) 04.10.2022  
**(54)** SURGICAL CONTACT LENS SYSTEM WITH A PATIENT CONTACT LENS  
**(51)** Int. Cl.  
**G02C 7/04** ( 2006.01 )  
**A61F 9/008** ( 2006.01 )  
**A61F 9/009** ( 2006.01 )  
**(87)** WO2023/089397  
**(31)** 63/281,271 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022394107  
**(21)** 2022394107 (22) 05.10.2022  
**(54)** GENERATING AND EVALUATING TWO- AND THREE-DIMENSIONAL IMAGES OF THE INTERIOR OF AN EYE  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089399  
**(31)** 63/281,453 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** SHARMA, Utkarsh  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022394108  
**(21)** 2022394108 (22) 24.10.2022  
**(54)** GENERATING BUBBLE JETS TO FRAGMENT AND REMOVE EYE FLOATERS  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2023/089414  
**(31)** 63/281,326 (32) 19.11.21 (33) US  
**(43)** 25.05.2023  
**(72)** BOR, Zsolt; MALEK TABRIZI, Alireza; MAURICIO, Raul  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2022402487  
**(21)** 2022402487 (22) 15.11.2022  
**(54)** ACHROMATIC IOL WITH MULTIPLE LAYERS OF DIFFRACTIVE OPTICS  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
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**(31)** 63/284,318 (32) 30.11.21 (33) US

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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ALCON INC.  
 (11) AU-A-2022407868  
 (21) 2022407868 (22) 07.12.2022  
 (54) OPTICAL FIBER CONNECTOR AND ADAPTER  
 (51) Int. Cl.  
 A61F 9/008 ( 2006.01 )  
 G02B 6/24 ( 2006.01 )  
 G02B 6/38 ( 2006.01 )

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 (31) 63/265,159 (32) 09.12.21 (33) US  
 (43) 15.06.2023  
 (72) FARLEY, Mark Harrison; DIAO, Chenguang; HOPKINS, Mark A.; MIRSEPASSI, Alireza; RYAN, Timothy C.; SMITH, Ronald T.; TERENCE, Dennis Martin  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ALCON INC.  
 (11) AU-A-2022421153  
 (21) 2022421153 (22) 16.12.2022  
 (54) APPARATUS, SYSTEMS, AND METHODS OF FORMING OPHTHALMIC LENS COMPONENTS WITH SOLUBLE CORES AND MOLDS  
 (51) Int. Cl.  
 B29D 11/00 ( 2006.01 )  
 A61F 2/14 ( 2006.01 )  
 G02C 7/04 ( 2006.01 )  
 B29C 33/52 ( 2006.01 )

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 (31) 63/265,735 (32) 20.12.21 (33) US  
 (43) 29.06.2023  
 (72) WALZ, Andrew R.; HAJELA, Sharad; MATTHEWS, Gregory Vinton  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ALUMINUM TECHNOLOGIES, LLC  
 (11) AU-A-2022351132  
 (21) 2022351132 (22) 22.09.2022  
 (54) PROCESS FOR SELECTIVE CHLORINATION OF ALUMINOUS ORES FOR THE PREPARATION OF ALUMINUM  
 (51) Int. Cl.  
 C01F 7/02 ( 2022.01 )  
 C01F 7/021 ( 2022.01 )  
 C01F 7/028 ( 2022.01 )  
 C01F 7/04 ( 2022.01 )

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 (31) 63/248,024 (32) 24.09.21 (33) US  
 (43) 30.03.2023  
 (72) BRADFORD, Donald Ray; BOXALL, Larry George; TOTH, Charles Ernest; TOTH III, Charles, Ernest; REILY, Caroline Toth; TOTH, Charles; KNAPP, Lester, L.  
 (74) Spruson & Ferguson

(71) AMADEUS S.A.S.  
 (11) AU-A-2022374671  
 (21) 2022374671 (22) 21.10.2022

(54) KEY-BASED HANDLING OF PRODUCT PURCHASES  
 (51) Int. Cl.  
 G06Q 30/0601 ( 2023.01 )  
 G06F 16/27 ( 2019.01 )  
 (87) WO2023/072753  
 (31) 17/510,876 (32) 26.10.21 (33) US  
 (43) 04.05.2023

(72) POULAIN, Yoann; CULTIEN, Charles Michel Pierre Guillaume; VALIGIANI, Gregory; DI NOIA, Luigi; SARCEY, Philippe  
 (74) Griffith Hack

(71) AMELIO BIOTECH CO., LTD.  
 (11) AU-A-2022360205  
 (21) 2022360205 (22) 30.09.2022  
 (54) A COBALT-CONTAINING ACIDIC AMINO ACID COMPLEX AND ITS USE FOR TREATING CANCER  
 (51) Int. Cl.  
 A61K 31/714 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07F 15/06 ( 2006.01 )

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 (31) 63/252,232 (32) 05.10.21 (33) US  
 (43) 13.04.2023  
 (72) LI, I-Chen; CHEN, Chi-Jung  
 (74) Griffith Hack

(71) AMERICA NATIONAL POWER STORAGE LLC  
 (11) AU-A-2022340702  
 (21) 2022340702 (22) 22.10.2022  
 (54) HIGH-CAPACITY BATTERY MANUFACTURING METHOD AND HIGH-CAPACITY BATTERY  
 (51) Int. Cl.  
 H01M 6/42 ( 2006.01 )  
 H01M 10/052 ( 2010.01 )  
 H01M 10/0585 ( 2010.01 )  
 H01M 10/0587 ( 2010.01 )  
 H01M 50/77 ( 2021.01 )

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 (31) 63/238,219 (32) 30.08.21 (33) US  
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 (43) 09.03.2023  
 (72) ZHAI, Tengfei; LEI, Zhengjun; ZHANG, Sanxue; ZHENG, Gaofeng; LIU, Yi  
 (74) Spruson & Ferguson

(71) AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS  
 (11) AU-A-2022410620  
 (21) 2022410620 (22) 15.12.2022  
 (54) DATA-DRIVEN, RISK AND ACTIVITY-BASED DYNAMIC AUDIT APPLICATION AND METHOD  
 (51) Int. Cl.  
 G06Q 40/12 ( 2023.01 )  
 G06Q 10/0635 ( 2023.01 )  
 G06Q 10/0639 ( 2023.01 )  
 G06Q 10/10 ( 2023.01 )

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 (43) 22.06.2023  
 (72) ZEIDMAN, Harold, Irving; MOONEY, Tammy, Lynn Suber; BUSCH, Karl, Joseph; PAWLICKI, Amy, Renee;

YOUNG, James, Matthew; LARSEN, Karen, Chrosniak; WEBB, Christopher, Travis; WOOD, Jennifer, Jean; HERRMANN, George; ESTRELLA, Jessica, Elizabeth; MORRISON, Steven, Edward  
 (74) AJ PARK

(71) AMGEN INC.  
 (11) AU-A-2022373323  
 (21) 2022373323 (22) 18.10.2022  
 (54) APPLICATION OF NATURAL LANGUAGE PROCESSING TO FACILITATE RESPONSES TO REGULATORY QUESTIONS  
 (51) Int. Cl.  
 G06N 3/0442 ( 2023.01 )  
 G06N 3/045 ( 2023.01 )  
 G06N 3/09 ( 2023.01 )  
 G06N 3/048 ( 2023.01 )  
 G06N 3/092 ( 2023.01 )

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 (31) 63/270,448 (32) 21.10.21 (33) US  
 63/389,569 15.07.22 US  
 (43) 27.04.2023  
 (72) ALKHALIFA, Saleh; VAGLE, Daniel; OZYURT, Furkan; BAYRAK, Elif Seyma  
 (74) Spruson & Ferguson

(71) AMGEN INC.  
 (11) AU-A-2022379497  
 (21) 2022379497 (22) 26.10.2022  
 (54) DEEP LEARNING-BASED PREDICTION FOR MONITORING OF PHARMACEUTICALS USING SPECTROSCOPY  
 (51) Int. Cl.  
 G01N 21/359 ( 2014.01 )  
 G01J 3/00 ( 2006.01 )  
 G01J 3/02 ( 2006.01 )  
 G01J 3/08 ( 2006.01 )  
 G01N 21/65 ( 2006.01 )  
 G01N 30/02 ( 2006.01 )  
 G06N 3/08 ( 2023.01 )

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 (31) 63/272,595 (32) 27.10.21 (33) US  
 (43) 04.05.2023  
 (72) KHODABANDEHLOU, Hamid; WANG, Tony, Y.; TULSYAN, Aditya; SCHORNER, Gregory, L.  
 (74) Spruson & Ferguson

(71) AMGEN INC.  
 (11) AU-A-2022399455  
 (21) 2022399455 (22) 02.12.2022  
 (54) STOPPER PLACEMENT IN A SYRINGE  
 (51) Int. Cl.  
 A61M 5/28 ( 2006.01 )  
 A61M 5/315 ( 2006.01 )  
 B65B 7/28 ( 2006.01 )  
 B65B 31/02 ( 2006.01 )

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 (31) 63/285,789 (32) 03.12.21 (33) US  
 (43) 08.06.2023  
 (72) FALLAHIANBIJAN, Fatemeh; ABBAS, Shermeen, A.; JU, Albert; GONZALES,

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BROWN, Jeffrey, A.; MISMAR, Wael  
**(74)** Spruson & Ferguson
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- (71)** AM SCIENCES INC; KOREA RE-SEARCH INSTITUTE OF CHEMICAL TECHNOLOGY  
**(11)** AU-A-2022363172  
**(21)** 2022363172 **(22)** 12.10.2022  
**(54)** NOVEL CAPSID ASSEMBLY INHIBITORS  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**(87)** WO2023/063698  
**(31)** 10-2021-0134940 **(32)** 12.10.21 **(33)** KR  
**(43)** 20.04.2023  
**(72)** JEONG, Nakcheol; LEE, Misun; SIM, Heewoo; KIM, Myungjin; KIM, Jung-Hee; HAN, Soo Bong; JUNG, Young Sik; KIM, Hye jin; YUN, Chang Soo; CHO, Heeyeong; KIM, Mee Hyein; LEE, Joo Youn  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** AM SCIENCES INC; KOREA RE-SEARCH INSTITUTE OF CHEMICAL TECHNOLOGY  
**(11)** AU-A-2022366587  
**(21)** 2022366587 **(22)** 12.10.2022  
**(54)** NOVEL CAPSID ASSEMBLY INHIBITORS  
**(51)** Int. Cl.  
**C07D 403/02** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 491/052** ( 2006.01 )  
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**(31)** 10-2021-0134939 **(32)** 12.10.21 **(33)** KR  
**(43)** 20.04.2023  
**(72)** JEONG, Nakcheol; LEE, Misun; SIM, Heewoo; KIM, Myungjin; KIM, Jung-Hee; HAN, Soo Bong; JUNG, Young Sik; KIM, Hye jin; YUN, Chang Soo; CHO, Heeyeong; KIM, Mee Hyein; LEE, Joo Youn  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** AMVAC HONG KONG LIMITED  
**(11)** AU-A-2022348386  
**(21)** 2022348386 **(22)** 22.04.2022  
**(54)** SECURE AND VERIFIABLE TRACKING OF AGRICULTURAL PRODUCTS  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2023.01 )  
**G06Q 50/02** ( 2012.01 )  
**(87)** WO2023/043497  
**(31)** 63/245,184 **(32)** 16.09.21 **(33)** US
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**(72)** RICE, Richard L.; TROGELE, Ulrich G.; JAMES, Kent W.  
**(74)** RnB IP Pty Ltd
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- (71)** ANCESTRY.COM OPERATIONS INC.  
**(11)** AU-A-2022360851  
**(21)** 2022360851 **(22)** 07.10.2022  
**(54)** IMAGE IDENTIFICATION, RETRIEVAL, TRANSFORMATION, AND ARRANGEMENT  
**(51)** Int. Cl.  
**G06F 16/538** ( 2019.01 )  
**(87)** WO2023/059865  
**(31)** 63/253,650 **(32)** 08.10.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** MEAD, John; JAKOBSON, Dana; DOERRFELD, Scott Curtis  
**(74)** FB Rice Pty Ltd
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- (71)** ANEBULO PHARMACEUTICALS, INC.  
**(11)** AU-A-2022362107  
**(21)** 2022362107 **(22)** 10.10.2022  
**(54)** CRYSTALLINE FORMS OF A CAN-NABINOID RECEPTOR TYPE 1 (CB1) MODULATOR AND METHODS OF USE AND PREPARATION THEREOF  
**(51)** Int. Cl.  
**A61K 31/397** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**A61P 25/30** ( 2006.01 )  
**(87)** WO2023/064225  
**(31)** 63/254,417 **(32)** 11.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** LAWLER, Joseph Fenton; SCHNEEBERGER, Daniel Pawel  
**(74)** FB Rice Pty Ltd
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- (71)** APPIA BIO, INC.  
**(11)** AU-A-2022366817  
**(21)** 2022366817 **(22)** 13.10.2022  
**(54)** ENGINEERING STEM CELL T CELLS WITH MULTIPLE T CELL RECEPTORS  
**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**(87)** WO2023/064455  
**(31)** 63/255,632 **(32)** 14.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** KANG, Jeenjoo, S.; WIEZOREK, Jeffrey, Scott; WANG, Xi  
**(74)** Spruson & Ferguson
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- (71)** APPLE INC.  
**(11)** AU-A-2022383151  
**(21)** 2022383151 **(22)** 02.11.2022  
**(54)** METHODS AND SYSTEMS FOR SUPPORTING MULTIPLE TRACKING AREA CODES IN A SATELLITE CELL  
**(51)** Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**H04W 48/00** ( 2009.01 )  
**(87)** WO2023/081208  
**(31)** 63/275,268 **(32)** 03.11.21 **(33)** US
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- (43)** 11.05.2023  
**(72)** ZAUS, Robert; GRUBER, Roland  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** APROGEN INC.  
**(11)** AU-A-2022348349  
**(21)** 2022348349 **(22)** 15.09.2022  
**(54)** PHARMACEUTICAL COMPOSITION CONTAINING ANTI-TNF $\alpha$  ANTIBODY  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
**(87)** WO2023/043232  
**(31)** 10-2021-0124326 **(32)** 16.09.21 **(33)** KR  
**(43)** 23.03.2023  
**(72)** PARK, Mijeong; JIN, Seok Min  
**(74)** FB Rice Pty Ltd
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- (71)** APTAR FRANCE SAS  
**(11)** AU-A-2022351248  
**(21)** 2022351248 **(22)** 26.09.2022  
**(54)** ASSEMBLY FOR DISPENSING A FLUID PRODUCT  
**(51)** Int. Cl.  
**B05B 11/00** ( 2023.01 )  
**A61M 11/00** ( 2006.01 )  
**A61M 15/08** ( 2006.01 )  
**B05B 11/02** ( 2018.01 )  
**B05B 15/14** ( 2018.01 )  
**(87)** WO2023/047067  
**(31)** FR2110160 **(32)** 27.09.21 **(33)** FR  
**(43)** 30.03.2023  
**(72)** DESCHAMPS, Olivier; ESPINOZA, Diego; BLONDEL, Mathilde; REBLA, Naoufal  
**(74)** Griffith Hack
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- (71)** ARAVIVE INC  
**(11)** AU-A-2022343188  
**(21)** 2022343188 **(22)** 12.09.2022  
**(54)** METHODS OF TREATING LOCALLY ADVANCED OR METASTATIC PANCREATIC ADENOCARCINOMA USING AXL DECOY RECEPTORS AS FIRST-LINE THERAPY  
**(51)** Int. Cl.  
**A61K 45/06** ( 2006.01 )  
**A61P 1/18** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**(87)** WO2023/039254  
**(31)** 63/243,113 **(32)** 11.09.21 **(33)** US  
**(43)** 16.03.2023  
**(72)** MCINTYRE, Gail; RANGWALA, Reshma  
**(74)** Spruson & Ferguson
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- (71)** ARISTOCRAT TECHNOLOGIES, INC.  
**(11)** AU-A-2022383930  
**(21)** 2022383930 **(22)** 10.11.2022  
**(54)** MODULAR HARDWARE AND SOFTWARE PLATFORM FOR A GAMING SYSTEM

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**A63F 13/327** ( 2014.01 )
- (87) WO2023/086907
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63/409,972 26.09.22 US  
63/409,977 26.09.22 US  
17/985,057 10.11.22 US  
17/985,067 10.11.22 US  
17/985,075 10.11.22 US
- (43) 19.05.2023
- (72) SHARMA, Rajneesh; MAYBERRY, Jared; JACOBSON, Kristofor; NGUYEN, Binh
- (74) James & Wells Intellectual Property
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- (71) ARJO IP HOLDING AKTIEBOLAG  
(11) AU-A-2022363227  
(21) 2022363227 (22) 11.10.2022
- (54) A SYSTEM, METHOD AND GARMENT FOR MONITORING AND CONTROLLING FLUID PRESSURE DURING COMPRESSION THERAPY
- (51) Int. Cl.  
**A61H 9/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**B60S 5/04** ( 2006.01 )  
**F04B 49/06** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )
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CONSISTING OF A LOCK AND CART-  
RIDGE CHAMBER OF SUCH A CART-  
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FRAME FOR A PRESSURE VES-  
SEL, AND METHOD OF MANUFAC-  
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 (74) Patent Attorney Services
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*C08G 18/09* ( 2006.01 )  
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*A61K 38/48* ( 2006.01 )  
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*A61M 1/28* ( 2006.01 )  
*B01D 63/02* ( 2006.01 )  
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**A61M 1/16** ( 2006.01 )  
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**(51)** Int. Cl.  
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**B01D 63/02** ( 2006.01 )  
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**(21)** 2022413407 **(22)** 21.11.2022  
**(54)** PERITONEAL DIALYSIS SYSTEM HAVING A PATIENT LINE FILTER  
**(51)** Int. Cl.  
**A61M 1/16** ( 2006.01 )  
**A61M 1/28** ( 2006.01 )  
**B01D 63/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0295** ( 2006.01 )  
**A61B 5/0531** ( 2021.01 )  
**A61B 5/0535** ( 2021.01 )  
**A61B 5/0537** ( 2021.01 )  
**A61B 5/145** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61M 1/16** ( 2006.01 )  
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**B01D 63/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61M 1/28** ( 2006.01 )  
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**A61B 5/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61M 5/30** ( 2006.01 )  
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**A61M 5/315** ( 2006.01 )  
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**G06F 3/0484** ( 2022.01 )  
**G06F 9/451** ( 2018.01 )  
**G06Q 50/00** ( 2012.01 )  
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**G07F 17/12** ( 2006.01 )  
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**(54)** AIR CONDITIONER USING WATER VAPOR REFRIGERANT FOR MODULAR DATA CENTER AND DATA CENTER COMPRISING SAME

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**C12G 1/022** ( 2006.01 )  
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**C12N 9/10** ( 2006.01 )  
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**E21B 43/00** ( 2006.01 )  
**B09C 1/00** ( 2006.01 )  
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**A61M 5/20** ( 2006.01 )  
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(54) DRUG DELIVERY DEVICE WITH OFFSET ACTUATOR MECHANISM  
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**A61K 47/06** ( 2006.01 )  
**A61K 47/42** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/88** ( 2006.01 )  
**C12Q 1/48** ( 2006.01 )  
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 A61K 39/12 ( 2006.01 )  
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 C12Q 1/6811 ( 2018.01 )  
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 B01J 8/00 ( 2006.01 )  
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 A61P 35/04 ( 2006.01 )  
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 C07K 16/00 ( 2006.01 )  
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*B60L 58/40* ( 2019.01 )  
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H02S 20/10 (2014.01)  
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C12P 19/34 (2006.01)  
C12Q 1/6844 (2018.01)  
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*C07D 307/20* ( 2006.01 )  
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*A61K 31/519* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
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 (54) METHOD FOR DETERMINING CAPACITY OF ENERGY STORAGE APPARATUS FOR NEW ENERGY SUPPORT MACHINE, AND NEW ENERGY SUPPORT MACHINE  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H02J 3/24* ( 2006.01 )  
*H02J 3/28* ( 2006.01 )  
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 (51) Int. Cl.  
*H02J 3/06* ( 2006.01 )  
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**(51)** Int. Cl.  
*H04W 28/02* ( 2009.01 )  
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**(11)** AU-A-2022360198  
**(21)** 2022360198 **(22)** 28.09.2022  
**(54)** CATALYTIC CRACKING CATALYST HAVING RICH MESOPOROUS STRUCTURE AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
*B01J 29/08* ( 2006.01 )  
*C10G 11/05* ( 2006.01 )  
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**(74)** Churchill Attorneys
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**(54)** CATALYTIC CRACKING CATALYST COMPRISING LARGE-PARTICLE-SIZE SOL AND APPLICATION THEREOF  
**(51)** Int. Cl.  
*B01J 27/16* ( 2006.01 )  
*B01J 29/40* ( 2006.01 )  
*B01J 29/70* ( 2006.01 )  
*B01J 35/60* ( 2024.01 )  
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*C10G 11/05* ( 2006.01 )  
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**(74)** Churchill Attorneys
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*C22B 3/18* ( 2006.01 )
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**(51)** Int. Cl.  
*E21B 43/26* ( 2006.01 )  
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**(51)** Int. Cl.  
*C07K 16/40* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61K 45/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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C11B 1/02 ( 2006.01 )  
C12P 7/40 ( 2006.01 )  
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G01D 5/353 ( 2006.01 )  
G01H 9/00 ( 2006.01 )  
G01M 11/08 ( 2006.01 )  
G01M 13/00 ( 2019.01 )  
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**G02B 1/04** ( 2006.01 )  
**G02C 7/04** ( 2006.01 )  
**G02C 7/08** ( 2006.01 )  
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**A23L 13/40** ( 2023.01 )  
**A23J 3/14** ( 2006.01 )  
**A23J 3/22** ( 2006.01 )  
**A23L 13/60** ( 2016.01 )  
**A23P 10/35** ( 2016.01 )  
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**C12N 9/10** ( 2006.01 )  
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**G06F 30/20** ( 2020.01 )  
**G06T 7/00** ( 2017.01 )  
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**C12N 15/86** ( 2006.01 )  
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**G06Q 10/0631** ( 2023.01 )  
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*A61K 39/395* ( 2006.01 )  
*C07K 16/22* ( 2006.01 )  
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*B65D 51/28* ( 2006.01 )  
*A47J 31/40* ( 2006.01 )  
*B01F 21/20* ( 2022.01 )  
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*C12N 15/13* (2006.01)  
*C07K 16/28* (2006.01)  
*C07K 16/40* (2006.01)  
*C12N 1/15* (2006.01)  
*C12N 1/19* (2006.01)  
*C12N 1/21* (2006.01)  
*C12N 5/10* (2006.01)  
*C12N 15/63* (2006.01)  
*C12P 21/08* (2006.01)  
*G01N 33/531* (2006.01)  
*G01N 33/573* (2006.01)  
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 (43) 19.05.2023  
 (72) KAWAKATSU, Tomomi; TAHARA,  
 Kazuhiro; SHUTA, Kazuyoshi  
 (74) Davies Collison Cave Pty Ltd
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- (71) ELC MANAGEMENT LLC  
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 (54) POLYMER COMBINATIONS TO IM-  
 PROVE FRAGRANCE LONGEVITY  
 (51) Int. Cl.  
*A61K 8/73* (2006.01)  
*A61K 8/84* (2006.01)  
*A61K 8/87* (2006.01)  
*A61K 8/92* (2006.01)  
*A61Q 13/00* (2006.01)  
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 (31) 17/480,092 (32) 20.09.21 (33) US  
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 DRUCKER, Natalie Michelle  
 (74) Maxwells Patent & Trade Mark Attor-  
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- (71) ELIKSA THERAPEUTICS, INC.  
 (11) AU-A-2022363859  
 (21) 2022363859 (22) 12.10.2022  
 (54) METHODS OF TREATING EPIDERM-  
 OLYSIS BULLOSA WITH CELL-FREE  
 AMNIOTIC FLUID COMPOSITIONS  
 (51) Int. Cl.  
*A61K 35/50* (2015.01)  
*A61K 31/7105* (2006.01)  
*A61K 38/18* (2006.01)  
*A61K 45/06* (2006.01)  
*A61P 17/02* (2006.01)  
 (87) WO2023/064819  
 (31) 63/254,918 (32) 12.10.21 (33) US  
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 (43) 20.04.2023  
 (72) KARAMANIAN, Armen A.  
 (74) Pizeys Patent and Trade Mark Attor-  
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 (11) AU-A-2022376930  
 (21) 2022376930 (22) 27.10.2022  
 (54) COMPOUNDS AND METHODS TAR-  
 GETING INTERLEUKIN-34  
 (51) Int. Cl.  
*C07K 16/24* (2006.01)  
*A61P 25/28* (2006.01)  
*C07K 16/18* (2006.01)  
 (87) WO2023/076970  
 (31) 63/273,209 (32) 29.10.21 (33) US  
 (43) 04.05.2023  
 (72) CHEDID, Marcio; FLEISHER, Adam  
 S.; LANNAN, Megan Brittany; LO, Al-  
 bert; MINTUN, Mark; OBUNGU, Victor  
 H.; RAINES, Sarah Elisabeth; SIMS,  
 John Randall II; SKORA, Andrew Dix-  
 on; WALSH, Robin Elizabeth; WEST,  
 Elizabeth Anne; YE, Ming  
 (74) Davies Collison Cave Pty Ltd
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- (71) ELI LILLY AND COMPANY  
 (11) AU-A-2022376940  
 (21) 2022376940 (22) 27.10.2022  
 (54) COMPOUNDS AND METHODS TAR-  
 GETING INTERLEUKIN-34  
 (51) Int. Cl.  
*C07K 16/24* (2006.01)  
*A61P 25/28* (2006.01)  
*C07K 16/16* (2006.01)  
*C07K 16/18* (2006.01)  
 (87) WO2023/076995  
 (31) 63/273,216 (32) 29.10.21 (33) US  
 (43) 04.05.2023  
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 H.; RAINES, Sarah Elisabeth; SIMS,  
 John Randall II; SKORA, Andrew Dix-  
 on; WALSH, Robin Elizabeth; WEST,  
 Elizabeth Anne; YE, Ming  
 (74) Davies Collison Cave Pty Ltd
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- (71) ELI LILLY AND COMPANY  
 (11) AU-A-2022379194  
 (21) 2022379194 (22) 28.10.2022  
 (54) COMPOUNDS AND METHODS TAR-  
 GETING INTERLEUKIN-34  
 (51) Int. Cl.  
*A61P 25/00* (2006.01)  
*C07K 16/24* (2006.01)  
 (87) WO2023/077042  
 (31) 63/273,195 (32) 29.10.21 (33) US  
 (43) 04.05.2023  
 (72) CHEDID, Marcio; FLEISHER, Adam  
 S.; LANNAN, Megan Brittany; LO, Al-  
 bert; MINTUN, Mark; OBUNGU, Victor  
 H.; RAINES, Sarah Elisabeth; SIMS,  
 John Randall II; SKORA, Andrew Dix-  
 on; WALSH, Robin Elizabeth; WEST,  
 Elizabeth Anne; YE, Ming  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022376931  
 (21) 2022376931 (22) 27.10.2022  
 (54) COMPOUNDS AND METHODS TAR-  
 GETING INTERLEUKIN-34  
 (51) Int. Cl.

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<b>A61K 39/00</b> ( 2006.01 )	EP2022/079319			
<b>A61P 25/28</b> ( 2006.01 )	PCT/	20.10.22	EP	<b>(51)</b> Int. Cl.
<b>A61P 35/00</b> ( 2006.01 )	EP2022/079318			<b>A61F 2/36</b> ( 2006.01 )
<b>(87)</b> WO2023/076971	PCT/	20.10.22	EP	<b>A61F 2/34</b> ( 2006.01 )
<b>(31)</b> 63/273,204	EP2022/079320			<b>B30B 1/04</b> ( 2006.01 )
<b>(43)</b> 04.05.2023	PCT/	20.10.22	EP	<b>(87)</b> WO2023/086374
<b>(72)</b> CHEDID, Marcio; FLEISHER, Adam S.; LANNAN, Megan Brittany; LO, Albert; MINTUN, Mark; OBUNGU, Victor H.; RAINES, Sarah Elisabeth; SIMS, John Randall II; SKORA, Andrew Dixon; WALSH, Robin Elizabeth; WEST, Elizabeth Anne; YE, Ming	EP2022/079321			<b>(31)</b> 63/263,921
<b>(74)</b> Davies Collison Cave Pty Ltd	PCT/	20.10.22	EP	<b>(32)</b> 11.11.21
	EP2022/079328			<b>(33)</b> US
	PCT/	20.10.22	EP	18/053,527
	EP2022/079322			08.11.22
	PCT/	20.10.22	EP	<b>(43)</b> 19.05.2023
	EP2022/079323			<b>(72)</b> WILLS, Kevin Michael; LINK, Dave; FEWELL, Heather; SHALLENBERG, Adam; WESTERBERG, Annika; NY-LAND, Michael; TROLINGER, Michael
	PCT/	20.10.22	EP	<b>(74)</b> Spruson & Ferguson
	EP2022/079324			
	PCT/	20.10.22	EP	
	EP2022/079326			<b>(71)</b> ENDOMAGNETICS LTD.
<b>(71)</b> ELIXIRON IMMUNOTHERAPEUTICS (HONG KONG) LIMITED	<b>(43)</b> 04.05.2023			<b>(11)</b> AU-A-2022382013
<b>(11)</b> AU-A-2022358772	<b>(72)</b> NEUMANN, Lydia Ellen			<b>(21)</b> 2022382013
<b>(21)</b> 2022358772	<b>(74)</b> FB Rice Pty Ltd			<b>(22)</b> 03.11.2022
<b>(54)</b> METHOD OF TREATING DISEASES WITH ANTI-PD-L1/IL-10 FUSION PROTEINS				<b>(54)</b> MAGNETIC MARKERS FOR IMAGING AND SURGICAL GUIDANCE
<b>(51)</b> Int. Cl.				<b>(51)</b> Int. Cl.
<b>C07K 14/54</b> ( 2006.01 )	<b>(71)</b> ENCORE MEDICAL, L.P. (d/b/a/ DJO SURGICAL)			<b>A61B 90/00</b> ( 2016.01 )
<b>A61P 35/00</b> ( 2006.01 )	<b>(11)</b> AU-A-2022379513			<b>A61B 5/06</b> ( 2006.01 )
<b>A61K 35/17</b> ( 2015.01 )	<b>(21)</b> 2022379513			<b>G01R 33/16</b> ( 2006.01 )
<b>C07K 16/28</b> ( 2006.01 )	<b>(22)</b> 26.10.2022			<b>A61B 17/00</b> ( 2006.01 )
<b>(87)</b> WO2023/060229	<b>(54)</b> STEMLESS REVERSE HUMERAL IMPLANT SYSTEMS			<b>(87)</b> WO2023/079292
<b>(31)</b> 63/254,116	<b>(51)</b> Int. Cl.			<b>(31)</b> 2115827.4
<b>(43)</b> 13.04.2023	<b>A61F 2/30</b> ( 2006.01 )			<b>(32)</b> 03.11.21
<b>(72)</b> CHEN, Hung-Kai; KONI, Pandelakis Andreas; HSIAO, Huey-Wen	<b>A61F 2/40</b> ( 2006.01 )			<b>(33)</b> GB
<b>(74)</b> Madderns Pty Ltd	<b>A61F 2/28</b> ( 2006.01 )			<b>(43)</b> 11.05.2023
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	<b>(31)</b> 63/272,880			<b>(74)</b> FB Rice Pty Ltd
	<b>(43)</b> 04.05.2023			
	<b>(72)</b> ABOUD, Joseph A.; EDWARDS, Thomas Bradley; FRANKLE, Mark A.; IANNOTTI, Joseph P.; LEVY, Jonathan; WILLIAMS, Gerald; AXELSON, Stuart L., JR.; ROBICHEAUX, Alysha; GUTIERREZ, Sergio			<b>(71)</b> ENECOAT TECHNOLOGIES CO.,LTD.
	<b>(74)</b> Davies Collison Cave Pty Ltd			<b>(11)</b> AU-A-2022342541
				<b>(21)</b> 2022342541
	<b>(71)</b> ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL)			<b>(22)</b> 07.09.2022
	<b>(11)</b> AU-A-2022384121			<b>(54)</b> PHOTOELECTRIC CONVERSION ELEMENT AND COMPOUND
	<b>(21)</b> 2022384121			<b>(51)</b> Int. Cl.
	<b>(22)</b> 09.11.2022			<b>H10K 85/00</b> ( 2023.01 )
	<b>(54)</b> DEVICE FOR ASSEMBLING IMPLANT SYSTEMS			<b>H10K 30/80</b> ( 2023.01 )
	<b>(51)</b> Int. Cl.			<b>(87)</b> WO2023/038050
	<b>B30B 1/04</b> ( 2006.01 )			<b>(31)</b> 2021-148447
	<b>A61F 2/34</b> ( 2006.01 )			<b>(32)</b> 13.09.21
	<b>A61F 2/36</b> ( 2006.01 )			<b>(33)</b> JP
	<b>B23P 19/02</b> ( 2006.01 )			<b>(43)</b> 16.03.2023
<b>(87)</b> WO2023/086371	<b>(87)</b> WO2023/086371			<b>(72)</b> WAKAMIYA Atsushi; TRUONG Minh Anh; MIKI Masako; HORIUCHI Tamotsu
<b>(31)</b> 63/263,921	<b>(31)</b> 63/263,921			<b>(74)</b> ALLENS PATENT & TRADE MARK ATTORNEYS
<b>(43)</b> 19.05.2023	18/053,526			
<b>(72)</b> WILLS, Kevin Michael; LINK, Dave; FEWELL, Heather; SHALLENBERG, Adam; WESTERBERG, Annika; NY-LAND, Michael; TROLINGER, Michael	08.11.22			
<b>(74)</b> Spruson & Ferguson	US			
				<b>(71)</b> ENEOS CORPORATION; NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
	<b>(71)</b> ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL)			<b>(11)</b> AU-A-2022346320
	<b>(11)</b> AU-A-2022388566			<b>(21)</b> 2022346320
	<b>(21)</b> 2022388566			<b>(22)</b> 15.08.2022
	<b>(22)</b> 09.11.2022			<b>(54)</b> INFORMATION PROCESSING DEVICE, HYDROGEN PRODUCING SYSTEM, POWER SUPPLYING SYSTEM, OPERATION PLAN CREATION METHOD, AND COMPUTER PROGRAM
				<b>(51)</b> Int. Cl.
				<b>C25B 15/02</b> ( 2021.01 )
				<b>C01B 3/02</b> ( 2006.01 )
				<b>C25B 1/04</b> ( 2021.01 )
				<b>H02J 3/38</b> ( 2006.01 )
				<b>(87)</b> WO2023/042590
				<b>(31)</b> 2021-151052
				<b>(32)</b> 16.09.21
				<b>(33)</b> JP
				<b>(43)</b> 23.03.2023
				<b>(72)</b> HARADA Kosuke; TAKAMI Hirofumi; OKUMO Ichiro; UEHARA Kazuki;

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OZEKI Takashi; FURUTANI Hirohide  
**(74)** WRAYS PTY LTD
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- (71)** ENEOS CORPORATION; NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY  
**(11)** AU-A-2022348238  
**(21)** 2022348238 **(22)** 15.08.2022  
**(54)** INFORMATION PROCESSING DEVICE, HYDROGEN MANUFACTURING SYSTEM, POWER SUPPLY SYSTEM, OPERATION PLAN CREATION METHOD, AND COMPUTER PROGRAM  
**(51)** Int. Cl.  
*H02J 3/14* ( 2006.01 )  
*G06Q 50/06* ( 2012.01 )  
*H02J 3/00* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
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**(72)** HARADA Kosuke; TAKAMI Hirofumi; OKUMO Ichiro; UEHARA Kazuki; KOJIMA Hirokazu; KIKUSATO Hiroshi; OZEKI Takashi; FURUTANI Hirohide  
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- (71)** ENERGIZER BRANDS, LLC  
**(11)** AU-A-2022396534  
**(21)** 2022396534 **(22)** 23.11.2022  
**(54)** ELECTROCHEMICAL CELL WITH INCREASED RUNTIME AND REDUCED INTERNAL SHORTING  
**(51)** Int. Cl.  
*H01M 4/38* ( 2006.01 )  
*H01M 4/48* ( 2010.01 )  
*H01M 10/26* ( 2006.01 )  
*H01M 50/429* ( 2021.01 )  
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**(72)** JOHNSON, Robert P.; LIU, Zhufang; WENDLING, Matthew T.; HENNEK, Matthew; FAN, Daniel; ZHENG, Guanghong  
**(74)** AJ PARK
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**(54)** MONOVALENT SELECTIVE ANION EXCHANGE MEMBRANE FOR APPLICATION IN LITHIUM EXTRACTION FROM NATURAL SOURCES  
**(51)** Int. Cl.  
*B01D 61/44* ( 2006.01 )  
*B01D 61/24* ( 2006.01 )  
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**(72)** GU, George Y.; HU, Michael Z.; PATWARDHAN, Amit; LYNDON, Richelle; MA, Guanyu; EGAN, Teague M.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(21)** 2022369126 **(22)** 17.10.2022  
**(54)** PEROVSKITE-BASED SEMI-TRANSPARENT PHOTOVOLTAIC CELLS AND THE PROCESS FOR THE PREPARATION THEREOF  
**(51)** Int. Cl.  
*H10K 85/50* ( 2023.01 )  
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**(31)** 102021000026675 **(32)** 18.10.21 **(33)** IT  
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**(72)** BIAGINI, Paolo; PO', Riccardo; GIURI, Antonella; RIZZO, Aurora; COLELLA, Silvia  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ENKO CHEM, INC.  
**(11)** AU-A-2022345269  
**(21)** 2022345269 **(22)** 15.09.2022  
**(54)** PROTOPORPHYRINOGEN OXIDASE INHIBITORS  
**(51)** Int. Cl.  
*C07D 265/36* ( 2006.01 )  
*C07C 17/263* ( 2006.01 )  
*C07C 25/13* ( 2006.01 )  
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**(31)** 63/244,586 **(32)** 15.09.21 **(33)** US  
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**(43)** 23.03.2023  
**(72)** ANTHONY, Neville John; GALATSIS, Paul; LAUFFER, David Jeffrey; STCHUR III, Peter  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2022374437  
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**(54)** MAGNETIC CORE  
**(51)** Int. Cl.  
*H01F 27/245* ( 2006.01 )  
*H01F 27/26* ( 2006.01 )  
*H01F 30/12* ( 2006.01 )  
*H01F 41/02* ( 2006.01 )  
**(87)** WO2023/073203  
**(31)** 2115649.2 **(32)** 01.11.21 **(33)** GB  
**(43)** 04.05.2023  
**(72)** SCOBIE, Andrew John  
**(74)** FB Rice Pty Ltd
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- (71)** ENSURGE MEDICAL (SUZHOU) CO., LTD.  
**(11)** AU-A-2022375272  
**(21)** 2022375272 **(22)** 25.10.2022  
**(54)** SURGICAL ELECTRIC INSTRUMENT AND ULTRASONIC SCALPEL  
**(51)** Int. Cl.  
*A61B 17/32* ( 2006.01 )  
**(87)** WO2023/072008
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**(43)** 04.05.2023  
**(72)** ZHANG, Jun; WU, Zhixin  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2022383744  
**(21)** 2022383744 **(22)** 27.10.2022  
**(54)** TRI-, TETRA AND PENTAPEPTIDES, COMPOSITIONS THEREOF AND THEIR USE IN THE THERAPY OF PSORIASIS  
**(51)** Int. Cl.  
*C07K 5/08* ( 2006.01 )  
*A61K 8/64* ( 2006.01 )  
*A61K 38/06* ( 2006.01 )  
*A61K 38/07* ( 2006.01 )  
*A61K 38/08* ( 2019.01 )  
*A61P 17/06* ( 2006.01 )  
*C07K 5/10* ( 2006.01 )  
*C07K 7/00* ( 2006.01 )  
**(87)** WO2023/080790  
**(31)** 20220313 **(32)** 11.03.22 **(33)** NO  
20211318 02.11.21 NO  
20220171 07.02.22 NO  
**(43)** 11.05.2023  
**(72)** IVERSEN, Ole-Jan  
**(74)** Spruson & Ferguson
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- (71)** EOSENSE INC.  
**(11)** AU-A-2022358748  
**(21)** 2022358748 **(22)** 06.10.2022  
**(54)** SYSTEMS AND METHODS FOR ESTIMATING AN EMISSION RATE OF A SOURCE  
**(51)** Int. Cl.  
*G01W 1/00* ( 2006.01 )  
*G01M 3/02* ( 2006.01 )  
**(87)** WO2023/056557  
**(31)** 63/253,746 **(32)** 08.10.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** BOURLON, Evelise; NICKERSON, Nicholas R.; GOSSE, Colleen M.; RISK, David A.  
**(74)** FB Rice Pty Ltd
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- (71)** EPIROC ROCK DRILLS AKTIEBOLAG  
**(11)** AU-A-2021475012  
**(21)** 2021475012 **(22)** 08.12.2021  
**(54)** ENERGY SUPPLY MODES FOR ELECTRICALLY POWERED MINING OR CONSTRUCTION MACHINES  
**(51)** Int. Cl.  
*B60L 1/00* ( 2006.01 )  
*B60L 50/50* ( 2019.01 )  
*E21B 7/00* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
*H02J 7/04* ( 2006.01 )  
**(87)** WO2023/091057  
**(31)** 2151419-5 **(32)** 22.11.21 **(33)** SE  
**(43)** 25.05.2023  
**(72)** ALBREKTSSON, Jörgen; ROTH, Patrik; ANDERSSON, Emil; SKOGLUND, Johannes; NILSSON, Anders  
**(74)** WRAYS PTY LTD

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(11) AU-A-2021467490  
(21) 2021467490 (22) 07.10.2021  
(54) POWER GRAPH CONVOLUTIONAL NETWORK FOR EXPLAINABLE MACHINE LEARNING  
(51) Int. Cl.  
G06N 3/04 ( 2023.01 )  
G06N 5/04 ( 2023.01 )  
(87) WO2023/059356  
(43) 13.04.2023  
(72) DU PREEZ, Warren; HUANG, Bowen  
(74) FB Rice Pty Ltd
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(11) AU-A-2022360356  
(21) 2022360356 (22) 06.10.2022  
(54) DATA COMPRESSION TECHNIQUES FOR MACHINE LEARNING MODELS  
(51) Int. Cl.  
G06N 3/02 ( 2006.01 )  
G06N 3/084 ( 2023.01 )  
G06N 3/088 ( 2023.01 )  
G06N 5/022 ( 2023.01 )  
G06N 20/00 ( 2019.01 )  
(87) WO2023/060150  
(31) 17/450,169 (32) 07.10.21 (33) US  
(43) 13.04.2023  
(72) GUO, Bo; BONDUGULA, Rajkumar  
(74) FB Rice Pty Ltd
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- (71) ERASCA, INC.  
(11) AU-A-2022359757  
(21) 2022359757 (22) 06.10.2022  
(54) USES OF TRI-SUBSTITUTED HETEROARYL DERIVATIVES AS SRC HO-MOLOGY-2 PHOSPHATASE INHIBITORS  
(51) Int. Cl.  
A61K 31/5383 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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(87) WO2023/059771  
(31) 63/253,003 (32) 06.10.21 (33) US  
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(72) BRAIL, Leslie Harris; LIN, Wei; XUAN, Dawei; SHOEMAKER, Robert F.; MARTIN, Leenus  
(74) Spruson & Ferguson
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(11) AU-A-2022403968  
(21) 2022403968 (22) 09.12.2022  
(54) PORTABLE PLUNGER-WASH BAG APPARATUS AND METHOD OF USE TO CLEAN LAUNDRY  
(51) Int. Cl.  
D06F 95/00 ( 2006.01 )  
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(31) 63/288,596 (32) 11.12.21 (33) US  
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(72) KELTON, Carrie Anne; BINGHAM, Kenneth James  
(74) Alder IP Pty Ltd
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- (71) EVONIK OPERATIONS GMBH  
(11) AU-A-2022342708  
(21) 2022342708 (22) 06.09.2022  
(54) PROCESS AIR COMPRESSION FOR AO PROCESS  
(51) Int. Cl.  
C01B 15/023 ( 2006.01 )  
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(31) 21196227.9 (32) 13.09.21 (33) EP  
(43) 16.03.2023  
(72) LODE, Florian; MANGALAPALLY, Hari Prasad; WÜLLER, Martin; ARÉVALO SAADE, Eduardo Federico  
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C02F 3/00 ( 2023.01 )  
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C02F 1/52 ( 2023.01 )  
C02F 3/12 ( 2023.01 )  
C02F 11/02 ( 2006.01 )  
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A61K 35/741 ( 2015.01 )  
A61K 39/00 ( 2006.01 )  
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C07K 16/18 ( 2006.01 )  
C12N 1/20 ( 2006.01 )  
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(72) SOKOL, Harry; RUFFIÉ, Pauline; HADIDA, Benjamin  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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G06Q 20/22 ( 2012.01 )  
H04L 51/21 ( 2022.01 )  
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			(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd	(72) STRIPPOLI, Giancarlo
				(74) PHILLIPS ORMONDE FITZPATRICK
(71) EXTRACT MANAGEMENT COMPANY, LLC				
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(54) A SYSTEM AND METHOD FOR A MECHANICAL SHAFT LOCK ON AN ELECTRIC SUBMERSIBLE PUMP			(21) 2023246959	(22) 11.10.2022
(51) Int. Cl.			(54) OPTICALLY TRANSPARENT MICRO-ELECTRODE ARRAYS FOR ELECTROCHEMICAL AND ELECTROPHYSIOLOGICAL MEASUREMENTS OR STIMULATION	(54) NOVEL ANELLOVECTOR COMPOSITIONS AND METHODS
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(71) EZ PLACER, LLC				
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(54) MOBILE CONCRETE DISTRIBUTION SYSTEM			(21) 2023246960	(22) 13.10.2022
(51) Int. Cl.			(54) COATING OR SURFACE TREATMENT METHOD, SUBSTRATE AND APPARATUS	(54) TREM COMPOSITIONS AND METHODS OF USE
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(54) ENGINEERED SIRPα VARIANTS AND METHODS OF USE THEREOF			(22) 12.11.2021	(54) COMPOSITIONS AND METHODS FOR PURIFYING POLYRIBONUCLEOTIDES
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 B82Y 30/00 ( 2011.01 )  
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 A01M 29/00 ( 2011.01 )  
 B61L 23/00 ( 2006.01 )  
 G06V 40/10 ( 2022.01 )  
 A01M 29/10 ( 2011.01 )  
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 G08G 1/16 ( 2006.01 )  
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 B64C 39/02 ( 2023.01 )  
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 C07K 14/55 ( 2006.01 )  
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 C07K 16/28 ( 2006.01 )  
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 (54) METHOD FOR MONITORING A RAILWAY SYSTEM AND SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM  
 (51) Int. Cl.  
 B61L 5/10 ( 2006.01 )  
 (87) WO2023/067066  
 (31) 21203953.1 (32) 21.10.21 (33) EP  
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 B61L 5/10 ( 2006.01 )  
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 (54) SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM AND METHOD FOR MONITORING A RAILWAY SYSTEM  
 (51) Int. Cl.  
 B61L 5/10 ( 2006.01 )  
 (87) WO2023/067064  
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 (54) MONITORING UNIT FOR MONITORING A RAILWAY TRACK AND METHOD FOR MONITORING A RAILWAY TRACK  
 (51) Int. Cl.  
 B61L 1/16 ( 2006.01 )  
 B61L 5/10 ( 2006.01 )  
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 (54) ATMOSPHERIC WATER GENERATION SYSTEM AND METHOD  
 (51) Int. Cl.  
 B01D 1/26 ( 2006.01 )  
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 B01D 53/04 ( 2006.01 )  
 E03B 3/28 ( 2006.01 )  
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 (54) COOLING METHOD AND APPARATUS, ESPECIALLY FOR APPLICATION IN THE FIELD OF PHOTOVOLTAICS  
 (51) Int. Cl.  
 H01L 31/024 ( 2014.01 )  
 H01L 23/34 ( 2006.01 )  
 H01L 23/36 ( 2006.01 )  
 H02S 40/42 ( 2014.01 )  
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 (21) 2022374384 (22) 15.06.2022  
 (54) PUMP DEVICE COMPRISING A SCREW PLUG  
 (51) Int. Cl.  
*F04D 29/08* (2006.01)  
*F04B 53/04* (2006.01)  
*F04B 53/06* (2006.01)  
*F04B 53/16* (2006.01)  
*F04B 53/22* (2006.01)  
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 (31) 20 2021 105 881.1 (32) 27.10.21 (33) DE  
 (43) 04.05.2023  
 (72) BRÜHLMANN, Dieter  
 (74) GLMR
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 (54) METHOD FOR PRODUCING A CLINICAL WASTE CONTAINER BY INJECTION MOULDING WITH A COOLED MOULD  
 (51) Int. Cl.  
*B29C 45/00* (2006.01)  
*A61B 50/36* (2016.01)  
*B29C 45/73* (2006.01)  
*B29C 45/17* (2006.01)  
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 (31) 2151368-4 (32) 08.11.21 (33) SE  
 (43) 11.05.2023  
 (72) WALL, Peter  
 (74) James & Wells Intellectual Property
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 (54) CLINICAL WASTE CONTAINER COMPRISING WOOD FIBRES ARRANGED WITH FIRST AND SECOND SNAPPING MEANS AND METHOD FOR PRODUCING THE SAME  
 (51) Int. Cl.  
*A61B 50/36* (2016.01)  
*A61B 50/30* (2016.01)  
*B65D 47/14* (2006.01)  
*B65F 1/16* (2006.01)  
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 (21) 2022382689 (22) 07.11.2022  
 (54) REINFORCED CLINICAL WASTE CONTAINER COMPRISING WOOD FIBRES AND METHOD FOR PRODUCING THE SAME  
 (51) Int. Cl.  
*A61B 50/36* (2016.01)  
*A61M 5/32* (2006.01)  
*B29C 45/00* (2006.01)  
*B65D 43/02* (2006.01)  
*B65F 1/16* (2006.01)  
 (87) WO2023/080833  
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 (11) AU-A-2022383751  
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 (51) Int. Cl.  
*B29C 45/00* (2006.01)  
*A61B 50/36* (2016.01)  
*B29C 45/73* (2006.01)  
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 (54) BONE REPAIR DEVICE AND SURGICAL KIT  
 (51) Int. Cl.  
*A61F 2/44* (2006.01)  
*A61K 35/28* (2015.01)  
*A61K 35/32* (2015.01)  
*A61L 27/18* (2006.01)  
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*A61L 27/40* (2006.01)  
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*F41C 27/00* (2006.01)  
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*F24F 1/0025* (2019.01)  
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**H02J 9/06** ( 2006.01 )  
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**G06N 20/00** ( 2019.01 )  
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**C07D 403/12** ( 2006.01 )  
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Richard L.; MISH, Michael R.; SIEGEL,  
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Hai  
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PHOTOVOLTAIC SYSTEM  
**(51)** Int. Cl.  
*H02J 3/46* ( 2006.01 )  
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*A61K 8/02* ( 2006.01 )  
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**(51)** Int. Cl.  
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**(72)** FUKUDA Kazuya  
**(74)** Griffith Hack
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DUCE HYDROGEN  
**(51)** Int. Cl.  
*C01B 3/02* ( 2006.01 )  
*C02F 1/461* ( 2023.01 )  
*C25B 1/04* ( 2021.01 )  
*C25B 9/17* ( 2021.01 )  
*C25B 9/60* ( 2021.01 )  
*C25B 9/70* ( 2021.01 )  
*C25B 11/04* ( 2021.01 )  
*C25B 11/051* ( 2021.01 )  
*C25B 15/04* ( 2006.01 )  
*H01M 4/00* ( 2006.01 )  
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COLLISION INTERCEPTOR  
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*A01G 23/06* ( 2006.01 )  
*B02C 18/06* ( 2006.01 )  
*B02C 18/16* ( 2006.01 )  
*B02C 18/18* ( 2006.01 )  
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*B23C 5/18* ( 2006.01 )  
*B23C 5/20* ( 2006.01 )  
*B23D 61/04* ( 2006.01 )  
*B23D 61/06* ( 2006.01 )  
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**(74)** WRAYS PTY LTD
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TEINS AND METHODS OF USE  
THEREOF  
**(51)** Int. Cl.  
*A61K 39/395* ( 2006.01 )  
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*C07K 14/00* ( 2006.01 )  
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**(72)** SCHROEDER, Martin  
**(74)** FB Rice Pty Ltd
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**(54)** OFF-TARGET BLOCKING SE-  
QUENCES TO IMPROVE TARGET  
DISCRIMINATION BY POLYMERASE  
CHAIN REACTION  
**(51)** Int. Cl.  
*C12Q 1/686* ( 2018.01 )  
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**(74)** Oxygene IP
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PLIANCES MANUFACTURING CO.,  
LTD.; MIDEA GROUP CO., LTD.  
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**(54)** INTERLOCK DEVICE FOR MI-  
CROWAVE OVEN, AND MICROWAVE  
OVEN  
**(51)** Int. Cl.  
*F24C 7/02* ( 2006.01 )  
*E05B 65/00* ( 2006.01 )  
*E05C 19/12* ( 2006.01 )  
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(74) Integrated IP
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*E05C 19/02* ( 2006.01 )  
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(51) Int. Cl.  
*A61K 31/7048* ( 2006.01 )  
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(54) A METHOD FOR PREPARING LITHIUM HEXAFLUOROPHOSPHATE  
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*C01D 15/00* ( 2006.01 )  
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
(11) AU-A-2022424980  
(21) 2022424980 (22) 01.12.2022  
(54) METHODS AND SYSTEMS FOR DETERMINING CAVING VOLUME ESTIMATION FOR USE IN DRILLING OPERATIONS  
(51) Int. Cl.  
*E21B 47/12* ( 2012.01 )  
*E21B 44/02* ( 2006.01 )  
(87) WO2023/129327  
(31) 17/562,359 (32) 27.12.21 (33) US  
(43) 06.07.2023  
(72) GUO, Yonggui; BONIN DE OLIVEIRA, Claudia Lucia; JAMISON, Dale E.  
(74) Spruson & Ferguson
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- (71) HALLIBURTON ENERGY SERVICES, INC.  
(11) AU-A-2022447568  
(21) 2022447568 (22) 17.03.2022  
(54) SENSOR AND ACTUATOR FOR AUTONOMOUSLY DETECTING WELLBORE FLUIDS AND CLOSING FLUID PATH  
(51) Int. Cl.  
*E21B 47/005* ( 2012.01 )  
*E21B 34/08* ( 2006.01 )  
*E21B 43/26* ( 2006.01 )  
*E21B 47/01* ( 2012.01 )  
(87) WO2023/177448  
(31) 17/655,021 (32) 16.03.22 (33) US
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- (43) 21.09.2023  
(72) ELIZONDO, Hector, Jesus; PANCHAL, Ritesh, Dharmendra; CAO, Jinhua  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) HANSHOW TECHNOLOGY CO., LTD.  
(11) AU-A-2021467848  
(21) 2021467848 (22) 12.10.2021  
(54) WATERPROOF DOUBLE-SIDED LIQUID CRYSTAL SCREEN ELECTRONIC PRICE TAG, AND SYSTEM  
(51) Int. Cl.  
*G06F 9/35* ( 2018.01 )  
*H05K 5/02* ( 2006.01 )  
*H05K 5/06* ( 2006.01 )  
(87) WO2023/060426  
(43) 20.04.2023  
(72) LIU, Peixuan; WANG, Linjiang; WANG, Dan; SHEN, Ming; HOU, Shiguo; XU, Hongming  
(74) Griffith Hack
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- (71) HANSOH BIO LLC; SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.  
(11) AU-A-2022376760  
(21) 2022376760 (22) 27.10.2022  
(54) PIPERIDINYL INDOLE DERIVATIVES, PREPARATION METHODS AND MEDICINAL USES THEREOF  
(51) Int. Cl.  
*C07D 401/06* ( 2006.01 )  
*A61K 31/454* ( 2006.01 )  
*A61P 27/00* ( 2006.01 )  
(87) WO2023/072197  
(31) 63/263,108 (32) 27.10.21 (33) US  
63/268,655 28.02.22 US  
63/362,916 13.04.22 US  
63/365,029 20.05.22 US  
63/366,101 09.06.22 US  
(43) 04.05.2023  
(72) ZHU, Hugh Y.; KHANNA, Avinash; KIER, Matthew; DE MEESE, Lisa A.; ZHOU, Wei  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HARBIN MEDISAN PHARMACEUTICAL CO., LTD.  
(11) AU-A-2022434677  
(21) 2022434677 (22) 23.12.2022  
(54) HYDANTOIN COMPOUND AND MEDICAL USE THEREOF  
(51) Int. Cl.  
*C07D 233/64* ( 2006.01 )  
*A61K 31/4174* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
(87) WO2023/138302  
(31) 202210067669.7 (32) 20.01.22 (33) CN  
202211624621.8 16.12.22 CN  
(43) 27.07.2023  
(72) DAI, Liang; SUN, Hongbin; XIANG, Jiehao; FENG, Zhiqi; LIU, Hui; XU, Xianguai; YUN, Yinling; SUN, Gang; LIU, Xin; WANG, Yanyan; YUAN, Haoliang  
(74) Tecrich IP

PCT applications which have entered the National Phase - Name Index cont'd

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(71) HEALTECH PTY LTD  
 (11) AU-A-2022378753  
 (21) 2022378753 (22) 26.10.2022  
 (54) A SAUNA OPERATIONAL STATE CONTROL SYSTEM  
 (51) Int. Cl.  
     **A61H 33/06** ( 2006.01 )  
     **G05B 19/045** ( 2006.01 )  
     **G05D 23/19** ( 2006.01 )  
     **G05D 23/32** ( 2006.01 )  
 (87) WO2023/070150  
 (31) 2021903411 (32) 26.10.21 (33) AU  
 (43) 04.05.2023  
 (72) TYSON, Alex; VESELOVSKY, Jaroslav  
 (74) Actuate Patents

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(71) HEINEKEN SUPPLY CHAIN B.V.  
 (11) AU-A-2022368538  
 (21) 2022368538 (22) 24.10.2022  
 (54) CO-CULTURES FOR EFFICIENTLY PRODUCING A FERMENTED BEVERAGE  
 (51) Int. Cl.  
     **C12C 11/00** ( 2006.01 )  
     **C12C 11/02** ( 2006.01 )  
     **C12C 12/00** ( 2006.01 )  
 (87) WO2023/068934  
 (31) 21204308.7 (32) 22.10.21 (33) EP  
 (43) 27.04.2023  
 (72) DIDERICH, Jasper Andries; PERLI, Thomas; VITALI-VASQUEZ, Maria; DARAN, Jean-Marc George  
 (74) Spruson & Ferguson

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(71) HELMHOLTZ ZENTRUM MÜNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH)  
 (11) AU-A-2022381982  
 (21) 2022381982 (22) 07.11.2022  
 (54) MODULATORS OF MESOTHELIAL ECM MOVEMENT  
 (51) Int. Cl.  
     **C07K 14/495** ( 2006.01 )  
     **C12N 15/86** ( 2006.01 )  
 (87) WO2023/079127  
 (31) 21206688.0 (32) 05.11.21 (33) EP  
 (43) 11.05.2023  
 (72) FISCHER, Adrian; MÜCK-HÄUSL, Martin; RINKEVICH, Yuval; KADRI, Safouane  
 (74) James & Wells Intellectual Property

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(71) HENDRICKSON USA, L.L.C.  
 (11) AU-A-2022382805  
 (21) 2022382805 (22) 26.10.2022  
 (54) SLACK ADJUSTER ASSEMBLY FOR HEAVY-DUTY VEHICLES  
 (51) Int. Cl.  
     **F16D 66/02** ( 2006.01 )  
     **F16D 65/22** ( 2006.01 )  
     **F16D 65/38** ( 2006.01 )  
 (87) WO2023/081044  
 (31) 63/275,629 (32) 04.11.21 (33) US

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(43) 11.05.2023  
 (72) WHITE, Jay D.; DHARAIYA, Dhawal P.  
 (74) Spruson & Ferguson

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(71) HENKEL AG & CO. KGAA  
 (11) AU-A-2022402399  
 (21) 2022402399 (22) 02.12.2022  
 (54) METHOD OF UNDERWATER BONDING  
 (51) Int. Cl.  
     **C08F 255/02** ( 2006.01 )  
     **C09J 4/06** ( 2006.01 )  
     **C09J 151/04** ( 2006.01 )  
 (87) WO2023/099777  
 (31) 2117520.3 (32) 03.12.21 (33) GB  
 (43) 08.06.2023  
 (72) HABERLIN, Gavin; JORDAN, Michael; REILLY, Susan; WARD, Emer  
 (74) Spruson & Ferguson

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(71) HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES  
 (11) AU-A-2022372979  
 (21) 2022372979 (22) 18.10.2022  
 (54) ARRANGEMENTS FOR CHEMICAL LOOPING COMBUSTION SYSTEMS  
 (51) Int. Cl.  
     **F23C 10/18** ( 2006.01 )  
     **B01J 8/24** ( 2006.01 )  
     **C01B 3/32** ( 2006.01 )  
     **C01B 32/50** ( 2017.01 )  
     **F01K 13/00** ( 2006.01 )  
     **F23C 10/01** ( 2006.01 )  
     **F23C 13/06** ( 2006.01 )  
     **F23K 5/00** ( 2006.01 )  
 (87) WO2023/065024  
 (31) 63/257,404 (32) 19.10.21 (33) US  
 (43) 27.04.2023  
 (72) HUGHES, Robin; SYMONDS, Robert; CHAMPAGNE, Scott; LUKA, Emi; BOND, Nicole  
 (74) Chrysiliou IP

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(71) HERMSEN, F.J.  
 (11) AU-A-2022435438  
 (21) 2022435438 (22) 28.01.2022  
 (54) A MAGNETIC TOROID AND A MAGNETICALLY ACTUATED ROTARY COUPLING DEVICE COMPRISING THEREOF  
 (51) Int. Cl.  
     **H01F 17/06** ( 2006.01 )  
     **H01F 7/14** ( 2006.01 )  
     **H02K 7/09** ( 2006.01 )  
 (87) WO2023/140725  
 (31) P12022000412 (32) 20.01.22 (33) MY  
 (43) 27.07.2023  
 (72) HERMSEN, Franciscus Johannes  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) HID GLOBAL CORPORATION  
 (11) AU-A-2021464938  
 (21) 2021464938 (22) 17.09.2021

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(54) LOCATION RECOGNITION USING INERTIAL MEASUREMENT UNIT  
 (51) Int. Cl.  
     **G01C 21/20** ( 2006.01 )  
     **G01C 21/16** ( 2006.01 )  
 (87) WO2023/043477  
 (43) 23.03.2023  
 (72) ROWE, Robert Kjell; MING, Jing  
 (74) Davies Collison Cave Pty Ltd

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(71) HILDITCH, S.  
 (11) AU-A-2022360282  
 (21) 2022360282 (22) 06.10.2022  
 (54) COSMETIC DEVICE  
 (51) Int. Cl.  
     **A61M 35/00** ( 2006.01 )  
 (87) WO2023/057757  
 (31) 2114313.6 (32) 06.10.21 (33) GB  
 (43) 13.04.2023  
 (72) HILDITCH, Sharon  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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(71) HILTI AKTIENGESELLSCHAFT  
 (11) AU-A-2022397497  
 (21) 2022397497 (22) 14.11.2022  
 (54) MOLDED PART MADE OF A FLAMEPROOF ELASTOMER COMPOSITION FOR STRUCTURAL FIRE-PROOFING, AND METHOD FOR PRODUCING CORRESPONDING MOLDED PARTS  
 (51) Int. Cl.  
     **C08L 31/04** ( 2006.01 )  
     **C08K 3/36** ( 2006.01 )  
     **C08K 5/14** ( 2006.01 )  
     **C08L 23/16** ( 2006.01 )  
     **F16L 5/04** ( 2006.01 )  
     **C08K 3/22** ( 2006.01 )  
     **C08K 3/34** ( 2006.01 )  
     **C08K 3/38** ( 2006.01 )  
     **C08K 5/548** ( 2006.01 )  
     **C08L 23/08** ( 2006.01 )  
 (87) WO2023/094198  
 (31) 10 2021 130 724.4 (32) 24.11.21 (33) DE  
 (43) 01.06.2023  
 (72) FREHNER, Daniel; SCHULZ-HANKE, Wolfgang  
 (74) Spruson & Ferguson

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(71) HINOVA PHARMACEUTICALS INC.  
 (11) AU-A-2021464980  
 (21) 2021464980 (22) 17.09.2021  
 (54) QUINOLINE COMPOUND SUSTAINED-RELEASE TABLET AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
     **A61K 9/22** ( 2006.01 )  
     **A61K 31/435** ( 2006.01 )  
     **A61K 31/4353** ( 2006.01 )  
     **A61K 31/4375** ( 2006.01 )  
     **A61K 47/10** ( 2017.01 )  
     **A61K 47/12** ( 2006.01 )  
     **A61K 47/14** ( 2017.01 )  
     **A61K 47/26** ( 2006.01 )  
     **A61K 47/36** ( 2006.01 )  
     **A61K 47/38** ( 2006.01 )  
     **A61P 19/06** ( 2006.01 )  
     **C07D 215/06** ( 2006.01 )

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**C07D 215/42** ( 2006.01 )  
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**(43)** 23.03.2023  
**(72)** WEI, Xing; KUANG, Tongtao; CHEN, Ji-ang; AI, Chaowu; LI, Xinghai  
**(74)** FB Rice Pty Ltd
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- (71)** HOLLISTER INCORPORATED  
**(11)** AU-A-2022366683  
**(21)** 2022366683 **(22)** 31.08.2022  
**(54)** STOMA TEMPLATE AND METHOD OF FABRICATING A CUSTOM OSTOMY SKIN BARRIER  
**(51)** Int. Cl.  
**A61F 5/445** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
**A61F 5/443** ( 2006.01 )  
**A61F 5/449** ( 2006.01 )  
**(87)** WO2023/064049  
**(31)** 63/254,239 **(32)** 11.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** WINES, James, P.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HOLLISTER INCORPORATED  
**(11)** AU-A-2022375664  
**(21)** 2022375664 **(22)** 26.10.2022  
**(54)** METHOD FOR SCANNING STOMA AND PERISTOMAL TOPOGRAPHY AND GENERATING REPRESENTATIONS OF SAME  
**(51)** Int. Cl.  
**A61F 5/00** ( 2006.01 )  
**A61F 5/443** ( 2006.01 )  
**A61F 5/445** ( 2006.01 )  
**(87)** WO2023/076382  
**(31)** 63/272,349 **(32)** 27.10.21 **(33)** US  
**(43)** 04.05.2023  
**(72)** CZAPLEWSKI, Gregory, J.; JOCKEL, Mark, W.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HOLLISTER INCORPORATED  
**(11)** AU-A-2022400676  
**(21)** 2022400676 **(22)** 16.11.2022  
**(54)** ASYMMETRIC ADHESIVE PACKAGING ENCLOSURE FOR EASE OF MATERIAL REMOVAL  
**(51)** Int. Cl.  
**A61F 5/443** ( 2006.01 )  
**A61B 50/30** ( 2016.01 )  
**A61F 5/445** ( 2006.01 )  
**(87)** WO2023/101813  
**(31)** 63/284,682 **(32)** 01.12.21 **(33)** US  
**(43)** 08.06.2023  
**(72)** DEFANTE, Adrian, P.; JOCKEL, Mark, W.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HONEYWELL INTERNATIONAL INC.  
**(11)** AU-A-2022370065  
**(21)** 2022370065 **(22)** 21.10.2022  
**(54)** LOW GWP HEAT TRANSFER COMPOSITIONS  
**(51)** Int. Cl.  
**C09K 5/04** ( 2006.01 )
- F25B 9/00** ( 2006.01 )  
**(87)** WO2023/069738  
**(31)** 63/271,069 **(32)** 22.10.21 **(33)** US  
**(43)** 27.04.2023  
**(72)** HULSE, Ryan; VOGL, Ronald; CUELLAR, Kyle; KAYODE, Oluwaseyi  
**(74)** Patent Attorney Services
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- (71)** HOVER INC.  
**(11)** AU-A-2022373777  
**(21)** 2022373777 **(22)** 21.10.2022  
**(54)** THREE-DIMENSIONAL BUILDING MODEL GENERATION BASED ON CLASSIFICATION OF IMAGE ELEMENTS  
**(51)** Int. Cl.  
**G06V 20/17** ( 2022.01 )  
**G06T 7/55** ( 2017.01 )  
**G06V 20/10** ( 2022.01 )  
**(87)** WO2023/070115  
**(31)** 63/271,197 **(32)** 24.10.21 **(33)** US  
**(43)** 27.04.2023  
**(72)** LANGERMAN, Jack Michael; ENDRES, Ian; RETHAGE, Dario; LI, Panfeng  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** HUANG, Y.  
**(11)** AU-A-2021468754  
**(21)** 2021468754 **(22)** 15.10.2021  
**(54)** HAND-PRESSING ROTARY CLEANING MEMBER COVERING ENTIRE CIRCUMFERENTIAL SURFACE OF CLEANING COMPONENT CONFIGURATION SECTION IN ALL DIRECTIONS  
**(51)** Int. Cl.  
**A47L 13/20** ( 2006.01 )  
**A47L 13/42** ( 2006.01 )  
**A47L 13/58** ( 2006.01 )  
**(87)** WO2023/060522  
**(43)** 20.04.2023  
**(72)** HUANG, Yi-Hsuan  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2022367093  
**(21)** 2022367093 **(22)** 29.09.2022  
**(54)** COMMUNICATION METHOD AND APPARATUS  
**(51)** Int. Cl.  
**H04W 4/06** ( 2009.01 )  
**H04W 72/00** ( 2023.01 )  
**(87)** WO2023/061238  
**(31)** 202111202345.1 **(32)** 15.10.21 **(33)** CN  
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**(43)** 20.04.2023  
**(72)** ZHANG, Haisen; LI, Bingzhao  
**(74)** Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2022367098  
**(21)** 2022367098 **(22)** 30.09.2022  
**(54)** METHOD, APPARATUS AND SYSTEM FOR OPTIMIZING NETWORK CAPACITY  
**(51)** Int. Cl.
- H04W 16/18** ( 2009.01 )  
**(87)** WO2023/061253  
**(31)** 202111184353.8 **(32)** 11.10.21 **(33)** CN  
**(43)** 20.04.2023  
**(72)** XU, Ruiyue; SHI, Xiaoli  
**(74)** Halfords IP
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- (71)** HUBBELL INCORPORATED  
**(11)** AU-A-2022362251  
**(21)** 2022362251 **(22)** 13.10.2022  
**(54)** LOCKING DOG ASSEMBLY  
**(51)** Int. Cl.  
**E02D 5/80** ( 2006.01 )  
**E02D 5/56** ( 2006.01 )  
**E02D 7/22** ( 2006.01 )  
**E02D 13/10** ( 2006.01 )  
**E21D 20/00** ( 2006.01 )  
**(87)** WO2023/064454  
**(31)** 63/255,736 **(32)** 14.10.21 **(33)** US  
 63/281,824 22.11.21 US  
**(43)** 20.04.2023  
**(72)** BROWN, Joseph Reed  
**(74)** Spruson & Ferguson
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- (71)** HUGHES ASSET GROUP PTY LTD  
**(11)** AU-A-2022345520  
**(21)** 2022345520 **(22)** 15.09.2022  
**(54)** A COUPLER  
**(51)** Int. Cl.  
**E02F 3/36** ( 2006.01 )  
**(87)** WO2023/042100  
**(31)** 2021902983 **(32)** 16.09.21 **(33)** AU  
**(43)** 23.03.2023  
**(72)** HUGHES, Noel Robert  
**(74)** Catalyst Intellectual Property
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- (71)** HUNTER DOUGLAS INDUSTRIES SWITZERLAND GMBH  
**(11)** AU-A-2022348800  
**(21)** 2022348800 **(22)** 13.09.2022  
**(54)** VERTICAL BLIND COMPRISING MULTIPLE STRIP-SHAPED SHADING ELEMENTS  
**(51)** Int. Cl.  
**E06B 9/36** ( 2006.01 )  
**(87)** WO2023/041534  
**(31)** 10 2021 123 763.7 **(32)** 14.09.21 **(33)** DE  
**(43)** 23.03.2023  
**(72)** FÄRBER, Nadine; TANTS, Guido; ZWENGER, Wolfgang; WÜNSCHE, Jens  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** HUNTER INDUSTRIES, INC.  
**(11)** AU-A-2022368339  
**(21)** 2022368339 **(22)** 25.08.2022  
**(54)** SYSTEMS AND METHODS TO MANAGE THEMES IN LIGHTING MODULES  
**(51)** Int. Cl.  
**H05B 47/155** ( 2020.01 )  
**H05B 47/185** ( 2020.01 )  
**(87)** WO2023/064046  
**(31)** 17/450,811 **(32)** 13.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** WOYTOWITZ, Peter John  
**(74)** Davies Collison Cave Pty Ltd

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- (71) HUSQVARNA AB  
 (11) AU-A-2021469663  
 (21) 2021469663 (22) 22.10.2021  
 (54) LAWN CARE VEHICLE WITH IMPROVED SEAT ISOLATION  
 (51) Int. Cl.  
**B60N 2/50** ( 2006.01 )  
**A01D 34/00** ( 2006.01 )  
**A01D 67/04** ( 2006.01 )  
**B60N 2/54** ( 2006.01 )  
 (87) WO2023/069112  
 (43) 27.04.2023  
 (72) COPPING, Ryan; MANDEVILLE, Kenneth; ESTEY, David; SCHOONMAKER, Adam; WILLIAMS, Lee  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) HYDRAFACIAL LLC  
 (11) AU-A-2022361917  
 (21) 2022361917 (22) 07.10.2022  
 (54) DEVICES, SYSTEMS AND METHODS FOR TREATING THE SKIN  
 (51) Int. Cl.  
**A61M 35/00** ( 2006.01 )  
**A61B 17/54** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )  
 (87) WO2023/064718  
 (31) 63/254,455 (32) 11.10.21 (33) US  
 (43) 20.04.2023  
 (72) IGNON, Roger, G.; NICOLAS, Ed, F.; VAN BEL, Johann; HERNANDEZ, David; ROBBERS, Jesse; PALMER, Michael; FOSTER, James; OBERKRAMER, Kevin; CHRISTOPHER, Kevin; SHAW, Yale; ORTIZ, Elliot  
 (74) Griffith Hack
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- (71) I3S - INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO EM SAÚDE, ASSOCIAÇÃO; INSTITUTO PORTUGUÊS DE ONCOLOGIA DO PORTO FRANCISCO GENTIL, EPE; REQUIMTE - REDE DE QUÍMICA E DE TECNOLOGIA ASSOCIAÇÃO  
 (11) AU-A-2022337951  
 (21) 2022337951 (22) 05.09.2022  
 (54) CD44 GLYCOEPIPOES AND CHIMERIC VACCINE GLYCOCONJUGATES FOR CANCER THERAPY AND SYNTHESIS METHODS THEREOF  
 (51) Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
 (87) WO2023/033664  
 (31) 117449 (32) 04.09.21 (33) PT  
 118181 02.09.22 PT  
 (43) 09.03.2023  
 (72) RIBEIRO DE CASTRO FERREIRA, José Alexandre; MOREIRA NETO DA SILVA, André; NEVES FREITAS, Rui Filipe; DE LARA SANTOS, Lúcio José; RELVAS DOS SANTOS, Marta Filipa; MILHAZES GAITEIRO, Cristiana; FERREIRA PEIXOTO, Andreia Filipa; LINHARES MIRANDA, Andreia Rafaela; GOMES FERREIRA, Dylan; TEIXEIRA DE CASTRO, Flávia Raquel; CARMELO CARDOSO SARMENTO, Bruno Filipe; CARDOSO OLIVEIRA, Maria José  
 (74) AJ PARK
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- (71) I4F LICENSING NV  
 (11) AU-A-2022357420  
 (21) 2022357420 (22) 30.09.2022  
 (54) PANEL INTERCONNECTABLE WITH SIMILAR PANELS FOR FORMING A COVERING  
 (51) Int. Cl.  
**E04F 15/02** ( 2006.01 )  
 (87) WO2023/052595  
 (31) 2029283 (32) 30.09.21 (33) NL  
 (43) 06.04.2023  
 (72) BOUCKÉ, Eddy Alberic; DEVOS, Pieter Renaat Karel  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71) ICU MEDICAL, INC.  
 (11) AU-A-2022367366  
 (21) 2022367366 (22) 16.09.2022  
 (54) INTRAVENOUS INFUSION PUMP WITH CASSETTE INSERTION AND PUMP CONTROL USER INTERFACE  
 (51) Int. Cl.  
**A61M 5/14** ( 2006.01 )  
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**G06F 8/60** ( 2018.01 )  
**G06F 13/10** ( 2006.01 )  
**G06F 21/60** ( 2013.01 )  
**G06F 21/74** ( 2013.01 )  
**G16H 20/17** ( 2018.01 )  
**G16H 40/60** ( 2018.01 )  
**H03M 13/00** ( 2006.01 )  
**H04L 5/00** ( 2006.01 )  
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**C10G 45/44** ( 2006.01 )  
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**C07C 1/00** ( 2006.01 )  
**B01J 8/06** ( 2006.01 )  
**C01B 3/02** ( 2006.01 )  
**C07B 61/00** ( 2006.01 )  
**C07C 1/12** ( 2006.01 )  
**C07C 9/00** ( 2006.01 )  
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*C07K 14/47* ( 2006.01 )  
*C07K 14/55* ( 2006.01 )  
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*G16H 30/40* ( 2018.01 )  
*G06T 7/70* ( 2017.01 )  
*G06T 15/00* ( 2011.01 )  
*G06V 30/14* ( 2022.01 )  
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**A61P 3/10** ( 2006.01 )  
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 A61K 35/42 (2015.01)  
 A61P 11/00 (2006.01)
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 A23C 9/123 (2006.01)  
 A23L 33/135 (2016.01)  
 C12N 1/20 (2006.01)  
 C12N 15/01 (2006.01)
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 A61K 8/99 (2017.01)  
 A61Q 19/08 (2006.01)
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 ING DEVICE USED IN SOLAR IN-  
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 B08B 1/32 (2024.01)  
 B08B 1/00 (2006.01)  
 H02S 40/00 (2014.01)  
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 A61K 31/495 (2006.01)  
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 A61P 25/36 (2006.01)  
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 G16B 40/30 (2019.01)  
 G06N 20/00 (2019.01)  
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 A61P 1/00 (2006.01)  
 A61P 1/16 (2006.01)  
 A61P 1/18 (2006.01)  
 A61P 13/02 (2006.01)  
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METHODS OF USE  
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**A61Q 11/00** ( 2006.01 )  
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**H04L 51/21** ( 2022.01 )  
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**G06N 3/04** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
**G06T 7/00** ( 2017.01 )  
**G06V 10/44** ( 2022.01 )  
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**H05B 1/02** ( 2006.01 )  
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METHOD THEREFOR, AND MEDICAL  
USE THEREOF  
(51) Int. Cl.  
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**A61K 31/4985** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/14** ( 2006.01 )  
**C07D 487/12** ( 2006.01 )  
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(54) REMOTE METHANE DETECTOR  
(51) Int. Cl.

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**C07K 14/54** ( 2006.01 )  
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**A01D 7/04** ( 2006.01 )  
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**B62M 29/02** ( 2006.01 )  
**B63H 16/04** ( 2006.01 )  
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**D21H 17/55** ( 2006.01 )  
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**A61L 2/235** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
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**(54)** DEPOLYMERIZATION OF A POLY-HYDROXYALKANOATE AND RE-CYCLING OF HYDROXYALKANOATE MONOMER OBTAINED THEREBY VIA A METABOLIC PROCESS  
**(51)** Int. Cl.  
**C08J 11/10** ( 2006.01 )  
**C08L 67/04** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12P 7/62** ( 2022.01 )  
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**(54)** A FORESTRY SYSTEM  
**(51)** Int. Cl.  
**A01G 23/00** ( 2006.01 )  
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**B60L 50/61** ( 2019.01 )  
**B60L 53/14** ( 2019.01 )  
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**E21F 13/02** ( 2006.01 )  
**(87)** WO2023/085173
- (31)** 2021-185567 **(32)** 15.11.21 **(33)** JP  
**(43)** 19.05.2023  
**(72)** HIRATSUKA Keigo; KAWAI Kazunari; TERADA Shinichi; UETAKE Masaaki  
**(74)** FB Rice Pty Ltd
- 
- (71)** KONGSBERG MARITIME AS  
**(11)** AU-A-2022411856  
**(21)** 2022411856 **(22)** 14.12.2022  
**(54)** A CHAIN LOAD MONITORING UNIT, AND AN INSTALLATION TOOL AND A METHOD FOR INSTALLING A CHAIN LOAD MONITORING UNIT  
**(51)** Int. Cl.  
**G01L 5/102** ( 2020.01 )  
**B63B 21/00** ( 2006.01 )  
**E21B 17/01** ( 2006.01 )  
**G01L 5/108** ( 2020.01 )  
**(87)** WO2023/113611  
**(31)** 20211537 **(32)** 17.12.21 **(33)** NO  
**(43)** 22.06.2023  
**(72)** EILERTSEN, Lasse; LERVIK, Arnstein; HOPLAND, Morten  
**(74)** Spruson & Ferguson
- 
- (71)** KOREA ZINC CO., LTD.  
**(11)** AU-A-2023222920  
**(21)** 2023222920 **(22)** 24.05.2023  
**(54)** METHOD FOR REMOVING HALIDE FROM WAEZL OXIDE  
**(51)** Int. Cl.  
**C22B 19/28** ( 2006.01 )  
**(87)** WO2023/234623  
**(31)** 10-2022-0132507 **(32)** 14.10.22 **(33)** KR  
**(43)** 02.05.2024  
**(72)** CHOI, Heon Sik; JOO, Jae Hoon  
**(74)** ET Intellectual Property
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- (71)** KOREA ZINC CO., LTD.  
**(11)** AU-A-2023222922  
**(21)** 2023222922 **(22)** 19.05.2023  
**(54)** METHOD FOR MANUFACTURING HIGH-GRADE REFINED IRON OXIDE FROM IRON OXIDE AS BY-PRODUCT OF ZINC SMELTING PROCESS  
**(51)** Int. Cl.  
**C22B 19/28** ( 2006.01 )  
**(87)** WO2023/234608  
**(31)** 10-2022-0132523 **(32)** 14.10.22 **(33)** KR  
**(43)** 02.05.2024  
**(72)** CHOI, Heon Sik; KANG, Sung Moon  
**(74)** ET Intellectual Property
- 
- (71)** KORY DUBAY MANUFACTURING AUSTRALIA PTY LTD  
**(11)** AU-A-2022419398  
**(21)** 2022419398 **(22)** 16.12.2022  
**(54)** MACHINE, ADAPTER SANDING BLOCK, ASSEMBLY AND METHOD OF OPERATION  
**(51)** Int. Cl.  
**B24B 41/00** ( 2006.01 )  
**B23Q 15/22** ( 2006.01 )  
**B23Q 15/24** ( 2006.01 )  
**B24B 27/00** ( 2006.01 )  
**B24B 41/047** ( 2006.01 )  
**B24B 49/08** ( 2006.01 )
- B24B 49/16** ( 2006.01 )  
**B24B 51/00** ( 2006.01 )  
**(87)** WO2023/115111  
**(31)** 2021904203 **(32)** 22.12.21 **(33)** AU  
**(43)** 29.06.2023  
**(72)** KORYBUTIAK, Bogdan Eugene  
**(74)** Spruson & Ferguson
- 
- (71)** KRAFT FOODS GROUP BRANDS LLC  
**(11)** AU-A-2022359931  
**(21)** 2022359931 **(22)** 07.10.2022  
**(54)** PLANT-BASED CHEESE PRODUCT AND METHOD OF MAKING A PLANT-BASED CHEESE PRODUCT  
**(51)** Int. Cl.  
**A23C 20/02** ( 2021.01 )  
**A23L 29/219** ( 2016.01 )  
**A23L 29/231** ( 2016.01 )  
**A23L 29/262** ( 2016.01 )  
**A23L 29/281** ( 2016.01 )  
**(87)** WO2023/059886  
**(31)** 63/253,456 **(32)** 07.10.21 **(33)** US  
 17/733,732 29.04.22 US  
**(43)** 13.04.2023  
**(72)** MOCA, Judith Gulten; HIBNICK, Allison M.; KARAKAPLAN, Isin; DOBSON, Stacie Lynn; MARANGONI, Alejandro G.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** KRAFT FOODS SCHWEIZ HOLDING GMBH  
**(11)** AU-A-2022349821  
**(21)** 2022349821 **(22)** 26.09.2022  
**(54)** CHOCOLATE PRODUCT  
**(51)** Int. Cl.  
**A23G 1/00** ( 2006.01 )  
**A23G 1/36** ( 2006.01 )  
**A23G 1/40** ( 2006.01 )  
**A23G 1/48** ( 2006.01 )  
**(87)** WO2023/046965  
**(31)** 63/248,937 **(32)** 27.09.21 **(33)** US  
**(43)** 30.03.2023  
**(72)** COMERFORD, Katelyn; MUKHERJEE, Indraneil; NORTON, Clive  
**(74)** Griffith Hack
- 
- (71)** KRONES AKTIENGESELLSCHAFT  
**(11)** AU-A-2022362552  
**(21)** 2022362552 **(22)** 13.09.2022  
**(54)** METHOD, APPLICATION DEVICE, AND PACKAGING DEVICE FOR PRODUCING STRAPPED PACKAGES  
**(51)** Int. Cl.  
**B65B 13/02** ( 2006.01 )  
**B65B 13/20** ( 2006.01 )  
**B65B 27/04** ( 2006.01 )  
**B65C 3/06** ( 2006.01 )  
**(87)** WO2023/061680  
**(31)** 10 2021 126 398.0 **(32)** 12.10.21 **(33)** DE  
**(43)** 20.04.2023  
**(72)** HAIDACHER, Peter; KREIS, Marcus; SAUMWEBER, Florian; SPINDLER, Herbert  
**(74)** Griffith Hack

PCT applications which have entered the National Phase - Name Index cont'd

- (71) KUMIAI CHEMICAL INDUSTRY CO., LTD.  
 (11) AU-A-2022376054  
 (21) 2022376054 (22) 12.10.2022  
 (54) AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION, METHOD FOR PREVENTING CROP DAMAGE, AND SEED OF USEFUL PLANT  
 (51) Int. Cl.  
*A01N 25/04* (2006.01)  
*A01C 1/08* (2006.01)  
*A01N 25/00* (2006.01)  
*A01N 43/80* (2006.01)  
*A01P 3/00* (2006.01)  
 (87) WO2023/074370  
 (31) 2021-177426 (32) 29.10.21 (33) JP  
 (43) 04.05.2023  
 (72) AMANO Naruki  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) KUMIAI CHEMICAL INDUSTRY CO., LTD.  
 (11) AU-A-2022379130  
 (21) 2022379130 (22) 12.10.2022  
 (54) AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION, PLANT DISEASE CONTROL METHOD, AND SEED OF USEFUL PLANT  
 (51) Int. Cl.  
*A01N 43/80* (2006.01)  
*A01C 1/08* (2006.01)  
*A01N 25/00* (2006.01)  
*A01N 25/04* (2006.01)  
*A01P 3/00* (2006.01)  
 (87) WO2023/074372  
 (31) 2021-177425 (32) 29.10.21 (33) JP  
 (43) 04.05.2023  
 (72) AMANO Naruki  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) KURA ONCOLOGY, INC.  
 (11) AU-A-2022399572  
 (21) 2022399572 (22) 29.11.2022  
 (54) MACROCYCLIC COMPOUNDS HAVING FARNESYLTRANSFERASE INHIBITORY ACTIVITY  
 (51) Int. Cl.  
*C07D 401/04* (2006.01)  
*A61K 31/439* (2006.01)  
*A61P 35/00* (2006.01)  
*C07D 491/08* (2006.01)  
*C07D 491/18* (2006.01)  
 (87) WO2023/102378  
 (31) 202111442658.4 (32) 30.11.21 (33) CN  
 63/285,412 02.12.21 US  
 202211471486.8 23.11.22 CN  
 63/385,117 28.11.22 US  
 (43) 08.06.2023  
 (72) ZHU, Xuefeng; REN, Pingda; BAI, Zhu; XIONG, Wanting; XU, Dan; LIU, Yahu, Arthur  
 (74) FB Rice Pty Ltd
- 
- (71) KWS SAAT SE & CO. KGAA  
 (11) AU-A-2022393131  
 (21) 2022393131 (22) 15.11.2022
- 
- (71) KUMIAI CHEMICAL INDUSTRY CO., LTD.  
 (11) AU-A-2022360817  
 (21) 2022360817 (22) 07.10.2022  
 (54) MICROORGANISM HAVING ABILITY TO PRODUCE N-ACETYL-NEURAMINIC ACID AND/OR N-ACETYLNEURAMINIC ACID-CONTAINING CARBOHYDRATE AND METHOD FOR PRODUCING N-ACETYL-NEURAMINIC ACID AND/OR N-ACETYLNEURAMINIC ACID-CONTAINING CARBOHYDRATE USING SAID MICROORGANISM  
 (51) Int. Cl.  
*C12N 1/21* (2006.01)  
*C12P 19/28* (2006.01)  
*C12N 15/53* (2006.01)  
*C12N 15/54* (2006.01)  
*C12N 15/61* (2006.01)  
 (87) WO2023/058772  
 (31) 2021-166476 (32) 08.10.21 (33) JP  
 (43) 13.04.2023  
 (72) NAOE Taiki; UJIHARA Tetsuro  
 (74) Spruson & Ferguson
- 
- (71) KØBENHAVNS UNIVERSITET  
 (11) AU-A-2022357338  
 (21) 2022357338 (22) 28.09.2022  
 (54) CONJUGATES OF GLUCAGON AND AMPK ACTIVATORS  
 (51) Int. Cl.  
*A61K 47/64* (2017.01)  
*A61P 3/00* (2006.01)  
*A61P 3/10* (2006.01)  
 (87) WO2023/052415  
 (31) 21199346.4 (32) 28.09.21 (33) EP  
 (43) 06.04.2023  
 (72) CLEMMENSEN, Christoffer; KLEIN, Anders Bue; PETERSEN, Jonas Odgaard; SAKAMOTO, Kei  
 (74) WRAYS PTY LTD
- 
- (71) LAING O'ROURKE PLC  
 (11) AU-A-2022364013  
 (21) 2022364013 (22) 30.09.2022  
 (54) METHOD FOR MAKING REBAR AR-RAYS  
 (51) Int. Cl.  
*B28B 23/02* (2006.01)  
*B21F 23/00* (2006.01)  
*B25J 15/00* (2006.01)  
*B65G 47/12* (2006.01)  
*B65G 47/14* (2006.01)  
*B65G 47/22* (2006.01)  
*B65G 47/32* (2006.01)  
*B65G 47/86* (2006.01)  
*B65G 47/88* (2006.01)
- 
- (71) METHOD AND APPARATUS FOR SORTING SEEDS  
 (51) Int. Cl.  
*A01H 1/04* (2006.01)  
*G01J 3/28* (2006.01)  
 (87) WO2023/088892  
 (31) 21208719.1 (32) 17.11.21 (33) EP  
 (43) 25.05.2023  
 (72) LAGE, Jacob; UTSCHIG, Christian; HIRSCHMANN, Christian Bernd  
 (74) Spruson & Ferguson
- 
- (71) KYOWA HAKKO BIO CO., LTD.  
 (11) AU-A-2022360817  
 (21) 2022360817 (22) 07.10.2022  
 (54) MICROORGANISM HAVING ABILITY TO PRODUCE N-ACETYL-NEURAMINIC ACID AND/OR N-ACETYLNEURAMINIC ACID-CONTAINING CARBOHYDRATE AND METHOD FOR PRODUCING N-ACETYL-NEURAMINIC ACID AND/OR N-ACETYLNEURAMINIC ACID-CONTAINING CARBOHYDRATE USING SAID MICROORGANISM  
 (51) Int. Cl.  
*C12N 1/21* (2006.01)  
*C12P 19/28* (2006.01)  
*C12N 15/53* (2006.01)  
*C12N 15/54* (2006.01)  
*C12N 15/61* (2006.01)  
 (87) WO2023/058772  
 (31) 2021-166476 (32) 08.10.21 (33) JP  
 (43) 13.04.2023  
 (72) NAOE Taiki; UJIHARA Tetsuro  
 (74) Spruson & Ferguson
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- (71) LANXESS DEUTSCHLAND GMBH  
 (11) AU-A-2022393991  
 (21) 2022393991 (22) 14.11.2022  
 (54) APPARATUS AND METHOD FOR PRESERVING BEVERAGES WITH SYSTEM MONITORING  
 (51) Int. Cl.  
*A23L 2/44* (2006.01)  
*A23L 3/3517* (2006.01)  
 (87) WO2023/088838  
 (31) 21208425.5 (32) 16.11.21 (33) EP  
 (43) 25.05.2023  
 (72) SARTORIUS, Gerhard; KUBATZ, Axel; BURGHOLZ, Jonas; VOGL, Erasmus  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
- 
- (71) LEE, R.F.; LEE, I.A.  
 (11) AU-A-2022364998  
 (21) 2022364998 (22) 11.10.2022  
 (54) SYSTEM AND METHOD FOR A MEDICAL IMPLANT WITH INTEGRATED PROPULSORS  
 (51) Int. Cl.  
*A61B 17/68* (2006.01)  
*A61B 17/88* (2006.01)  
 (87) WO2023/064785  
 (31) 63/254,810 (32) 12.10.21 (33) US  
 63/393,220 28.07.22 US  
 (43) 20.04.2023  
 (72) LEE, Randall F.; LEE, Ian A.  
 (74) Matthew Sulman & Associates
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- (71) LEFT AG  
 (11) AU-A-2022385452  
 (21) 2022385452 (22) 15.11.2022  
 (54) METHOD AND DEVICE FOR REMOVING SOLIDS DOWNSTREAM OF A SIPHON OF A TOILET, AND OPERATION OF A DEVICE OF THIS TYPE  
 (51) Int. Cl.  
*E03D 5/00* (2006.01)  
*A47K 11/02* (2006.01)  
*E03D 5/014* (2006.01)
- 
- (71) LANDIS+GYR INNOVATIONS, INC.  
 (11) AU-A-2022370326  
 (21) 2022370326 (22) 18.10.2022  
 (54) CONTROLLING PULSED OPERATION OF A POWER SUPPLY DURING A POWER OUTAGE  
 (51) Int. Cl.  
*G01R 21/06* (2006.01)  
*G06F 1/30* (2006.01)  
*H02J 9/06* (2006.01)  
 (87) WO2023/069389  
 (31) 17/506,528 (32) 20.10.21 (33) US  
 (43) 27.04.2023  
 (72) BUSEKRUS, Doug  
 (74) Davies Collison Cave Pty Ltd
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- (71) LANXESS DEUTSCHLAND GMBH  
 (11) AU-A-2022393991  
 (21) 2022393991 (22) 14.11.2022  
 (54) APPARATUS AND METHOD FOR PRESERVING BEVERAGES WITH SYSTEM MONITORING  
 (51) Int. Cl.  
*A23L 2/44* (2006.01)  
*A23L 3/3517* (2006.01)  
 (87) WO2023/088838  
 (31) 21208425.5 (32) 16.11.21 (33) EP  
 (43) 25.05.2023  
 (72) SARTORIUS, Gerhard; KUBATZ, Axel; BURGHOLZ, Jonas; VOGL, Erasmus  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
- 
- (71) LEE, R.F.; LEE, I.A.  
 (11) AU-A-2022364998  
 (21) 2022364998 (22) 11.10.2022  
 (54) SYSTEM AND METHOD FOR A MEDICAL IMPLANT WITH INTEGRATED PROPULSORS  
 (51) Int. Cl.  
*A61B 17/68* (2006.01)  
*A61B 17/88* (2006.01)  
 (87) WO2023/064785  
 (31) 63/254,810 (32) 12.10.21 (33) US  
 63/393,220 28.07.22 US  
 (43) 20.04.2023  
 (72) LEE, Randall F.; LEE, Ian A.  
 (74) Matthew Sulman & Associates
- 
- (71) LEFT AG  
 (11) AU-A-2022385452  
 (21) 2022385452 (22) 15.11.2022  
 (54) METHOD AND DEVICE FOR REMOVING SOLIDS DOWNSTREAM OF A SIPHON OF A TOILET, AND OPERATION OF A DEVICE OF THIS TYPE  
 (51) Int. Cl.  
*E03D 5/00* (2006.01)  
*A47K 11/02* (2006.01)  
*E03D 5/014* (2006.01)

PCT applications which have entered the National Phase - Name Index cont'd

**E03D 11/11** ( 2006.01 )  
**(87)** WO2023/084100  
**(31)** CH70554/2021 **(32)** 15.11.21 **(33)** CH  
**(43)** 19.05.2023  
**(72)** KOLLER, Markus  
**(74)** SPICER SPICER PTY LTD

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**(71)** LEIBNIZ-INSTITUT FÜR PLASMA-FORSCHUNG UND TECHNOLOGIE E.V.  
**(11)** AU-A-2022394754  
**(21)** 2022394754 **(22)** 17.11.2022  
**(54)** METHOD AND DEVICE FOR FORMING A CATALYTICALLY-ACTIVE MEMBRANE OR A MEMBRANE-ELECTRODE-ASSEMBLY  
**(51)** Int. Cl.  
**H01M 4/86** ( 2006.01 )  
**H01M 4/88** ( 2006.01 )  
**H01M 4/92** ( 2006.01 )  
**H01M 8/10** ( 2016.01 )  
**(87)** WO2023/089069  
**(31)** 21208765.4 **(32)** 17.11.21 **(33)** EP  
**(43)** 25.05.2023  
**(72)** SIEVERS, Gustav; BRÜSER, Volker; COLLANTES-JIMÉNEZ, Pablo; ANKLAM, Kirsten  
**(74)** SR Intellectual Property

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**(71)** LES LABORATOIRES SERVIER  
**(11)** AU-A-2022361653  
**(21)** 2022361653 **(22)** 03.10.2022  
**(54)** CANCER THERAPY TARGETING NKG2A  
**(51)** Int. Cl.  
**C07K 16/46** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/32** ( 2006.01 )  
**(87)** WO2023/057381  
**(31)** 21306386.0 **(32)** 04.10.21 **(33)** EP  
**(43)** 13.04.2023  
**(72)** ANDERSEN, Daniel; LAUGEL, Bruno; MELANDER, Eva Maria Carlsen; NANCY-PORTEBOIS, Vanessa; OCANA FERNANDEZ, Alberto; PIERRAT, Marie-Jeanne; UHLENBROCK, Franziska Katharina  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS

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**(71)** LES LABORATOIRES SERVIER  
**(11)** AU-A-2022369026  
**(21)** 2022369026 **(22)** 19.10.2022  
**(54)** NOVEL TRIMETAZIDINE SALTS  
**(51)** Int. Cl.  
**C07D 295/096** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**(87)** WO2023/066971  
**(31)** 21306465.2 **(32)** 20.10.21 **(33)** EP  
**(43)** 27.04.2023  
**(72)** MAHIEUX, Julien; VILLARD, Frédéric  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS

**(71)** LG ENERGY SOLUTION, LTD.  
**(11)** AU-A-2023246287  
**(21)** 2023246287 **(22)** 27.01.2023  
**(54)** METHOD AND SYSTEM FOR BATTERY ABNORMALITY DETECTION THROUGH ARTIFICIAL NEURAL NETWORK BATTERY MODEL BASED ON FIELD DATA  
**(51)** Int. Cl.  
**G01R 31/367** ( 2019.01 )  
**G01R 19/00** ( 2006.01 )  
**G01R 19/165** ( 2006.01 )  
**G01R 31/3842** ( 2019.01 )  
**G01R 31/392** ( 2019.01 )  
**G06N 3/08** ( 2023.01 )  
**(87)** WO2023/191283  
**(31)** 10-2022-0039370 **(32)** 30.03.22 **(33)** KR  
**(43)** 05.10.2023  
**(72)** YOON, Sung Yul; KWON, Ki Wook; LEE, Jeong Bin  
**(74)** FB Rice Pty Ltd

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**(71)** LG ENERGY SOLUTION, LTD.  
**(11)** AU-A-2023344235  
**(21)** 2023344235 **(22)** 13.07.2023  
**(54)** APPARATUS AND METHOD FOR ESTABLISHING OPERATION PLAN FOR BATTERY SYSTEM COMPRISING NEWLY INSTALLED BATTERIES  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**G01R 31/367** ( 2019.01 )  
**G01R 31/392** ( 2019.01 )  
**H02J 3/28** ( 2006.01 )  
**(87)** WO2024/063281  
**(31)** 10-2022-0117636 **(32)** 19.09.22 **(33)** KR  
**(43)** 28.03.2024  
**(72)** SON, Subin; CHO, Jaesung; CHAE, Hongmoon; CHOI, Bong Hyuk; KWON, Gi Duk; IM, Jaesung  
**(74)** FB Rice Pty Ltd

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**(71)** LI, L.  
**(11)** AU-A-2021468340  
**(21)** 2021468340 **(22)** 15.10.2021  
**(54)** ROTARY ENGINE  
**(51)** Int. Cl.  
**F02B 53/00** ( 2006.01 )  
**(87)** WO2023/062398  
**(43)** 20.04.2023  
**(72)** LI, Liangui  
**(74)** Michael Buck IP

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**(71)** LIGALLI B.V.  
**(11)** AU-A-2022365372  
**(21)** 2022365372 **(22)** 14.10.2022  
**(54)** TUMOR MARKERS  
**(51)** Int. Cl.  
**G01N 33/574** ( 2006.01 )  
**A61F 6/14** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**(87)** WO2023/062181  
**(31)** 21202753.6 **(32)** 14.10.21 **(33)** EP  
**(43)** 20.04.2023  
**(72)** DE LAAT, Wilhelmus Nicolaas Gerardus Maria  
**(74)** Spruson & Ferguson

**(71)** LIMAGRAIN EUROPE  
**(11)** AU-A-2022369384  
**(21)** 2022369384 **(22)** 19.10.2022  
**(54)** TARGETED GENE INTEGRATION IN PLANTS  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**C07K 14/415** ( 2006.01 )  
**(87)** WO2023/067020  
**(31)** 21306460.3 **(32)** 19.10.21 **(33)** EP  
**(43)** 27.04.2023  
**(72)** PAUL, Wyatt; PEREZ, Pascual; ROUSTER, Jacques  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** LIQUID LUMENS, LLC  
**(11)** AU-A-2022354957  
**(21)** 2022354957 **(22)** 03.10.2022  
**(54)** INTEGRATED UNDERWATER LED LIGHT ASSEMBLY  
**(51)** Int. Cl.  
**H01L 25/075** ( 2006.01 )  
**B63B 45/04** ( 2006.01 )  
**B63B 45/06** ( 2006.01 )  
**H01L 33/00** ( 2010.01 )  
**(87)** WO2023/056091  
**(31)** 63/251,134 **(32)** 01.10.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** CHRISTENSON, Robert D.; JOHNSON, Martin; JENSEN, Jonathan; NOSINGER, Eric  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** LITTER LOCK PTY LTD  
**(11)** AU-A-2022389472  
**(21)** 2022389472 **(22)** 11.11.2022  
**(54)** LID LOCK FOR WASTE RECEPTACLE  
**(51)** Int. Cl.  
**B65F 1/12** ( 2006.01 )  
**B65F 1/16** ( 2006.01 )  
**(87)** WO2023/087049  
**(31)** 2021903698 **(32)** 17.11.21 **(33)** AU  
**(43)** 25.05.2023  
**(72)** COX, Colin  
**(74)** BOSH IP Pty Ltd

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**(71)** LIVEARENA TECHNOLOGIES AB  
**(11)** AU-A-2022363229  
**(21)** 2022363229 **(22)** 14.10.2022  
**(54)** SYSTEM AND METHOD FOR PRODUCING A SHARED VIDEO STREAM  
**(51)** Int. Cl.  
**H04N 7/15** ( 2006.01 )  
**H04L 12/18** ( 2006.01 )  
**H04L 65/403** ( 2022.01 )  
**H04N 21/2187** ( 2011.01 )  
**H04N 21/45** ( 2011.01 )  
**(87)** WO2023/063870  
**(31)** 2151267-8 **(32)** 15.10.21 **(33)** SE  
**(43)** 20.04.2023  
**(72)** DANIELSON, Magnus; VAN DEN HAAK, Paul; BJÖRKMAN, Andreas  
**(74)** James & Wells Intellectual Property

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**(71)** LIVEARENA TECHNOLOGIES AB  
**(11)** AU-A-2022368286

PCT applications which have entered the National Phase - Name Index cont'd

- (21) 2022368286 (22) 14.10.2022  
 (54) SYSTEM AND METHOD FOR PRODUCING VIDEO STREAM  
 (51) Int. Cl.  
*H04N 7/15* ( 2006.01 )  
*H04L 12/18* ( 2006.01 )  
*H04L 65/403* ( 2022.01 )  
*H04N 21/2187* ( 2011.01 )  
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*C05G 3/50* ( 2020.01 )  
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*H04L 9/40* ( 2022.01 )  
*H04L 67/50* ( 2022.01 )  
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 (54) METHODS FOR CULTURING CELLS EXPRESSING ROR1-BINDING PROTEIN  
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*A61K 35/17* ( 2015.01 )  
*A61P 35/00* ( 2006.01 )  
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*A23K 20/163* ( 2016.01 )  
*A23K 50/40* ( 2016.01 )  
*A23L 33/105* ( 2016.01 )  
*A23L 33/145* ( 2016.01 )  
*A23L 33/21* ( 2016.01 )  
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*C05F 11/08* ( 2006.01 )  
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**(51)** Int. Cl.  
**F24T 10/20** ( 2018.01 )  
**C09K 8/592** ( 2006.01 )  
**E21B 43/17** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(54)** METHOD OF MANUFACTURING A  
 GRIPPING SURFACE FOR AN END  
 EFFECTOR AND SURGICAL INSTRU-  
 MENT COMPRISING A GRIPPING  
 END EFFECTOR  
**(51)** Int. Cl.  
**B23H 7/02** ( 2006.01 )  
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**(54)** METHOD INVOLVING A NEEDLE-  
 BASED DEVICE WITH A SAFETY
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 THEREIN  
**(51)** Int. Cl.  
**A61M 5/32** ( 2006.01 )  
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 DENSITY LIPOPROTEIN NANO-  
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**(51)** Int. Cl.  
**A61K 9/14** ( 2006.01 )  
**A61K 31/661** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07K 14/775** ( 2006.01 )  
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 AND METHODS OF USES THEREOF  
**(51)** Int. Cl.  
**C07D 498/20** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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 MINISTRATION AND METHODS OF  
 USE  
**(51)** Int. Cl.  
**A61J 1/06** ( 2006.01 )  
**B65D 1/09** ( 2006.01 )  
**A61J 1/14** ( 2023.01 )  
**A61J 7/00** ( 2006.01 )  
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 GES.M.B.H.  
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**(21)** 2022370300 **(22)** 21.10.2022  
**(54)** SUCTION SYSTEM FOR EFFI-  
 CIENTLY SUCKING UP THE DUST OF  
 A ROTATING ELECTRIC MACHINE IN  
 A POLLUTED ENVIRONMENT  
**(51)** Int. Cl.  
**H02K 9/28** ( 2006.01 )  
**H01R 39/48** ( 2006.01 )  
**H02K 13/10** ( 2006.01 )  
**H01R 39/38** ( 2006.01 )  
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**(11)** AU-A-2022372529  
**(21)** 2022372529 **(22)** 19.10.2022  
**(54)** NOVEL STRAIN HAVING ANTAGON-  
 ISM AGAINST PROTEUS MIRABIL-  
 IS AND EXCELLENT EFFECT ON  
 NEURODEGENERATIVE DISEASE,  
 AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 35/744** ( 2015.01 )  
**A23K 10/16** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
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**C12N 9/22** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
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**(31)** 63/282,999 **(32)** 24.11.21 **(33)** US  
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**(43)** 01.06.2023  
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 topher; DEVOTO, Audra; BUTTER-  
 FIELD, Cristina; ALEXANDER, Lisa;  
 GOLTSMAN, Daniela S.A.; LAMOTHE,  
 Rebecca  
**(74)** FB Rice Pty Ltd

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 (54) GRATE PLATE FOR A PULP LIFTER OF A GRINDING MILL  
 (51) Int. Cl.  
**B02C 17/18** ( 2006.01 )  
**B02C 17/22** ( 2006.01 )  
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 (72) VYORAL, Jakub  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) MGI TECH CO., LTD.  
 (11) AU-A-2021468756  
 (21) 2021468756 (22) 15.10.2021  
 (54) USE OF SAPONIN COMPOUND IN NUCLEIC ACID SEQUENCING  
 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C07J 17/00** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) MICROPORT ORTHOPEDICS HOLDINGS INC.  
 (11) AU-A-2022394450  
 (21) 2022394450 (22) 08.11.2022  
 (54) TIBIAL COMPONENT OF ENDO-PROSTHETIC KNEE IMPLANT, KITS AND INSTRUMENTS THEREFORE, AND METHODS OF USE  
 (51) Int. Cl.  
**A61F 2/30** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61F 2/38** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
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 (54) NETWORK COMMUNICATION USING PROOF OF PRESENCE  
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**H04L 9/32** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) MIRATI THERAPEUTICS, INC.  
 (11) AU-A-2022359896  
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 (54) METHODS FOR SEPARATION OF ENANTIOMERS  
 (51) Int. Cl.  
**C07D 403/04** ( 2006.01 )  
**B01D 9/00** ( 2006.01 )  
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 (54) PD-1 ANTIBODIES AND USES THEREOF  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
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 (72) PALUCH, Christopher; MURRAY, Lynne  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) TREATMENT WITH ILEAL BILE ACID TRANSPORTER (IBAT) INHIBITORS FOR INCREASED EVENT-FREE SURVIVAL (EFS)  
 (51) Int. Cl.  
**A61P 1/16** ( 2006.01 )  
**G01N 33/92** ( 2006.01 )  
**G01N 33/487** ( 2006.01 )  
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 (51) Int. Cl.  
**C08L 35/02** ( 2006.01 )

**C08L 33/10** ( 2006.01 )  
**C08F 2/32** ( 2006.01 )  
**C08F 218/12** ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) IMPELLER, CENTRIFUGAL BLOWER, AND INDOOR UNIT  
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**F04D 29/28** ( 2006.01 )  
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 (72) OISHI Keisuke  
 (74) Davies Collison Cave Pty Ltd

(71) MITSUBISHI HEAVY INDUSTRIES, LTD.  
 (11) AU-A-2022379089  
 (21) 2022379089 (22) 14.09.2022  
 (54) PRODUCTION METHOD FOR FINE METAL PARTICLES  
 (51) Int. Cl.  
**B22F 9/04** ( 2006.01 )  
**B01J 23/745** ( 2006.01 )  
**B01J 35/30** ( 2024.01 )  
**B22F 1/00** ( 2022.01 )  
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 (11) AU-A-2022379243  
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 (54) NOVEL SPIRO COMPOUND  
 (51) Int. Cl.  
**C07D 205/12** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/4025** ( 2006.01 )  
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**A61K 31/429** ( 2006.01 )  
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**A61K 31/4725** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
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**A61P 25/04** ( 2006.01 )  
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**A61P 43/00** ( 2006.01 )  
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**(72)** HAYASHI Norimitsu; IKUBO Masaya;  
NAKAO Akira; OGATA Shingo;  
NAGAOKA Minami; FUKUNAGA Kenji;  
KANNO Rentarou; YAMADA Takahiro  
**(74)** Spruson & Ferguson
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- (71)** MOMENTIS SURGICAL LTD.  
**(11)** AU-A-2022365471  
**(21)** 2022365471 **(22)** 11.10.2022  
**(54)** RAIL EXTENSION FOR ROBOT-  
IC-SURGERY DEVICES  
**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 1/00** ( 2006.01 )  
**A61B 90/50** ( 2016.01 )  
**F16M 11/12** ( 2006.01 )  
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NACHSHONY, Gal; RON, Adam  
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- (71)** MONSANTO TECHNOLOGY LLC  
**(11)** AU-A-2022382960  
**(21)** 2022382960 **(22)** 31.10.2022  
**(54)** TRANSGENIC CORN EVENT  
ZM\_BCS216090 AND METHODS FOR  
DETECTION AND USES THEREOF  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**C12Q 1/6888** ( 2018.01 )  
**C12N 15/10** ( 2006.01 )  
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Carrin; GILLESPIE, Kelly; PACIOREK,  
Tomasz; RALSTON, Lyle; RENAUD, Al-  
exandar; YANG, Heping  
**(74)** Griffith Hack
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- (71)** MONSANTO TECHNOLOGY LLC  
**(11)** AU-A-2022386267  
**(21)** 2022386267 **(22)** 07.11.2022  
**(54)** COMPOSITIONS AND METHODS  
FOR ALTERING PLANT DETERMIN-  
ACY  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01H 1/06** ( 2006.01 )  
**A01H 5/08** ( 2018.01 )  
**C07K 14/415** ( 2006.01 )  
**(87)** WO2023/086765  
**(31)** 63/278,903 **(32)** 12.11.21 **(33)** US  
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Jeongwoon; MERRILL, Keith; RYMAR-  
QUIS, Linda; SLEWINSKI, Thomas, L.;  
WOOTEN, JR., David, R.  
**(74)** Griffith Hack
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- (71)** MOOG INC.  
**(11)** AU-A-2022354184  
**(21)** 2022354184 **(22)** 28.09.2022  
**(54)** MOBILE MACHINE WITH BATTERY  
POWERED ACTUATOR SYSTEM  
**(51)** Int. Cl.  
**E02F 9/22** ( 2006.01 )  
**(87)** WO2023/055812  
**(31)** 63/249,669 **(32)** 29.09.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** GEIGER, David  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** MORINAGA MILK INDUSTRY CO.,  
LTD.  
**(11)** AU-A-2022371908  
**(21)** 2022371908 **(22)** 21.10.2022  
**(54)** PROPHYLACTIC AGENT FOR BRAIN  
ATROPHY, METHOD FOR PRE-  
VENTING BRAIN ATROPHY, CUL-  
TURE, USE OF CULTURE, FOOD OR  
BEVERAGE, FOOD FOR PREVENT-  
ING BRAIN ATROPHY, SUPPLEMENT  
FOR PREVENTING BRAIN ATROPHY,  
AND MEDICINE FOR PREVENTING  
BRAIN ATROPHY  
**(51)** Int. Cl.  
**A61K 35/745** ( 2015.01 )  
**A23L 33/135** ( 2016.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
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**(43)** 27.04.2023  
**(72)** ASAOKA Daisuke; OKUSA Toshifumi;  
SATO Nobuhiro; ONO Kazuya; SHIM-  
IZU Kanetada; KATSUMATA Noriko  
**(74)** Griffith Hack
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- (71)** MOTOROLA SOLUTIONS, INC.  
**(11)** AU-A-2022359248  
**(21)** 2022359248 **(22)** 12.09.2022  
**(54)** SECURITY ECOSYSTEM  
**(51)** Int. Cl.  
**G06F 21/55** ( 2013.01 )
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**G06F 21/57** ( 2013.01 )  
**H04L 9/40** ( 2022.01 )  
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**(43)** 13.04.2023  
**(72)** LIM, Bing Qin; HO, Shyan Jenq;  
CHONG, Chung Yong; GOH, Zhe Qian  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** MOTT CORPORATION  
**(11)** AU-A-2022345173  
**(21)** 2022345173 **(22)** 19.09.2022  
**(54)** POLYMER COATING FOR MEDICAL  
DEVICES AND METHOD OF MANU-  
FACTURE  
**(51)** Int. Cl.  
**A01N 37/04** ( 2006.01 )  
**B01F 23/231** ( 2022.01 )  
**B01F 25/70** ( 2022.01 )  
**B01J 19/26** ( 2006.01 )  
**C23C 16/04** ( 2006.01 )  
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**(72)** HILL, Alex  
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- (71)** MSA TECHNOLOGY, LLC  
**(11)** AU-A-2022359253  
**(21)** 2022359253 **(22)** 23.09.2022  
**(54)** ASSIGNMENT AND DE-ASSIGNMENT  
IN PORTABLE DEVICES VIA A CHAR-  
GER  
**(51)** Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**(87)** WO2023/059449  
**(31)** 17/496,420 **(32)** 07.10.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** BORNEO, Chris; DENNINGER, Steve;  
LEJEUNE, Victor  
**(74)** Minter Ellison
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- (71)** NAGRAVISION SÀRL  
**(11)** AU-A-2022351311  
**(21)** 2022351311 **(22)** 16.09.2022  
**(54)** METHOD AND SYSTEM FOR AU-  
THENTICATING OF RF DEVICE  
**(51)** Int. Cl.  
**H04W 12/06** ( 2021.01 )  
**G06N 20/00** ( 2019.01 )  
**H04W 12/79** ( 2021.01 )  
**(87)** WO2023/046581  
**(31)** 21197936.4 **(32)** 21.09.21 **(33)** EP  
**(43)** 30.03.2023  
**(72)** AYHAN, Sinan; CONUS, Joël  
**(74)** Spruson & Ferguson
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FOOD RESEARCH ORGANIZATION;  
SCHOOL CORPORATION, AZABU  
VETERINARY MEDICINE EDUCA-  
TIONAL INSTITUTION  
**(11)** AU-A-2022352157  
**(21)** 2022352157 **(22)** 20.09.2022  
**(54)** VACCINE INCLUDING NONENCAP-  
SULATED STRAIN AS ANTIGEN

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**A61K 39/39** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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**A61P 43/00** ( 2006.01 )  
**C07K 14/315** ( 2006.01 )  
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(31) 2021-152908 (32) 21.09.21 (33) JP  
(43) 30.03.2023  
(72) WATANABE Atsushi; HATA Eiji; GOTO Shinya; KAWAI Kazuhiro  
(74) FB Rice Pty Ltd
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(11) AU-A-2022397890  
(21) 2022397890 (22) 29.11.2022  
(54) SPECIFIC BINDING MOLECULES FOR FIBROBLAST ACTIVATION PROTEIN (FAP)  
(51) Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C12N 9/64** ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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(54) ABRASIVE BACKING AND METHOD OF MAKING SAME  
(51) Int. Cl.  
**B24D 11/02** ( 2006.01 )  
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(74) GLMR
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(54) ISOINDOLINES AS PMS2 INHIBITORS  
(51) Int. Cl.  
**C07D 209/44** ( 2006.01 )  
**A61K 31/4035** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 217/06** ( 2006.01 )  
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(31) 2117224.2 (32) 29.11.21 (33) GB  
(43) 01.06.2023  
(72) JULIAN, Blagg; DRYSDALE, Martin; CLARK, David; WINSHIP, Paul  
(74) FB Rice Pty Ltd
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- (71) NEPEAN CONVEYORS PTY LTD  
(11) AU-A-2022369608  
(21) 2022369608 (22) 21.10.2022  
(54) CONVEYOR SYSTEM & METHOD  
(51) Int. Cl.  
**B65G 15/24** ( 2006.01 )  
**B65G 23/22** ( 2006.01 )  
**B65G 23/36** ( 2006.01 )  
**B65G 37/00** ( 2006.01 )  
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(43) 27.04.2023  
(72) BARNETT, Rance  
(74) Halfords IP
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(11) AU-A-2022366138  
(21) 2022366138 (22) 11.10.2022  
(54) MOUNTABLE DEVICE FOR AUTONOMOUS BLOOD VESSEL INTERFACING AND INSTRUMENT ACTUATION  
(51) Int. Cl.  
**A61B 17/34** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**A61M 5/42** ( 2006.01 )  
(87) WO2023/062007  
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22157814.9 21.02.22 EP  
(43) 20.04.2023  
(72) FROST, Habib; NØRLØV, Mads Bundgaard; HULDT, Olof  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) NEUVIVO, INC.; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(11) AU-A-2022360976  
(21) 2022360976 (22) 04.10.2022  
(54) TREATMENT METHODS FOR ALS PATIENTS  
(51) Int. Cl.  
**A61K 33/20** ( 2006.01 )  
**A61K 33/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )
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(11) AU-A-2022398373  
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(54) INDOLINES AS PROTAC COMPOUNDS  
(51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4035** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
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(72) BLAGG, Julian; DRYSDALE, Martin; CLARK, David  
(74) FB Rice Pty Ltd
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- (71) NEW YORK SOCIETY FOR THE RELIEF OF THE RUPTURED AND CRIPPLED, MAINTAINING THE HOSPITAL FOR SPECIAL SURGERY  
(11) AU-A-2022360859  
(21) 2022360859 (22) 07.10.2022  
(54) THREE-DIMENSIONAL FUNCTIONAL IMPINGEMENT ANALYSIS IN TOTAL HIP ARTHROPLASTY  
(51) Int. Cl.  
**G06T 19/20** ( 2011.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 34/10** ( 2016.01 )  
**A61F 2/34** ( 2006.01 )  
**A61F 2/36** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**G06T 13/40** ( 2011.01 )  
**G06T 17/00** ( 2006.01 )  
(87) WO2023/059905  
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(74) James & Wells Intellectual Property
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(11) AU-A-2022370663  
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(54) ARTICULATION JOINTS FOR TERRAIN FOLLOWING SOLAR TRACKER  
(51) Int. Cl.  
**F24S 30/455** ( 2018.01 )  
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(54) AEROSOL PROVISION DEVICE  
(51) Int. Cl.  
**A24F 40/465** ( 2020.01 )  
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(54) IMPACT-DURING-SUCTION SURGICAL URETEROSCOPE  
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(21) 2021464880 (22) 15.09.2021  
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(54) METAL PIPE FOR OIL WELLS  
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*F16L 15/04* (2006.01)  
*C23C 26/00* (2006.01)  
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*F16L 15/04* (2006.01)  
*C23C 26/00* (2006.01)  
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*F27D 17/00* (2006.01)  
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*A61B 5/11* (2006.01)  
*A61B 5/0245* (2006.01)  
*A61B 5/08* (2006.01)  
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(74) FB Rice Pty Ltd
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(54) CEREAL FLOUR COMPOSITION AND DOUGH FOOD PRODUCT  
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*A23L 7/104* (2016.01)  
*A21D 2/26* (2006.01)  
*A21D 8/04* (2006.01)  
*A23L 7/109* (2016.01)  
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(74) Griffith Hack
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(54) PROCESS FOR TREATING PLANT AND/OR RAW FOOD MATERIAL  
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*A23L 11/30* (2016.01)  
*A23J 1/14* (2006.01)  
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(74) SR Intellectual Property
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(54) APPARATUS, SYSTEM AND METHOD FOR PROVIDING A LIGHT-MATTER INTERFACE FOR ENHANCING TRANSITIONS THAT GENERATE SINGLE PHOTONS

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**G01N 21/64** ( 2006.01 )  
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(54) BIFUNCTIONAL COMPOUNDS FOR DEGRADING ITK VIA UBIQUITIN PROTEOSOME PATHWAY
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**C07D 403/14** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**C10M 101/00** ( 2006.01 )
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**G01N 33/50** ( 2006.01 )  
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**A61P 37/02** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
**C07K 14/72** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
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(54) A GRID FRAMEWORK STRUCTURE
- (51) Int. Cl.  
**B65G 1/04** ( 2006.01 )
- (87) WO2023/046688  
(31) 2113611.4 (32) 23.09.21 (33) GB  
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(72) MCLARNEY, Nicholas; MEUTH, Benjamin; DURHAM, Richard  
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(54) A GRID FRAMEWORK STRUCTURE
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**B65G 1/04** ( 2006.01 )  
**E01B 11/02** ( 2006.01 )
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(72) BANNISTER, Joshua James  
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**B25J 15/02** ( 2006.01 )
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**D01D 5/08** ( 2006.01 )  
**D01D 5/247** ( 2006.01 )  
**D01F 1/08** ( 2006.01 )  
**D01F 6/92** ( 2006.01 )
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**A61K 38/17** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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**A01H 6/46** ( 2018.01 )  
**C12N 15/82** ( 2006.01 )
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(21) 2022358461 (22) 29.09.2022  
(54) PROCESS FOR PREPARING A WET GROUND MINERAL MATERIAL  
(51) Int. Cl.  
C01F 5/24 (2006.01)  
C01F 11/18 (2006.01)  
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(51) Int. Cl.  
B65H 49/32 (2006.01)  
B60P 3/035 (2006.01)  
B65H 54/44 (2006.01)  
B65H 54/553 (2006.01)  
B65H 55/00 (2006.01)  
B65H 75/14 (2006.01)  
B65H 75/20 (2006.01)  
B65H 75/24 (2006.01)  
B65H 75/42 (2006.01)  
B65H 75/44 (2006.01)  
B66D 1/28 (2006.01)  
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(54) A CUTTING HEAD ASSEMBLY  
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E02F 5/02 (2006.01)  
E21C 27/30 (2006.01)  
E21C 27/36 (2006.01)  
E21C 27/38 (2006.01)  
E21C 27/42 (2006.01)  
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E21C 27/46 (2006.01)  
E21C 29/22 (2006.01)  
E21C 31/10 (2006.01)  
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E21D 1/03 (2006.01)  
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(54) SECURITY DEVICE  
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E05B 19/00 (2006.01)  
A44B 15/00 (2006.01)
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A45F 5/00 (2006.01)  
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F16B 1/04 (2006.01)  
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(74) Davies Collison Cave Pty Ltd
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(54) SYSTEM AND METHOD/PROCESS FOR COMMERCIAL BLASTING  
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G08C 17/04 (2006.01)  
F42D 1/05 (2006.01)  
G08C 19/12 (2006.01)  
H03J 3/20 (2006.01)  
H04B 3/50 (2006.01)  
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(54) VACUUM PAD AND RELATED SYSTEM  
(51) Int. Cl.  
A61B 5/15 (2006.01)  
A61B 5/155 (2006.01)  
A61G 13/10 (2006.01)  
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(54) LIPID NANOPARTICLE COMPOSITIONS FOR DELIVERING CIRCULAR POLYNUCLEOTIDES  
(51) Int. Cl.  
C07D 233/58 (2006.01)  
A61K 31/4164 (2006.01)  
A61P 43/00 (2006.01)  
C07D 231/12 (2006.01)  
C07D 233/61 (2006.01)  
C07D 235/08 (2006.01)  
C07D 249/08 (2006.01)  
C12N 15/88 (2006.01)  
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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C07C 229/12 (2006.01)  
A61K 9/127 (2006.01)  
A61K 9/51 (2006.01)  
A61K 47/18 (2017.01)  
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- (71) OSLO UNIVERSITETSSYKEHUS HF; VOUGIOUKALAKIS, G.C.; ROTAS, G.; NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS  
(11) AU-A-2022346232  
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(54) METHOD  
(51) Int. Cl.  
A61K 41/00 (2020.01)  
A61K 47/54 (2017.01)  
A61K 47/55 (2017.01)  
A61P 35/00 (2006.01)  
(87) WO2023/041938  
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(72) VOUGIOUKALAKIS, Georgios C.; ROTAS, Georgios; THEODOSSIOU, Theodossis; BERG, Kristian; ALONSO, Miguel Angel Miranda; GRIGALAVICIUS, Mantas; EZZATPANAH, Somayeh; RAABE, Tine Therese Henriksen  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OSTOVALVE LLC  
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(21) 2022370699 (22) 20.10.2022  
(54) DEVICES, SYSTEMS AND METHODS FOR REGULATING FLOW FROM A STOMA ON A PATIENT  
(51) Int. Cl.  
A61F 5/44 (2006.01)  
A61F 5/441 (2006.01)  
A61F 5/445 (2006.01)  
(87) WO2023/069659  
(31) 63/270,808 (32) 22.10.21 (33) US  
17/846,863 22.06.22 US  
(43) 27.04.2023  
(72) BELL JR., Robert C.; SHULOCK, Damien; MARGOLIS, Gary; ASHLEY, John  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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<p>(71) OURA HEALTH OY (11) AU-A-2022366705 (21) 2022366705 (22) 29.09.2022 (54) TECHNIQUES FOR MEASURING HEART RATE DURING EXERCISE (51) Int. Cl. A61B 5/024 ( 2006.01 ) A61B 5/00 ( 2006.01 ) A61B 5/11 ( 2006.01 ) (87) WO2023/064114 (31) 63/254,849 (32) 12.10.21 (33) US 17/954,564 28.09.22 US (43) 20.04.2023 (72) ZHANG, Xi; LI, Ronny; RANTANEN, Antti Aleks; VALLIUS, Tero Juhani; JÄRVELÄ, Jussi Petteri; PHO, Gerald (74) Spruson &amp; Ferguson</p>	<p>(31) 2114706.1 (32) 14.10.21 (33) GB 2208155.8 01.06.22 GB (43) 20.04.2023 (72) ALLSWORTH, Max; LABUSHAGNE, Christiaan (74) Davies Collison Cave Pty Ltd</p>	<p>A61K 31/554 ( 2006.01 ) A61K 31/7056 ( 2006.01 ) (87) WO2023/059443 (31) 63/253,208 (32) 07.10.21 (33) US (43) 13.04.2023 (72) STAFFORD, Douglas, C.; ARNOLD, Alexander, E. (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) OURA HEALTH OY (11) AU-A-2022366800 (21) 2022366800 (22) 12.10.2022 (54) CONFIGURABLE PHOTO-TOPLETHYSMOGRAM SYSTEM (51) Int. Cl. A61B 5/00 ( 2006.01 ) A61B 5/024 ( 2006.01 ) A61B 5/1455 ( 2006.01 ) (87) WO2023/064409 (31) 63/255,140 (32) 13.10.21 (33) US 17/963,561 11.10.22 US (43) 20.04.2023 (72) VALLIUS, Tero Juhani; HEIKKINEN, Olli Petteri; JÄRVELÄ, Jussi Petteri; HUTTUNEN, Heikki Juhani; HAVERINEN, Teemu Juhani; RANTANEN, Antti Aleks; PELKONEN, Sami Seppo; SYRJÄLÄ, Juha-Pekka; KOSKELA, Markku Olavi (74) Spruson &amp; Ferguson</p>	<p>(87) WO2023/067327 (31) 2114944.8 (32) 19.10.21 (33) GB (43) 27.04.2023 (72) NEWMAN, Paul; AZIZ, Aamir (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) PAULSEN, G.; BASKEN, D.; MULLER, M. (11) AU-A-2022387591 (21) 2022387591 (22) 11.10.2022 (54) LIGHTING DEVICE (51) Int. Cl. H05B 45/20 ( 2020.01 ) G02F 1/01 ( 2006.01 ) G02F 1/23 ( 2006.01 ) A61M 21/02 ( 2006.01 ) (87) WO2023/086714 (31) 63/278,680 (32) 12.11.21 (33) US (43) 19.05.2023 (72) PAULSEN, Gary; BASKEN, David; MULLER, Matthew (74) PHILLIPS ORMONDE FITZPATRICK</p>
<p>(71) OWENS-BROCKWAY GLASS CONTAINER INC. (11) AU-A-2022359736 (21) 2022359736 (22) 05.10.2022 (54) INCLUDING SMALL AESTHETIC BUBBLES IN GLASS ARTICLES (51) Int. Cl. C03B 5/173 ( 2006.01 ) (87) WO2023/059718 (31) 63/254,023 (32) 08.10.21 (33) US (43) 13.04.2023 (72) SWILER, Dan; GODSIL, Amanda; COOPER, Scott; CASTILLO, Jose, Garay; GONZALES, Enrique (74) Spruson &amp; Ferguson</p>	<p>(71) PAIRWISE PLANTS SERVICES, INC. (11) AU-A-2022371436 (21) 2022371436 (22) 20.10.2022 (54) METHODS FOR REDUCING GERMINATION TIME FOR RUBUS SEEDS (51) Int. Cl. A01G 22/05 ( 2018.01 ) A01C 1/00 ( 2006.01 ) (87) WO2023/070013 (31) 63/270,086 (32) 21.10.21 (33) US (43) 27.04.2023 (72) REINER, Joel; CRAWFORD, Brian Charles Wilding; FISTER, Andrew (74) RnB IP</p>	<p>(71) PAUL WURTH S.A. (11) AU-A-2022372268 (21) 2022372268 (22) 14.10.2022 (54) METHOD FOR REDUCING CARBON FOOTPRINT IN OPERATING A METALLURGICAL PLANT FOR PRODUCING PIG IRON (51) Int. Cl. C21B 11/02 ( 2006.01 ) C21B 11/10 ( 2006.01 ) C21B 13/00 ( 2006.01 ) C21B 13/12 ( 2006.01 ) C21B 13/14 ( 2006.01 ) (87) WO2023/066794 (31) LU500764 (32) 19.10.21 (33) LU LU502634 08.08.22 LU (43) 27.04.2023 (72) KRULL, Jan; HANSMANN, Thomas; PAPALIA, Katia (74) WRAYS PTY LTD</p>
<p>(71) OWLSTONE MEDICAL LIMITED (11) AU-A-2022365434 (21) 2022365434 (22) 14.10.2022 (54) METHOD FOR THE SYNTHESIS OF EVOC PROBES (51) Int. Cl. C07H 15/04 ( 2006.01 ) A61K 31/7012 ( 2006.01 ) A61P 35/00 ( 2006.01 ) (87) WO2023/062386</p>	<p>(71) PANGANG GROUP PANZHUIHUA IRON &amp; STEEL RESEARCH INSTITUTE CO., LTD. (11) AU-A-2023287051 (21) 2023287051 (22) 11.05.2023 (54) MEDIUM- AND LOW-CARBON PEARLITE STEEL RAIL WELDING METHOD (51) Int. Cl. C21D 1/28 ( 2006.01 ) C21D 1/42 ( 2006.01 ) C21D 9/50 ( 2006.01 ) (87) WO2023/246359 (31) 202210695199.9 (32) 20.06.22 (33) CN (43) 28.12.2023 (72) BAI, Wei; LI, Dadong; LU, Xin; DENG, Jian (74) FB Rice Pty Ltd</p>	<p>(71) PAUL WURTH S.A. (11) AU-A-2022378412 (21) 2022378412 (22) 20.10.2022 (54) METHOD FOR OPERATING A COKE OVEN PLANT (51) Int. Cl. C10K 3/06 ( 2006.01 ) B01D 53/14 ( 2006.01 ) C10B 21/08 ( 2006.01 ) C10B 21/10 ( 2006.01 ) C10K 1/00 ( 2006.01 ) C10K 3/04 ( 2006.01 ) (87) WO2023/072742 (31) LU500783 (32) 25.10.21 (33) LU (43) 04.05.2023 (72) FERRARIS, Alessio; CALCAGNO, Riccardo (74) WRAYS PTY LTD</p>
<p>(71) PANTHERICS INCORPORATED (11) AU-A-2022359461 (21) 2022359461 (22) 22.09.2022 (54) METHODS AND COMPOUNDS FOR TREATING INFLAMMATION (51) Int. Cl. A61K 31/33 ( 2006.01 ) A61K 31/435 ( 2006.01 ) A61K 31/4745 ( 2006.01 )</p>		



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*B64D 15/20* ( 2006.01 )  
*F03D 80/40* ( 2016.01 )  
*G01N 27/22* ( 2006.01 )  
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 (72) NESDOLY, Mark Timothy Alexander; GILL, Akaljot Singh; RICHARD, Joshua Cale; ROSENRETER, William Cole; DOCKERY, Michael; SHERSTAN, Mark  
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 (54) SYNTHETIC GENOME EDITING SYSTEM  
 (51) Int. Cl.  
*C12N 15/62* ( 2006.01 )  
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 (54) ASSIGNMENT AND DYNAMIC APPLICATION OF A PERMISSION RULE TO A GROUP OF ENTITIES  
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- (71) PEREZ, M.; PEREZ, T.I.; MIZRAHI, H.  
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*A23B 7/148* ( 2006.01 )  
*B65B 25/04* ( 2006.01 )  
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*B65D 85/34* ( 2006.01 )  
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 (72) GROENEWEG, Bastiaan Rinke Antony  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) PERION NETWORK LTD.  
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 (54) SYSTEMS AND METHODS OF REQUEST GROUPING  
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 (72) SHPAK, Adi; BERNSTEIN, Anat; ORR, Madi; MEIROVICH, Assaf  
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- (71) PETROLEO BRASILEIRO S.A. - PETROBRAS  
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 (54) SUBSEA ELECTRICAL ENERGY GENERATION SYSTEM  
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 (72) BIDART, ANTONIO MARCOS FONSECA; SPELTA, MARCELO JORGE MENDES; DA SILVA, LUIZ CARLOS TOSTA; OLIVEIRA, FELIPE SILVA; SILVA, JULIANA PEREIRA; VIEIRA, ALEXANDRE JAIME MELLO; PASSARELLI, FABIO MENEZES; DA SILVA, FABRICIO SOARES  
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- (71) PFIZER INC.  
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 (54) RNA MOLECULES  
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*A61P 31/20* ( 2006.01 )  
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 (72) BENNETT, Eric Matthew; DIAZ, Fernando Martin; DORMITZER, Philip Ralph; JANSEN, Kathrin Ute; MUNOZ-MORENO, Raquel; SOLORZANO QUIJANO, Alicia  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) PFIZER INC.  
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 (51) Int. Cl.  
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*A61K 31/343* ( 2006.01 )  
*A61K 31/352* ( 2006.01 )  
*A61K 31/381* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61P 9/04* ( 2006.01 )  
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 (72) BUZON, Leanne Marie; CAMERON, Kimberly O'Keefe; DEBOYACE, Kevin Francis; FILIPSKI, Kevin James; GRIFFITH, David Andrew; KORMOS, Bethany Lyn; LIU, Shenping; MARTINEZ ALSINA, Luis Angel; REESE, Matthew Richard; ROTH FLACH, Rachel Jane; ZHANG, Yuan  
 (74) Davies Collison Cave Pty Ltd
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- (71) PH7 TECHNOLOGIES INC.  
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 (54) SOLVENTS AND METHODS FOR LEACHING PRECIOUS METALS  
 (51) Int. Cl.  
*C22B 3/16* ( 2006.01 )  
*B01D 11/02* ( 2006.01 )  
*C22B 3/22* ( 2006.01 )  
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 (72) DOOSTMOHAMMADI, Mohammad; MOGHADAM ZADEH, Sanaz; ROBERTS, Ryan John  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) PHARMA-DATA S.A.  
 (11) AU-A-2022374714  
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 (54) APIXABAN SUSPENSION AND PREPARATION METHOD  
 (51) Int. Cl.

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(72) PSARRAKIS, Ioannis; LIOUMIS, Konstantinos  
(74) LAMINAR IP PTY LTD
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(54) ANTITUMORAL COMPOUNDS  
(51) Int. Cl.  
**C07D 309/32** ( 2006.01 )  
**A61K 31/351** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
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(72) MATEO URBANO, María Cristina; RODRÍGUEZ VICENTE, Alberto; HERNANDO GARCÍA, Juan; FRANCESCH SOLLOSO, Andrés Manuel; AVILÉS MARÍN, Pablo Manuel; GUILLÉN NAVARRO, María José; CUEVAS MARCHANTE, María del Carmen  
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**A61P 29/00** ( 2006.01 )  
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(72) ZANA, Aureliano; GALBIATI, Andrea; MILLUL, Jacopo; GILARDONI, Ettore; STUCCHI, Riccardo; CAZZAMALLI, Samuele  
(74) FB Rice Pty Ltd
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- (71) PIERIDES, A.M.  
(11) AU-A-2022346606  
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(54) METAL ROD BLADE AND TRIMMER HEAD UTILIZING SAME  
(51) Int. Cl.  
**A01D 34/63** ( 2006.01 )  
**A01D 34/00** ( 2006.01 )  
**A01D 34/412** ( 2006.01 )
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(72) PIERIDES, Alexis, M.  
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) PIONEER HI-BRED INTERNATIONAL, INC.  
(11) AU-A-2022389197  
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(54) MAIZE EVENT DAS-01131-3 AND METHODS FOR DETECTION THERE-OF  
(51) Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01H 5/10** ( 2018.01 )  
**A01H 6/46** ( 2018.01 )  
**C12Q 1/6895** ( 2018.01 )
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(72) ASBERRY, Andrew; CONG, Bin; CRANE, Virginia; KING, James Edward; MUTTI, Jasdeep S.; O'NEILL, Dennis; PASCUAL, M. Alejandra; VAN DYK, Maria Magdalena; WANG, Pohao; WOOSLEY, Aaron T.; WORDEN, Sarah E.  
(74) Oxygene IP
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(11) AU-A-2022391699  
(21) 2022391699 (22) 14.11.2022  
(54) MAIZE EVENT DP-910521-2 AND METHODS FOR DETECTION THERE-OF  
(51) Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01N 63/50** ( 2020.01 )  
**C07K 14/325** ( 2006.01 )
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(11) AU-A-2022367795  
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(54) FREEZE STRUCTURED AND ENZYMICALLY CROSSLINKED FOOD MATERIALS  
(51) Int. Cl.  
**A23L 13/40** ( 2023.01 )  
**A23J 3/14** ( 2006.01 )  
**A23J 3/20** ( 2006.01 )  
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(54) MULTI-PURPOSE SMOKING ACCESSORY DEVICE WITH AUDIO SOUND SYSTEM  
(51) Int. Cl.  
**A47J 42/42** ( 2006.01 )  
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(54) A PORTABLE POWER GENERATION SYSTEM  
(51) Int. Cl.  
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**E04H 5/02** ( 2006.01 )  
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(51) Int. Cl.

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**(72)** FÄRBER, Peter; GRÜBEL, Marcel;  
MENCEL, Daniel; RAKEL, Frank;  
SALZER, Holger  
**(74)** Minter Ellison
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- (71)** PRAYON  
**(11)** AU-A-2022423715  
**(21)** 2022423715 **(22)** 25.11.2022  
**(54)** PROCESS FOR PRODUCING  
A PHOSPHATE CONTAINING  
PRODUCT FROM A PHOSPHATE  
SOURCE  
**(51)** Int. Cl.  
**C01B 25/32** ( 2006.01 )  
**(87)** WO2023/117298  
**(31)** 21217678.8 **(32)** 24.12.21 **(33)** EP  
**(43)** 29.06.2023  
**(72)** HENRY, Thomas; THEYS, Tibaut  
**(74)** Spruson & Ferguson
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- (71)** PRC-DESOTO INTERNATIONAL, INC.  
**(11)** AU-A-2022376938  
**(21)** 2022376938 **(22)** 27.10.2022  
**(54)** COMPOSITIONS, SYSTEMS AND  
METHODS FOR TREATING A SUB-  
STRATE  
**(51)** Int. Cl.  
**C23C 22/56** ( 2006.01 )  
**C09D 5/08** ( 2006.01 )  
**C23F 11/08** ( 2006.01 )  
**C23F 11/18** ( 2006.01 )  
**(87)** WO2023/076990  
**(31)** 63/272,554 **(32)** 27.10.21 **(33)** US  
63/269,866 24.03.22 US  
**(43)** 04.05.2023  
**(72)** CHARI, Krishnan; MORRIS, Eric Leon  
**(74)** Minter Ellison
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- (71)** PRECISION PLANTING LLC  
**(11)** AU-A-2022391170  
**(21)** 2022391170 **(22)** 19.10.2022  
**(54)** SEED DELIVERY DEVICE COMPRIS-  
ING A HELICAL CHANNEL AND RE-  
LATED ROW UNIT AND METHOD  
**(51)** Int. Cl.  
**A01C 7/20** ( 2006.01 )  
**(87)** WO2023/089408  
**(31)** 63/264,109 **(32)** 16.11.21 **(33)** US  
**(43)** 25.05.2023  
**(72)** HODEL, Jeremy  
**(74)** Griffith Hack
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- (71)** PREFORMED LINE PRODUCTS CO.  
**(11)** AU-A-2022363643  
**(21)** 2022363643 **(22)** 12.10.2022  
**(54)** ROBOT INSTALLED UTILITY LINE  
HARDWARE  
**(51)** Int. Cl.  
**H02G 1/02** ( 2006.01 )  
**H02G 7/12** ( 2006.01 )  
**H02G 7/14** ( 2006.01 )  
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- (31)** 63/254,761 **(32)** 12.10.21 **(33)** US  
63/254,763 12.10.21 US  
63/254,767 12.10.21 US  
63/254,774 12.10.21 US  
**(43)** 20.04.2023  
**(72)** BELL, Douglas; CIESIELCZYK, Ben-  
jamin, Franklin; MARKIEWICZ, John  
**(74)** KINGS PATENT & TRADE MARKS AT-  
TORNEYS PTY LTD
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- (71)** PREFORMED LINE PRODUCTS CO.  
**(11)** AU-A-2022363646  
**(21)** 2022363646 **(22)** 12.10.2022  
**(54)** SPACER END CLAMP  
**(51)** Int. Cl.  
**H02G 7/12** ( 2006.01 )  
**H02G 1/02** ( 2006.01 )  
**(87)** WO2023/064417  
**(31)** 63/254,761 **(32)** 12.10.21 **(33)** US  
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63/254,774 12.10.21 US  
**(43)** 20.04.2023  
**(72)** CIESIELCZYK, Benjamin Franklin;  
BELL, Douglas; MARKIEWICZ, John  
**(74)** KINGS PATENT & TRADE MARKS AT-  
TORNEYS PTY LTD
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- (71)** PREFORMED LINE PRODUCTS CO.  
**(11)** AU-A-2022366802  
**(21)** 2022366802 **(22)** 12.10.2022  
**(54)** DRONE INSTALLED HARDWARE  
**(51)** Int. Cl.  
**H02G 1/02** ( 2006.01 )  
**(87)** WO2023/064414  
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**(43)** 20.04.2023  
**(72)** CIESIELCZYK, Benjamin Franklin;  
BELL, Douglas; MARKIEWICZ, John  
**(74)** KINGS PATENT & TRADE MARKS AT-  
TORNEYS PTY LTD
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- (71)** PREFORMED LINE PRODUCTS CO.  
**(11)** AU-A-2022367238  
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**(54)** SPACER DRONE INSTALL SYSTEM  
**(51)** Int. Cl.  
**H02G 1/02** ( 2006.01 )  
**H02G 7/12** ( 2006.01 )  
**(87)** WO2023/064416  
**(31)** 63/254,761 **(32)** 12.10.21 **(33)** US  
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63/254,774 12.10.21 US  
**(43)** 20.04.2023  
**(72)** CIESIELCZYK, Benjamin Franklin;  
BELL, Douglas; MARKIEWICZ, John  
**(74)** KINGS PATENT & TRADE MARKS AT-  
TORNEYS PTY LTD
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- (71)** PRESIDENT AND FELLOWS OF HAR-  
VARD COLLEGE  
**(11)** AU-A-2022359915  
**(21)** 2022359915 **(22)** 07.10.2022
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- (54)** IONIC LIQUIDS FOR DRUG DELIV-  
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**(51)** Int. Cl.  
**A61K 9/08** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**(87)** WO2023/059846  
**(31)** 63/253,623 **(32)** 08.10.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** MITRAGOTRI, Samir; KIM, Jayoung;  
CURRERI, Alexander M.  
**(74)** FB Rice Pty Ltd
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- (71)** PROCORE TECHNOLOGIES, INC.  
**(11)** AU-A-2022346783  
**(21)** 2022346783 **(22)** 14.09.2022  
**(54)** COMPUTER SYSTEMS AND METH-  
ODS FOR GENERATING PREDICTIVE  
CHANGE EVENTS  
**(51)** Int. Cl.  
**G06Q 50/08** ( 2012.01 )  
**G06Q 10/04** ( 2023.01 )  
**G06Q 10/06** ( 2023.01 )  
**G06Q 10/10** ( 2023.01 )  
**(87)** WO2023/043846  
**(31)** 17/474,787 **(32)** 14.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** KNUFF, Catherine; PITA, James Adam;  
MORRIS, Joshua Joel; HUBER, Ryan  
Christopher  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** PROJECT PHARMACEUTICS GMBH  
**(11)** AU-A-2022374002  
**(21)** 2022374002 **(22)** 21.10.2022  
**(54)** LIQUID PHARMACEUTICAL FORMU-  
LATION  
**(51)** Int. Cl.  
**A61K 47/10** ( 2017.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/20** ( 2006.01 )  
**A61K 47/40** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**(87)** WO2023/067188  
**(31)** LU500779 **(32)** 22.10.21 **(33)** LU  
**(43)** 27.04.2023  
**(72)** SCHÜTZ, Andreas; WOLF, Helmut  
**(74)** Oxygene IP
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- (71)** PROJECT VESTA, PBC  
**(11)** AU-A-2022373670  
**(21)** 2022373670 **(22)** 18.10.2022  
**(54)** CARBON-REMOVING SAND AND  
METHOD AND PROCESS FOR  
DESIGN, MANUFACTURE, AND UTIL-  
IZATION OF THE SAME  
**(51)** Int. Cl.  
**B01D 53/14** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01D 57/00** ( 2006.01 )  
**(87)** WO2023/069964  
**(31)** 63/256,986 **(32)** 18.10.21 **(33)** US  
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63/377,171	26.09.22	US	(21) 2022363516 (22) 11.10.2022	<b>A61K 8/06</b> ( 2006.01 )
(43) 27.04.2023			(54) DEVICES WITH IMPROVED ANTI-BACTERIAL SURFACE	<b>A41D 13/00</b> ( 2006.01 )
(72) ROMANIELLO, Stephen J.; LEY, Brian D.; ANDREWS, Margaret G.; WALTHORTH, Nathan G.; ISHOEY, Thomas; GREEN, Tom C.; MONTSERRAT, Francesc; LEACH, Chloe S.; KRIEBEL, David L.; COLE, Devon; CALKINS, Geoffrey W.; EDWARDS, Douglas O.			(51) Int. Cl.	<b>A61K 8/31</b> ( 2006.01 )
(74) RnB IP Pty Ltd			<b>A61L 31/08</b> ( 2006.01 )	<b>A61K 8/34</b> ( 2006.01 )
			<b>A61L 27/04</b> ( 2006.01 )	<b>A61K 8/46</b> ( 2006.01 )
			<b>A61L 27/06</b> ( 2006.01 )	<b>A21K 8/60</b> ( 2006.01 )
			<b>C23C 16/06</b> ( 2006.01 )	<b>A61K 8/86</b> ( 2006.01 )
			<b>C23C 16/40</b> ( 2006.01 )	<b>A61Q 19/00</b> ( 2006.01 )
			<b>C23C 16/44</b> ( 2006.01 )	(87) WO2023/041662
			<b>C23C 16/455</b> ( 2006.01 )	(31) 2113271.7 (32) 16.09.21 (33) GB
			(87) WO2023/064267	(43) 23.03.2023
(71) PROSETTA BIOSCIENCES, INC.			(31) 63/254,752 (32) 12.10.21 (33) US	(72) SHARMA, Manuj; MURPHY, Niall; DUNNE, James
(11) AU-A-2022368836			(43) 20.04.2023	(74) Blue Penguin IP Ltd
(21) 2022368836 (22) 24.10.2022			(72) AMINI, Shahram	
(54) NOVEL HOST-TARGETED PAN-RESPIRATORY ANTIVIRAL SMALL MOLECULE THERAPEUTICS			(74) Davies Collison Cave Pty Ltd	
(51) Int. Cl.				
<b>C07D 207/36</b> ( 2006.01 )				
<b>A61P 31/12</b> ( 2006.01 )				
(87) WO2023/069770				
(31) 63/270,918 (32) 22.10.21 (33) US				
(43) 27.04.2023				
(72) LINGAPPA, Vishwanath R.; PAULVANAN, Kumarapandian				
(74) Davies Collison Cave Pty Ltd				
(71) PROVENTION BIO, INC.			(71) PULSEMEDICA CORP.	(71) QINGDAO HAIER LAUNDRY ELECTRIC APPLIANCES CO., LTD; HAIER SMART HOME CO., LTD.
(11) AU-A-2022341315			(11) AU-A-2022401152	(11) AU-A-2022343213
(21) 2022341315 (22) 13.09.2022			(21) 2022401152 (22) 25.11.2022	(21) 2022343213 (22) 20.06.2022
(54) METHODS AND COMPOSITIONS COMPRISING ANTI-CD3 ANTIBODIES AND DYRK1A INHIBITORS FOR TREATING DIABETES			(54) SYSTEM AND METHOD FOR DETECTION OF FLOATERS	(54) CLOTHING TREATMENT DEVICE AND CLOTHING TREATMENT METHOD THEREOF
(51) Int. Cl.			(51) Int. Cl.	(51) Int. Cl.
<b>A61K 39/395</b> ( 2006.01 )			<b>A61F 9/008</b> ( 2006.01 )	<b>D06F 39/02</b> ( 2006.01 )
<b>A61K 31/4045</b> ( 2006.01 )			<b>A61B 3/10</b> ( 2006.01 )	(87) WO2023/035723
<b>A61P 3/10</b> ( 2006.01 )			<b>G06T 7/00</b> ( 2017.01 )	(31) 202111063558.0 (32) 10.09.21 (33) CN
<b>A61P 5/50</b> ( 2006.01 )			<b>G06T 7/246</b> ( 2017.01 )	202111523021.8 13.12.21 CN
(87) WO2023/039295			<b>G16H 30/40</b> ( 2018.01 )	202210089811.8 25.01.22 CN
(31) 63/243,666 (32) 13.09.21 (33) US			<b>G06N 3/0464</b> ( 2023.01 )	(43) 16.03.2023
63/318,363 09.03.22 US			(87) WO2023/097391	(72) YU, Hanwu; XU, Yonghong; ZHANG, Lijun; ZHAO, Xueli
(43) 16.03.2023			(31) 3140678 (32) 30.11.21 (33) CA	(74) Madderns Pty Ltd
(72) LEON, Francisco			3157811 06.05.22 CA	
(74) Griffith Hack			(43) 08.06.2023	
			(72) KATCHINSKIY, Nir; CEROICI, Christopher; AMINI, Iman; RIVET-SABOURIN, Geoffroy; BROWNELL, Michael; SHTEYN, Eugene	
			(74) A.P.T. Patent and Trade Mark Attorneys	
(71) PROVENTION BIO, INC.; SIMS, E.K.; SOSENKO, J.M.; CUTHBERTSON, D.			(71) Q'APPEL MEDICAL, INC.	(71) QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.
(11) AU-A-2022347193			(11) AU-A-2022352665	(11) AU-A-2022367116
(21) 2022347193 (22) 20.09.2022			(21) 2022352665 (22) 21.09.2022	(21) 2022367116 (22) 10.10.2022
(54) METHODS FOR PROGNOSING TYPE 1 DIABETES TREATMENTS			(54) METHODS AND APPARATUS FOR CATHETERS, ADAPTABLE TIPS FOR CATHETERS, INCLUDING FOR ASPIRATION CATHETERS, AND ASPIRATION CATHETERS WITH ADJUSTABLE TIPS	(54) REFRIGERATOR
(51) Int. Cl.			(51) Int. Cl.	(51) Int. Cl.
<b>A61K 39/395</b> ( 2006.01 )			<b>A61B 17/221</b> ( 2006.01 )	<b>F25D 17/08</b> ( 2006.01 )
<b>A61P 3/10</b> ( 2006.01 )			<b>A61B 17/22</b> ( 2006.01 )	<b>F25D 11/00</b> ( 2006.01 )
<b>C07K 14/47</b> ( 2006.01 )			<b>A61B 90/00</b> ( 2016.01 )	<b>F25D 23/12</b> ( 2006.01 )
<b>C07K 14/705</b> ( 2006.01 )			<b>A61M 1/00</b> ( 2006.01 )	(87) WO2023/061308
(87) WO2023/044495			<b>A61M 25/00</b> ( 2006.01 )	(31) 202111197136.2 (32) 14.10.21 (33) CN
(31) 63/246,184 (32) 20.09.21 (33) US			<b>A61M 25/01</b> ( 2006.01 )	(43) 20.04.2023
(43) 23.03.2023			(87) WO2023/049203	(72) ZHAO, Bintang; LIU, Long; WANG, Hao; XUE, Wenchao; ZHANG, Yanqing
(72) SIMS, Emily, K.; SOSENKO, Jay, M.; CUTHBERTSON, David; LEON, Francisco			(31) 63/247,102 (32) 22.09.21 (33) US	(74) Davies Collison Cave Pty Ltd
(74) Griffith Hack			(43) 30.03.2023	
			(72) HORI, Trevor; KROLIK, Jeffery; SAN DIEGO, Edsel; NGUYEN, John	
			(74) FB Rice Pty Ltd	
			(71) QILTA LIMITED	(71) QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
			(11) AU-A-2022346177	(11) AU-A-2022370260
			(21) 2022346177 (22) 15.09.2022	(21) 2022370260 (22) 28.09.2022
				(54) CONTROL METHOD FOR HEATING DEVICE AND HEATING DEVICE
				(51) Int. Cl.
				<b>H05B 6/64</b> ( 2006.01 )
				<b>F24C 7/02</b> ( 2006.01 )
				<b>H05B 6/68</b> ( 2006.01 )
				(87) WO2023/066001
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 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022370793  
 (21) 2022370793 (22) 28.07.2022  
 (54) REFRIGERATOR HAVING INCLINED DRAIN PIPE DISPOSED AT LOWER PORTION OF REFRIGERATOR  
 (51) Int. Cl.  
*F25D 21/14* ( 2006.01 )  
*F25D 11/00* ( 2006.01 )  
*F25D 23/00* ( 2006.01 )  
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 (72) DONG, Lingyun; FEI, Bin; WANG, Changzhi; CHEN, Jianquan  
 (74) Davies Collison Cave Pty Ltd
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- (71) QINGDAO HANBO PLASTIC TECHNOLOGY CO., LTD.  
 (11) AU-A-2022365034  
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 (54) LIQUID SUPPLY APPARATUS FOR SPRAYING DEVICE  
 (51) Int. Cl.  
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*B05B 9/03* ( 2006.01 )  
 (87) WO2023/061205  
 (31) 202122492058.0 (32) 15.10.21 (33) CN  
 (43) 20.04.2023  
 (72) XIAO, Yun  
 (74) Madderns Pty Ltd
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- (71) QINGDAO UNIVERSITY OF TECHNOLOGY  
 (11) AU-A-2022461424  
 (21) 2022461424 (22) 28.06.2022  
 (54) MULTI-MODE SWITCHING CO2 HEAT PIPE COOLING SYSTEM AND CONTROL METHOD THEREFOR  
 (51) Int. Cl.  
*F25B 9/00* ( 2006.01 )  
*F25B 41/20* ( 2021.01 )  
*F25B 41/31* ( 2021.01 )  
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*F25B 49/02* ( 2006.01 )  
 (87) WO2023/231110  
 (31) 202210621463.4 (32) 02.06.22 (33) CN  
 (43) 07.12.2023  
 (72) TONG, Zhen; FANG, Chunxue; WU, Hao; HU, Songtao  
 (74) Collison & Co
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- (71) QIOPTIQ LIMITED  
 (11) AU-A-2022379509  
 (21) 2022379509 (22) 26.10.2022  
 (54) PASSIVE RANGE FINDER AND ASSOCIATED METHOD  
 (51) Int. Cl.  
*G06T 7/60* ( 2017.01 )  
*G06T 7/12* ( 2017.01 )  
*G06T 7/73* ( 2017.01 )
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 (31) 63/272,254 (32) 27.10.21 (33) US  
 (43) 04.05.2023  
 (72) ALEXANDER, Donovan, Lee; HARDING, James, Andrew; PARGETER, Ryan, Eillis  
 (74) Davies Collison Cave Pty Ltd
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- (71) QUAD S CONTROLS PTY LTD  
 (11) AU-A-2023336073  
 (21) 2023336073 (22) 04.10.2023  
 (54) VALVE FLUSHING ARRANGEMENT  
 (51) Int. Cl.  
*F16K 27/04* ( 2006.01 )  
*F16K 3/02* ( 2006.01 )  
*F16K 3/30* ( 2006.01 )  
 (31) 2022902908 (32) 06.10.22 (33) AU  
 (43) 02.05.2024  
 (72) GREYLING, Johannes Gerhardus  
 (74) Patenteur Pty Ltd
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- (71) QUANTUM BLOCKCHAIN TECHNOLOGIES PLC  
 (11) AU-A-2022354165  
 (21) 2022354165 (22) 28.09.2022  
 (54) MESSAGE SCHEDULING FOR CRYPTOGRAPHIC HASHING  
 (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )  
 (87) WO2023/052762  
 (31) 2113962.1 (32) 29.09.21 (33) GB  
 (43) 06.04.2023  
 (72) NAIK, Rahul  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022382946  
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 (54) CASTER WHEEL ANTI-OSCILLATION MECHANISM  
 (51) Int. Cl.  
*B60B 33/06* ( 2006.01 )  
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 (87) WO2023/081351  
 (31) 63/276,013 (32) 05.11.21 (33) US  
 (43) 11.05.2023  
 (72) LOBELLO, Agostino  
 (74) Spruson & Ferguson
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- (71) RALLYBIO IPA, LLC  
 (11) AU-A-2022381210  
 (21) 2022381210 (22) 07.11.2022  
 (54) ASSAYS FOR QUANTIFICATION OF ANTI-HPA-1a ANTIBODIES  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )  
 (87) WO2023/081872  
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 (43) 11.05.2023  
 (72) SHERIDAN, Douglas, L.; REEVES, Jonathan; RAINVILLE SIROIS, Julien  
 (74) Pearce IP Pty Ltd
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- (71) RAYTHEON COMPANY  
 (11) AU-A-2022370570  
 (21) 2022370570 (22) 19.10.2022  
 (54) PREDICTIVE FIELD-OF-VIEW (FOV) AND CUEING TO ENFORCE DATA CAPTURE AND TRANSMISSION COMPLIANCE IN REAL AND NEAR REAL TIME VIDEO  
 (51) Int. Cl.  
*H04N 21/234* ( 2011.01 )  
*G06T 19/00* ( 2011.01 )  
*H04N 5/76* ( 2006.01 )  
*H04N 13/204* ( 2018.01 )  
*H04N 17/06* ( 2006.01 )  
*H04N 21/4223* ( 2011.01 )  
*H04N 23/61* ( 2023.01 )  
 (87) WO2023/069527  
 (31) 17/507,111 (32) 21.10.21 (33) US  
 (43) 27.04.2023  
 (72) TACY, Matthew J.; COGLIANDRO, John A.; MAYORGA, Allan  
 (74) RnB IP Pty Ltd
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- (71) RAYTHEON COMPANY  
 (11) AU-A-2022373360  
 (21) 2022373360 (22) 19.10.2022  
 (54) TIME-DELAY TO ENFORCE DATA CAPTURE AND TRANSMISSION COMPLIANCE IN REAL AND NEAR REAL TIME VIDEO  
 (51) Int. Cl.  
*H04N 21/4223* ( 2011.01 )  
*G06T 19/00* ( 2011.01 )  
*H04N 5/76* ( 2006.01 )  
*H04N 13/204* ( 2018.01 )  
*H04N 21/234* ( 2011.01 )  
*H04N 23/61* ( 2023.01 )  
 (87) WO2023/069511  
 (31) 17/507,073 (32) 21.10.21 (33) US  
 (43) 27.04.2023  
 (72) MAYORGA, Allan; COGLIANDRO, John A.; TACY, Matthew J.  
 (74) RnB IP Pty Ltd
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- (71) RAZER (ASIA-PACIFIC) PTE. LTD.  
 (11) AU-A-2021477263  
 (21) 2021477263 (22) 10.12.2021  
 (54) INPUT KEY ASSEMBLY AND INPUT DEVICE  
 (51) Int. Cl.  
*H01H 13/705* ( 2006.01 )  
*G06F 3/02* ( 2006.01 )  
 (87) WO2023/106999  
 (43) 15.06.2023  
 (72) LOW, Kok Kiong  
 (74) FB Rice Pty Ltd
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- (71) REBUS CORPORATION PTY LTD  
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 (51) Int. Cl.  
*B60K 6/20* ( 2007.10 )  
*B60L 8/00* ( 2006.01 )  
*B60W 30/18* ( 2012.01 )  
*H02J 7/14* ( 2006.01 )

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**H02K 21/26** ( 2006.01 )  
**H02P 3/14** ( 2006.01 )  
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**(72)** BLOOMFIELD, Peter  
**(74)** Cooper IP Pty Ltd
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**(54)** USE OF AN AEROSOL COMPOSITION AND METHOD TO CONTROL HIDDEN FLYING INSECTS  
**(51)** Int. Cl.  
**A01N 25/06** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**B05B 5/047** ( 2006.01 )  
**C09K 3/30** ( 2006.01 )  
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**(54)** DDR1 AND DDR2 INHIBITORS FOR THE TREATMENT OF CANCER AND FIBROTIC DISEASES  
**(51)** Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
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**(43)** 11.05.2023  
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**(54)** FACTOR XI A2 DOMAIN-BINDING ANTIBODIES AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 16/36** ( 2006.01 )  
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**(54)** CONTROLLED TRANSCRIPTION OF POLYNUCLEOTIDES  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
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**(54)** EUKARYOTIC CELLS COMPRISING ADENOVIRUS-ASSOCIATED VIRUS POLYNUCLEOTIDES  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
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**(54)** METHODS TO PREVENT DISULFIDE SCRAMBLING FOR MS-BASED PROTEOMICS  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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**(54)** COMPOUNDS AND METHODS FOR MODULATING NUCLEIC ACID SPLICING  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/502** ( 2006.01 )  
**A61K 31/5025** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**A61P 39/00** ( 2006.01 )  
**C07D 403/04** ( 2006.01 )  
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**A61B 1/00** ( 2006.01 )  
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*C07D 209/16* ( 2006.01 )  
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*A61P 25/00* ( 2006.01 )  
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 (54) METHODS FOR THE TEMPORAL REGULATION OF REPROGRAMMING FACTORS IN MAMMALIAN CELLS  
 (51) Int. Cl.  
*A61K 38/17* ( 2006.01 )  
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 (72) WEST, Michael, D.; STERNBERG, Hal  
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 (54) METHODS FOR MODULATING THE REGENERATIVE PHENOTYPE IN MAMMALIAN CELLS  
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*A61P 17/02* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
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*C12N 5/0775* ( 2010.01 )  
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*C04B 35/50* ( 2006.01 )  
*C01F 17/241* ( 2020.01 )  
*C04B 35/622* ( 2006.01 )  
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*H01M 8/126* ( 2016.01 )  
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 (51) Int. Cl.  
*C04B 35/50* ( 2006.01 )  
*C01F 17/241* ( 2020.01 )  
*C04B 35/622* ( 2006.01 )  
*C04B 35/64* ( 2006.01 )  
*H01M 8/126* ( 2016.01 )  
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*C12P 13/00* ( 2006.01 )  
*C07C 219/24* ( 2006.01 )  
*C07C 223/04* ( 2006.01 )  
*C07C 227/34* ( 2006.01 )  
*C07C 229/28* ( 2006.01 )  
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*C07D 471/04* ( 2006.01 )  
*A61K 31/4375* ( 2006.01 )  
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**B82Y 10/00** ( 2011.01 )  
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**C07K 14/415** ( 2006.01 )  
**A01H 1/04** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
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**C07F 15/00** ( 2006.01 )  
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(54) METHOD AND TOOL FOR PRODUCING A BASE PIECE OF A MULTIPART CARTRIDGE CASE, BASE PIECE AND CARTRIDGE CASE  
(51) Int. Cl.  
**F42B 5/285** ( 2006.01 )  
**B21K 21/04** ( 2006.01 )  
**B21K 21/14** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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**A01N 63/00** ( 2020.01 )  
**A61K 9/48** ( 2006.01 )  
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**A61K 39/00** ( 2006.01 )  
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(51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61P 29/00** ( 2006.01 )  
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**A61P 29/00** ( 2006.01 )
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**A61P 37/06** ( 2006.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 45/06** ( 2006.01 )  
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(54) FLUID DISPENSING DEVICE  
(51) Int. Cl.  
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**B05B 11/00** ( 2023.01 )  
**B65D 83/00** ( 2006.01 )  
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 A61B 17/06 ( 2006.01 )  
 A61F 2/06 ( 2013.01 )  
 A61F 2/82 ( 2013.01 )  
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 A01N 35/02 ( 2006.01 )  
 A01N 27/00 ( 2006.01 )  
 A01P 7/04 ( 2006.01 )  
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 A61K 31/194 ( 2006.01 )  
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 (54) PHARMACEUTICAL COMPOSITION CONTAINING TRIAZINE DERIVATIVE  
 (51) Int. Cl.  
 A61K 31/5355 ( 2006.01 )  
 A61K 31/53 ( 2006.01 )  
 A61K 31/5377 ( 2006.01 )  
 A61P 31/12 ( 2006.01 )  
 A61P 31/14 ( 2006.01 )

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**(72)** TACHIBANA Yuki; UEHARA Shota;  
 UNOH Yuto; NAKAHARA Kenji;  
 TAODA Yoshiyuki; KASAMATSU  
 Koji; YAMATSU Yukiko; ANDO Shi-  
 geru; FUKAO Keita; NOBORI Haruaki;  
 KURODA Takayuki; TOBA Shinsuke;  
 UEMURA Kentaro; MARUYAMA Yuki;  
 SASAKI Michihito; SAWA Hirofumi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SILICON QUANTUM COMPUTING  
 PTY LIMITED  
**(11)** AU-A-2022372972  
**(21)** 2022372972 ( **22** ) 24.10.2022  
**(54)** METHODS AND SYSTEMS FOR ANA-  
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**(51)** Int. Cl.  
**G01R 33/00** ( 2006.01 )  
**G06F 30/20** ( 2020.01 )  
**G06F 30/3308** ( 2020.01 )  
**G06F 30/39** ( 2020.01 )  
**G06N 10/20** ( 2022.01 )  
**G06N 10/40** ( 2022.01 )  
**(87)** WO2023/064999  
**(31)** 2021903398 ( **32** ) 24.10.21 ( **33** ) AU  
 2022901715 22.06.22 AU  
**(43)** 27.04.2023  
**(72)** GORMAN, Samuel Keith; SIMMONS,  
 Michelle Yvonne; KEIZER, Joris;  
 GENG, Helen; CHUNG, Yousun; DON-  
 NELLY, Matthew; KICZYNSKI, Mitchell;  
 MYERS, Casey; SUTHERLAND, Sam  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** SIMULCONSULT, INC.  
**(11)** AU-A-2022353817  
**(21)** 2022353817 ( **22** ) 29.09.2022  
**(54)** METHOD AND SYSTEM FOR COL-  
 LECTING, RECORDING, AND TRANS-  
 MITTING CLINICAL INFORMA-  
 TION WITH USEFULNESS-DRIVEN  
 PROMPTS  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**G06N 3/00** ( 2023.01 )  
**G06N 7/00** ( 2023.01 )  
**G16H 10/40** ( 2018.01 )  
**G16H 15/00** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
**G06F 16/23** ( 2019.01 )  
**G16H 10/60** ( 2018.01 )  
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**G16H 50/70** ( 2018.01 )  
**(87)** WO2023/055965  
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**(43)** 06.04.2023  
**(72)** SEGAL, Michael M.  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd
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- (71)** SINO IRON HOLDINGS PTY LTD  
**(11)** AU-A-2021466603  
**(21)** 2021466603 ( **22** ) 30.09.2021  
**(54)** A HYDROCYCLONE AND MINING  
 SYSTEM  
**(51)** Int. Cl.  
**B04C 5/081** ( 2006.01 )  
**B02C 17/18** ( 2006.01 )  
**B02C 23/12** ( 2006.01 )  
**B02C 23/14** ( 2006.01 )  
**B03B 9/00** ( 2006.01 )  
**B04C 5/04** ( 2006.01 )  
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**(43)** 06.04.2023  
**(72)** ZHAO, Changying; FENG, Dingwu; HE,  
 Mingzhao; ZHANG, Yang; YU, Yang  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** SINOMAB BIOSCIENCE LIMITED  
**(11)** AU-A-2022369457  
**(21)** 2022369457 ( **22** ) 18.10.2022  
**(54)** AQUEOUS FORMULATIONS OF AN  
 ANTI-CD22 ANTIBODY AND USES  
 THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
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**(31)** 63/256,883 ( **32** ) 18.10.21 ( **33** ) US  
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**(74)** Maxwells Patent & Trade Mark Attor-  
 neys Pty Ltd
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- (71)** SINO-SWED TONGKANG BIO-TECH  
 (SHENZHEN) LIMITED  
**(11)** AU-A-2022371744  
**(21)** 2022371744 ( **22** ) 22.10.2022  
**(54)** CORE AMINO ACID SEQUENCE  
 GROUP FOR TARGETED RECOGNI-  
 TION OF ANTI-SARS-COV-2 NEUT-  
 RALIZING ANTIBODIES N-IGY-PABS,  
 AND USE THEREOF  
**(51)** Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**G01N 33/552** ( 2006.01 )  
**G01N 33/569** ( 2006.01 )  
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**G01N 33/68** ( 2006.01 )  
**(87)** WO2023/066396  
**(31)** 202111232491.9 ( **32** ) 22.10.21 ( **33** ) CN  
**(43)** 27.04.2023  
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 Sven Isac; ZHOU, Ji  
**(74)** Alder IP Pty Ltd
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**(11)** AU-A-2022361038  
**(21)** 2022361038 ( **22** ) 06.10.2022  
**(54)** METHODS AND DEVICE FOR  
 FILLING ONE OR MORE SYRINGES  
**(51)** Int. Cl.  
**A61M 5/36** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
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**(43)** 13.04.2023  
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 STRA, Joost; SCHOOTSTRA, Jasper  
**(74)** IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD
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- (71)** SKYLINE THERAPEUTICS LIMITED  
**(11)** AU-A-2022347792  
**(21)** 2022347792 ( **22** ) 16.09.2022  
**(54)** AAV FOR THE GENE THERAPY OF  
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**(51)** Int. Cl.  
**A61P 27/02** ( 2006.01 )  
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 CN2021/119223  
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 Qiongqiong; LI, Heping  
**(74)** FB Rice Pty Ltd
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- (71)** SOBALVARRO RUATA, A.  
**(11)** AU-A-2021466326  
**(21)** 2021466326 ( **22** ) 30.09.2021  
**(54)** SCREENING METHOD FOR IDENTI-  
 FICATION, AND TREATMENT PATH-  
 WAYS FOR SLEEP DISORDERS  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61B 5/02** ( 2006.01 )  
**A61B 5/113** ( 2006.01 )  
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**(43)** 06.04.2023  
**(72)** SOBALVARRO RUATA, Alvaro  
**(74)** Wynnes Patent and Trade Mark Attor-  
 neys Pty Ltd
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 S.A.  
**(11)** AU-A-2022399881  
**(21)** 2022399881 ( **22** ) 28.11.2022  
**(54)** BEVERAGE OR FOODSTUFF CON-  
 TAINER AND PREPARATION SYSTEM  
**(51)** Int. Cl.  
**B65D 85/804** ( 2006.01 )  
**(87)** WO2023/099374  
**(31)** 21211705.5 ( **32** ) 01.12.21 ( **33** ) EP  
**(43)** 08.06.2023  
**(72)** GERBER, Gilles; MURPHY AUDREY,  
 Virginie; PAVAN, Chiara  
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- (71)** SOCIÉTÉ DES PRODUITS NESTLÉ  
 S.A.  
**(11)** AU-A-2022404566  
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**(54)** CAPSULE FOR THE PREPARATION  
 OF A BEVERAGE AND A METHOD  
 FOR MANUFACTURING SAID CAP-  
 SULE  
**(51)** Int. Cl.  
**B65D 85/804** ( 2006.01 )  
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S.A.

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(21) 2022404691 (22) 05.12.2022  
(54) A CAPSULE FOR THE PREPARATION  
OF A BEVERAGE

(51) Int. Cl.  
**B65D 85/804** ( 2006.01 )

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(31) 21213101.5 (32) 08.12.21 (33) EP

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(72) GALAFFU, Nicola; ABEGGLEN, Daniel  
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(71) SOCIÉTÉ DES PRODUITS NESTLÉ  
S.A.

(11) AU-A-2022404760  
(21) 2022404760 (22) 07.12.2022  
(54) BEVERAGE MENU CREATION

(51) Int. Cl.  
**G07F 13/06** ( 2006.01 )  
**G06Q 20/32** ( 2012.01 )  
**G07F 9/00** ( 2006.01 )  
**G07F 9/02** ( 2006.01 )

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(71) SOCIÉTÉ DES PRODUITS NESTLÉ  
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(54) BEVERAGE PREPARATION WITH A  
STABLE OUTLET VALVE

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**A47J 31/22** ( 2006.01 )

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(72) FANKHAUSER, Marcel; GAVILLET,  
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STALDER, Stefan  
(74) Spruson & Ferguson

(71) SOCIETE DES PRODUITS NESTLE  
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(11) AU-A-2022398208  
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(54) METHODS AND COMPOSITIONS  
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**A23K 20/147** ( 2016.01 )  
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(71) SOLAR MATERIALS GMBH

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(54) METHOD AND DEVICE FOR PRO-  
CESSING A SOLAR MODULE

(51) Int. Cl.  
**H01L 31/048** ( 2014.01 )  
**H01L 31/18** ( 2006.01 )

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(71) SOLUGEN, INC.

(11) AU-A-2022379933  
(21) 2022379933 (22) 02.11.2022  
(54) METHODS AND COMPOSITIONS  
FOR USE IN FIRE CONTROL

(51) Int. Cl.  
**A62D 1/00** ( 2006.01 )

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(43) 11.05.2023  
(72) AN, Jun Su; NGANTUNG, Frederyk;  
TAN, LoongYi; DESAI, Amit  
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(71) SOLVAY SPECIALTY POLYMERS  
USA, LLC

(11) AU-A-2022381451  
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(54) LUBRICATING COMPOSITIONS

(51) Int. Cl.  
**C10M 171/06** ( 2006.01 )  
**C10M 169/02** ( 2006.01 )

**C10N 20/00** ( 2006.01 )  
**C10N 20/02** ( 2006.01 )  
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**C10N 30/00** ( 2006.01 )  
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**C10N 30/08** ( 2006.01 )  
**C10N 30/10** ( 2006.01 )  
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(71) SOLVENTUM INTELLECTUAL PROP-  
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(54) CONVOLUTION ATTENTION NET-  
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(51) Int. Cl.  
**G06N 3/0464** ( 2023.01 )  
**G06N 3/0455** ( 2023.01 )  
**G06N 3/09** ( 2023.01 )

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(43) 23.03.2023

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Russell I.; SCHAAF, Thomas; GORM-  
LEY, Matthew R.

(74) Davies Collison Cave Pty Ltd

(71) SOUND BIOPHARMACEUTICALS CO.  
LTD.

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(21) 2022350815 (22) 19.09.2022  
(54) CD38 MONOCLONAL ANTIBODY AND  
APPLICATION THEREOF

(51) Int. Cl.  
**C07K 16/30** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )

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(31) 202111116495.0 (32) 23.09.21 (33) CN

(43) 30.03.2023  
(72) MA, Fanxin; LI, Qing; HUANG, Ying;  
ZHANG, Xianda; CHEN, Pengyu;  
YANG, Zhouning; LIU, Shuang; QU,  
Feng; CHEN, Chunmei

(74) Madderns Pty Ltd

(71) SOURCE GLOBAL, PBC

(11) AU-A-2022358678  
(21) 2022358678 (22) 06.10.2022  
(54) SYSTEMS AND METHODS FOR WA-  
TER PRODUCTION, TREATMENT,  
ADJUSTMENT AND STORAGE

(51) Int. Cl.  
**C02F 1/68** ( 2023.01 )  
**A47J 31/00** ( 2006.01 )  
**C02F 5/08** ( 2023.01 )  
**C02F 9/00** ( 2023.01 )  
**E03B 3/28** ( 2006.01 )  
**A23L 2/52** ( 2006.01 )

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(31) 63/253,847 (32) 08.10.21 (33) US

(43) 13.04.2023  
(72) FRIESEN, Cody; ROBINSON, Michael;  
PETERSON, Joshua; GOLDBERG,  
Jonathan; RAY, G. Michael

(74) Spruson & Ferguson

(71) SPAN TECH LLC

(11) AU-A-2022391637  
(21) 2022391637 (22) 16.11.2022  
(54) ACTUATOR FOR ADJUSTABLE CON-  
VEYOR GUIDERAIL

(51) Int. Cl.  
**B65G 21/20** ( 2006.01 )  
**F16H 19/06** ( 2006.01 )  
**F16G 9/00** ( 2006.01 )

(87) WO2023/091453  
(31) 63/279,914 (32) 16.11.21 (33) US

(43) 25.05.2023  
(72) FYE, Stephen, C.; COTTON, Aaron;  
LAYNE, James, L.

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<p>(71) SPINEX SYSTEMS, INC.                      (11) AU-A-2022361945                      (21) 2022361945 (22) 14.10.2022                      (54) APPARATUS FOR INSTALLING PILES                      (51) Int. Cl.  <i>E02D 7/06</i> ( 2006.01 )  <i>E02D 5/22</i> ( 2006.01 )  <i>E02D 7/16</i> ( 2006.01 )  <i>E02D 7/22</i> ( 2006.01 )  <i>E02D 13/00</i> ( 2006.01 )  <i>E02D 13/04</i> ( 2006.01 )                      (87) WO2023/060316                      (31) 63/256,176 (32) 15.10.21 (33) US                      (43) 20.04.2023                      (72) PLOTKIN, Kym Anthony; GAYLARD, Cameron                      (74) Spruson &amp; Ferguson</p>	<p><i>A61B 1/045</i> ( 2006.01 )  <i>A61B 1/05</i> ( 2006.01 )  <i>A61B 1/267</i> ( 2006.01 )                      (87) WO2023/060241                      (31) 63/253,884 (32) 08.10.21 (33) US                      63/256,975 18.10.21 US                      (43) 13.04.2023                      (72) SOKOLOV, Dimitri; NEKHENDZY, Vladimir                      (74) RnB IP Pty Ltd</p>	<p>63/289,202 14.12.21 US                      (43) 20.04.2023                      (72) STEPHENS, Erich Gademan                      (74) AJ PARK</p>
<p>(71) SPINEX SYSTEMS, INC.                      (11) AU-A-2022364583                      (21) 2022364583 (22) 14.10.2022                      (54) SOLAR TRACKER SUPPORT SYSTEM AND INSTALLATION APPARATUS                      (51) Int. Cl.  <i>E02D 5/56</i> ( 2006.01 )  <i>E02D 5/28</i> ( 2006.01 )  <i>E02D 7/22</i> ( 2006.01 )  <i>F24S 25/16</i> ( 2018.01 )  <i>F24S 30/40</i> ( 2018.01 )  <i>H02S 20/10</i> ( 2014.01 )  <i>H02S 20/32</i> ( 2014.01 )                      (87) WO2023/060315                      (31) 63/256,169 (32) 15.10.21 (33) US                      63/290,738 17.12.21 US                      (43) 20.04.2023                      (72) PLOTKIN, Kym Anthony; AU, Alex                      (74) Spruson &amp; Ferguson</p>	<p>(71) STÄUBLI ELECTRICAL CONNECTORS AG                      (11) AU-A-2022418966                      (21) 2022418966 (22) 14.12.2022                      (54) ACTUATION DEVICE FOR A CONNECTOR                      (51) Int. Cl.  <i>B25J 5/02</i> ( 2006.01 )  <i>B25J 9/10</i> ( 2006.01 )  <i>B25J 11/00</i> ( 2006.01 )  <i>B25J 19/00</i> ( 2006.01 )  <i>B60L 53/16</i> ( 2019.01 )  <i>B60L 53/35</i> ( 2019.01 )  <i>H01R 13/629</i> ( 2006.01 )  <i>H01R 13/631</i> ( 2006.01 )  <i>H01R 43/26</i> ( 2006.01 )                      (87) WO2023/117627                      (31) 21216947.8 (32) 22.12.21 (33) EP                      (43) 29.06.2023                      (72) CHALIGNÉ, Mathieu; DELORENZI, Louis; FICHTER, Loic; JUND, Olivier                      (74) James &amp; Wells Intellectual Property</p>	<p>(71) STRYKER CORPORATION                      (11) AU-A-2022373362                      (21) 2022373362 (22) 19.10.2022                      (54) POWERED SURGICAL DRILL HAVING A DEPTH MEASUREMENT EXTENSION                      (51) Int. Cl.  <i>A61B 17/16</i> ( 2006.01 )                      (87) WO2023/069516                      (31) 63/257,248 (32) 19.10.21 (33) US                      (43) 27.04.2023                      (72) LAMBERT, Trevor, Jonathan; KNIJN-ENBURG, Gerardus, Franciscus                      (74) Davies Collison Cave Pty Ltd</p>
<p>(71) SPINEX SYSTEMS, INC.                      (11) AU-A-2022368297                      (21) 2022368297 (22) 14.10.2022                      (54) PILING SUPPORT ARRANGEMENT                      (51) Int. Cl.  <i>H02S 20/10</i> ( 2014.01 )  <i>E02D 5/56</i> ( 2006.01 )  <i>E02D 5/80</i> ( 2006.01 )  <i>E02D 7/22</i> ( 2006.01 )  <i>E21B 10/44</i> ( 2006.01 )  <i>F24S 25/617</i> ( 2018.01 )  <i>F24S 25/65</i> ( 2018.01 )  <i>H02S 20/32</i> ( 2014.01 )                      (87) WO2023/060314                      (31) 63/256,162 (32) 15.10.21 (33) US                      (43) 20.04.2023                      (72) PLOTKIN, Kym Anthony; AU, Alex                      (74) Spruson &amp; Ferguson</p>	<p>(71) STEALTH BIOTHERAPEUTICS INC.                      (11) AU-A-2022370358                      (21) 2022370358 (22) 19.10.2022                      (54) METHODS AND COMPOSITIONS COMPRISING PEPTIDOMIMETICS FOR TREATING, PREVENTING, INHIBITING, AMELIORATING OR DELAYING THE ONSET OF OPHTHALMIC CONDITIONS                      (51) Int. Cl.  <i>A61K 38/07</i> ( 2006.01 )  <i>A61P 27/02</i> ( 2006.01 )                      (87) WO2023/069549                      (31) 63/257,738 (32) 20.10.21 (33) US                      63/331,412 15.04.22 US                      PCT/ 06.10.22 US                      US2022/045908                      (43) 27.04.2023                      (72) KEEFE, Dennis; REDMON, Martin; HOTCHKISS, Brian; ABBRUSCATO, Anthony                      (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) STRYKER CORPORATION                      (11) AU-A-2022376048                      (21) 2022376048 (22) 25.10.2022                      (54) QUANTIFYING BLOOD LOSS BY RE-CIRCULATING WASTE FLUID WITH A MEDICAL WASTE COLLECTION SYSTEM                      (51) Int. Cl.  <i>A61M 1/00</i> ( 2006.01 )  <i>A61B 5/00</i> ( 2006.01 )  <i>A61B 5/02</i> ( 2006.01 )  <i>A61B 5/1455</i> ( 2006.01 )                      (87) WO2023/076235                      (31) 63/271,763 (32) 26.10.21 (33) US                      (43) 04.05.2023                      (72) FAUL, Stephen; NUNAN, Gerard, W.; ZOLLINGER, Michael; MACLACHLAN, Brian; VANDERWOUE, Brian, James; NORLAND, Leif; CARROLL, James, T.                      (74) Davies Collison Cave Pty Ltd</p>
<p>(71) SPIRO ROBOTICS, INC.                      (11) AU-A-2022361522                      (21) 2022361522 (22) 07.10.2022                      (54) NAVIGATION AND CONTROL FOR AIRWAY MANAGEMENT PROCEDURES, ASSEMBLIES AND SYSTEMS                      (51) Int. Cl.  <i>A61M 16/04</i> ( 2006.01 )</p>	<p>(71) STEPHENS, E.G.                      (11) AU-A-2022366972                      (21) 2022366972 (22) 14.10.2022                      (54) THERMAL ENERGY STORAGE                      (51) Int. Cl.  <i>F28D 20/00</i> ( 2006.01 )  <i>F03D 9/18</i> ( 2016.01 )  <i>F24H 7/02</i> ( 2022.01 )  <i>F24S 60/30</i> ( 2018.01 )                      (87) WO2023/064881                      (31) 63/255,992 (32) 15.10.21 (33) US</p>	<p>(71) STRYKER EUROPEAN OPERATIONS LIMITED                      (11) AU-A-2022370478                      (21) 2022370478 (22) 18.10.2022                      (54) ATTACHMENT AND SYSTEM FOR TRACKING A SURGICAL INSTRUMENT                      (51) Int. Cl.  <i>A61B 90/00</i> ( 2016.01 )  <i>A61B 17/16</i> ( 2006.01 )  <i>A61B 50/00</i> ( 2016.01 )  <i>A61B 50/30</i> ( 2016.01 )                      (87) WO2023/067503                      (31) 63/257,066 (32) 18.10.21 (33) US                      63/318,436 10.03.22 US                      63/413,014 04.10.22 US                      (43) 27.04.2023                      (72) CUSHEN, Patrick Eoin; GOODENOUGH, Dave; GOSENS, Caleb; HOODA, Ritesh; LAMBARTH, Clifford Edwin; MISHRA, Hemant; SNODGRASS, John A.; WALLEN, James G.; FRANCK, Brian; MAILE, David Alexander                      (74) Davies Collison Cave Pty Ltd</p>

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 (54) PATH PLANNING METHOD AND APPARATUS FOR SWIMMING POOL CLEANING ROBOT  
 (51) Int. Cl.  
*E04H 4/16* ( 2006.01 )  
*G05D 1/43* ( 2024.01 )  
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*E02D 27/52* ( 2006.01 )  
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 (72) OLSEN, Christian Linde  
 (74) Allens Patent & Trade Mark Attorneys
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*C07K 14/315* ( 2006.01 )  
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*A61K 31/4172* ( 2006.01 )  
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*A61P 1/14* ( 2006.01 )  
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 (54) NUCLEIC ACID COMPOSITIONS AND USES THEREOF  
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*A61K 38/19* ( 2006.01 )  
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*A61K 47/42* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
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 (72) GOLDBERG, Michael Solomon  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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- (71) SUZHOU ABOGEN BIOSCIENCES CO., LTD.  
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 (54) LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS  
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*A61K 9/51* ( 2006.01 )  
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 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) SYNATA BIO, INC.  
 (11) AU-A-2022375811  
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 (54) GREEN METHODS OF MAKING PRODUCT FROM HYDROGEN ENRICHED SYNTHESIS GAS  
 (51) Int. Cl.  
*C12P 7/04* ( 2006.01 )  
*A23K 10/16* ( 2016.01 )  
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*C12P 7/06* ( 2006.01 )  
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*C12P 7/54* ( 2006.01 )  
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 (72) DU, Jianxin  
 (74) James & Wells Intellectual Property
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- (71) SYNGENTA CROP PROTECTION AG  
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 (54) COMPOSITION  
 (51) Int. Cl.  
*A01N 25/02* ( 2006.01 )  
*A01N 37/22* ( 2006.01 )  
*A01N 43/653* ( 2006.01 )  
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*A01P 13/00* ( 2006.01 )  
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 (72) VARSHNEY, Manoj  
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 (54) HERBICIDE TRANSPORT SYSTEM  
 (51) Int. Cl.  
*A01N 25/02* ( 2006.01 )  
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BLIND, Philippe  
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- (71) SYNGENTA CROP PROTECTION AG  
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(54) HERBICIDAL DERIVATIVES  
(51) Int. Cl.  
C07D 401/04 ( 2006.01 )  
A01N 43/58 ( 2006.01 )  
C07D 403/04 ( 2006.01 )  
C07D 409/04 ( 2006.01 )  
C07D 491/056 ( 2006.01 )  
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Louisa; ANDERSON, Zoe Jane  
(74) Davies Collison Cave Pty Ltd
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- (71) SYNTHETIKINE, INC.  
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(21) 2022369312 (22) 20.10.2022  
(54) HETERODIMERIC FC CYTOKINES  
AND USES THEREOF  
(51) Int. Cl.  
C07K 14/52 ( 2006.01 )  
A61K 38/20 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C12N 15/62 ( 2006.01 )  
C12N 15/79 ( 2006.01 )  
(87) WO2023/070056  
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(72) ROKKAM, Deepti; LUPARDUS, Patrick  
J.  
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- (71) SYZYGY PLASMONICS INC.  
(11) AU-A-2022376151  
(21) 2022376151 (22) 25.10.2022  
(54) AMMONIA-BASED PHOTOCATALYTIC  
REACTOR SYSTEMS AND METHODS  
(51) Int. Cl.  
B01J 19/12 ( 2006.01 )  
B01J 35/00 ( 2006.01 )  
C01B 3/04 ( 2006.01 )  
C01B 3/56 ( 2006.01 )  
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GARDEZI, Syed Ali; CHAPMAN,  
Jonathan Morris; ROBATJAZI, Hossein;  
GLOSE, Morgan  
(74) FPA Patent Attorneys Pty Ltd
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- (71) TAGCYX BIOTECHNOLOGIES INC.  
(11) AU-A-2022366465  
(21) 2022366465 (22) 07.10.2022  
(54) AUTOIMMUNE DISEASE THERA-  
PEUTIC AGENT INCLUDING OLIGO-  
NUCLEOTIDE THAT SELECTIVELY  
BINDS TO IFN- $\gamma$ , AND SAID OLIGO-  
NUCLEOTIDE  
(51) Int. Cl.  
C12N 15/115 ( 2010.01 )  
A61K 31/711 ( 2006.01 )  
A61K 47/55 ( 2017.01 )  
A61P 1/00 ( 2006.01 )  
A61P 1/16 ( 2006.01 )  
A61P 3/10 ( 2006.01 )  
A61P 9/00 ( 2006.01 )  
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A61P 19/00 ( 2006.01 )  
A61P 19/02 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
A61P 27/02 ( 2006.01 )  
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A61P 37/08 ( 2006.01 )  
C07K 14/57 ( 2006.01 )  
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(74) IP Guardian Pty Ltd
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- (71) TAISHO SKY BUILDING, INC.  
(11) AU-A-2021468029  
(21) 2021468029 (22) 11.10.2021  
(54) MANAGEMENT SYSTEM FOR  
HOURLY RENTAL FACILITY  
(51) Int. Cl.  
G06Q 50/06 ( 2012.01 )  
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(72) ISHIDA Kazuharu  
(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2021468649  
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(54) MANAGEMENT SYSTEM FOR  
HOURLY RENTAL FACILITY  
(51) Int. Cl.  
G06Q 50/06 ( 2012.01 )  
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(72) ISHIDA Kazuharu  
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- (71) TANGO THERAPEUTICS, INC.  
(11) AU-A-2022366869  
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(54) NOVEL MODULATORS OF EHMT1  
AND EHMT2 AND THERAPEUTIC  
USE THEREOF  
(51) Int. Cl.  
C07D 405/12 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07D 405/14 ( 2006.01 )  
C07D 413/12 ( 2006.01 )  
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P.; WILLIAMS, Brett; COME, Jon H.;  
THRONER, Scott  
(74) Pizeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71) TAVOTEK BIOTHERAPEUTICS  
(HONG KONG) LIMITED  
(11) AU-A-2022369278  
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(54) ANTI-EGFR ANTIBODIES, ANTI-cMET  
ANTIBODIES, ANTI-VEGF ANTIBOD-  
IES, MULTISPECIFIC ANTIBODIES,  
AND USES THEREOF  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 16/22 ( 2006.01 )  
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DRESDEN  
(11) AU-A-2022386716  
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(54) SITE-SPECIFIC RECOMBINASES  
FOR EFFICIENT AND SPECIFIC GEN-  
OME EDITING  
(51) Int. Cl.  
C12N 9/22 ( 2006.01 )  
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(74) Griffith Hack
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MÜNCHEN  
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(54) METHOD FOR THE PREPARATION  
OF A COMPOSITION COMPRISING  
DISSOLVED [18F]FLUORIDE AND  
COMPOSITION OBTAINABLE BY THE  
METHOD  
(51) Int. Cl.  
C07B 59/00 ( 2006.01 )  
A61K 51/04 ( 2006.01 )  
A61K 51/08 ( 2006.01 )  
C07F 5/00 ( 2006.01 )  
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C01F 5/22 ( 2006.01 )  
C02F 1/461 ( 2023.01 )  
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C25B 11/031 ( 2021.01 )  
C25B 11/034 ( 2021.01 )  
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C07C 1/20 (2006.01)  
C10G 3/00 (2006.01)  
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(51) Int. Cl.  
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C02F 1/461 (2023.01)  
C25B 1/04 (2021.01)  
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C25B 11/032 (2021.01)  
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**(51)** Int. Cl.  
**C25B 9/23** ( 2021.01 )  
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**(72)** SATO, Ryota  
**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2022399860 (22) 22.11.2022  
**(54)** METHOD FOR DETERMINING A RELATIVE POSITION INDICATION IN A TRACK  
**(51)** Int. Cl.  
**B61L 23/04** ( 2006.01 )  
**B61L 25/02** ( 2006.01 )  
**(87)** WO2023/099292  
**(31)** A 50963/2021 (32) 01.12.21 (33) AT  
**(43)** 08.06.2023  
**(72)** STUNTNER, Benjamin; HARTL, Daniel  
**(74)** Dennemeyer & Associates
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**(21)** 2022365519 (22) 14.10.2022
- (54)** COMPOSITIONS AND METHODS FOR DRUG INSTILLATION INTO THE URINARY BLADDER  
**(51)** Int. Cl.  
**A61P 13/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/32** ( 2006.01 )  
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**(72)** GORDON, Avigdor; MALCHI, Nadav; NASSER, Taher; TOUITOU, Dan  
**(74)** PIPERS
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**(54)** PRETREATMENT OF ORGANIC WASTE FOR LACTIC ACID PRODUCTION EMPLOYING COMPOSITIONS OF BACILLUS COAGULANS SPORES  
**(51)** Int. Cl.  
**C12P 7/56** ( 2006.01 )  
**C12M 1/40** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12R 1/07** ( 2006.01 )  
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**(72)** AVIDAN, Ofir; GREENER, Tsvika  
**(74)** WRAYS PTY LTD
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**(51)** Int. Cl.  
**F25B 49/02** ( 2006.01 )  
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**(72)** VENSCHOTT, Mathias  
**(74)** Spruson & Ferguson
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**(51)** Int. Cl.  
**E04H 9/14** ( 2006.01 )  
**A62C 35/58** ( 2006.01 )  
**E04H 9/02** ( 2006.01 )  
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**(72)** SASAKAWA Hiroyuki  
**(74)** A.P.T. Patent and Trade Mark Attorneys
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**(21)** 2022381258 (22) 03.11.2022
- (54)** SUBSTITUTED PHENYLPROPIONIC ACID DERIVATIVE AND USE THERE-OF  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4025** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022356378  
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**(54)** PLANT DISEASE RESISTANCE GENES AGAINST STEM RUST AND METHODS OF USE  
**(51)** Int. Cl.  
**C07K 14/415** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
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**(72)** YU, Guotai; WULFF, Brande Bruce Hertel  
**(74)** Spruson & Ferguson
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**(21)** 2022378524 (22) 26.10.2022  
**(54)** NUCLEIC ACID CONSTRUCTS, VIRAL VECTORS AND VIRAL PARTICLES  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
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**(72)** RODRIGUEZ ALVAREZ, Natalia; SIPEKY, Csilla; VALLETTE, Brittany Nicole; WOLFF, Christian Gilbert Joseph; XU, Meiyu  
**(74)** Griffith Hack
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**(11)** AU-A-2022402319  
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**(54)** FORMULATIONS COMPRISING FAB-PEG  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 47/60** ( 2017.01 )  
**C07K 16/28** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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(54) GENERATING VECTOR VERSIONS OF STRUCTURAL PLANS  
(51) Int. Cl.  
G06F 30/13 ( 2020.01 )  
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(72) CARRINGTON, Charles C.; WESTRE, Aaron  
(74) FB Rice Pty Ltd
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(54) SYSTEM TOILET FOR PETS  
(51) Int. Cl.  
A01K 1/01 ( 2006.01 )  
(87) WO2023/084795  
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(43) 19.05.2023  
(72) NAKATANI Misato; SASANO Yasuhiro; KANEKO Shinya  
(74) Allens Patent & Trade Mark Attorneys
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(21) 2021473129 (22) 08.12.2021  
(54) SYSTEM TOILET FOR PET  
(51) Int. Cl.  
A01K 1/01 ( 2006.01 )  
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(72) NAKATANI Misato; SASANO Yasuhiro; KANEKO Shinya  
(74) Allens Patent & Trade Mark Attorneys
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(54) ABSORBENT ARTICLE  
(51) Int. Cl.  
A61F 13/56 ( 2006.01 )  
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(43) 01.06.2023  
(72) NAKANO, Kana; SAITO, Kyota; MURAKAMI, Hiroko  
(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2022398578  
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(54) ABSORBENT ARTICLE  
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A61F 13/496 ( 2006.01 )  
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(72) MURAKAMI, Hiroko; SAITO, Kyota; NAKANO, Kana  
(74) PHILLIPS ORMONDE FITZPATRICK
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(54) COMPOSITIONS  
(51) Int. Cl.  
C08G 64/18 ( 2006.01 )  
C08G 64/34 ( 2006.01 )  
C08G 65/26 ( 2006.01 )  
C08G 65/331 ( 2006.01 )  
C11D 1/66 ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
A23G 9/38 ( 2006.01 )  
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B28D 1/26 ( 2006.01 )  
G01S 17/06 ( 2006.01 )  
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(72) DEBLOCK, Loren; DE ROO, Jonathan  
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(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
A61P 35/04 ( 2006.01 )  
G01N 33/53 ( 2006.01 )  
C12N 15/113 ( 2010.01 )  
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(72) PREVARSKAYA, Natalia; LEHEN'KYI, V'yacheslav; HAUSTRATE, Aurélien  
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(51) Int. Cl.  
C07K 14/705 ( 2006.01 )  
A61K 38/20 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 7/06 ( 2006.01 )  
C07K 14/00 ( 2006.01 )  
C12N 5/07 ( 2010.01 )  
C12N 5/078 ( 2010.01 )  
C12N 5/0783 ( 2010.01 )  
C12N 5/0784 ( 2010.01 )  
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C12Q 1/6809 ( 2018.01 )  
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(54) TRANSMEMBRANE PEPTIDIC ANTAGONISTS OF PLEXIN-A1 AND THEIR THERAPEUTIC USES	(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd			(11) AU-A-2022364800
(51) Int. Cl.				(21) 2022364800 (22) 12.10.2022
A61K 38/03 (2006.01)				(54) BACTERIOPHAGE PREPARATIONS AND METHODS OF USE
A61K 38/04 (2006.01)				(51) Int. Cl.
A61P 25/00 (2006.01)				A61K 35/76 (2015.01)
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(43) 16.03.2023	(21) 2022368907 (22) 19.10.2022			(43) 20.04.2023
(72) BAGNARD, Dominique; BINAME, Fabien	(54) REJUVENATION TREATMENT OF AGE-RELATED WHITE MATTER LOSS			(72) LIN, Henry C.; LIN, Derek M.; KOSKELLA, Britt
(74) FB Rice Pty Ltd	(51) Int. Cl.			(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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	(72) GOLDMAN, Steven; DA COSTA BARBEDO VIEIRA, Ricardo			
	(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD			
(71) UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.; ANTEROGEN CO. LTD	(71) UNIVERSITY OF ROCHESTER; UNIVERSITY OF COPENHAGEN			(71) UPL CORPORATION LIMITED; UPL EUROPE LTD.; MMAG CO., LTD.
(11) AU-A-2022378641	(11) AU-A-2022371414			(11) AU-A-2022374617
(21) 2022378641 (22) 28.10.2022	(21) 2022371414 (22) 19.10.2022			(21) 2022374617 (22) 27.10.2022
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(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.
C07F 9/6558 (2006.01)	A61K 35/30 (2015.01)			A01N 43/40 (2006.01)
A61K 31/513 (2006.01)	A61K 9/00 (2006.01)			A01P 7/04 (2006.01)
A61K 31/662 (2006.01)	A61K 35/545 (2015.01)			(87) WO2023/073605
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A61P 31/12 (2006.01)	A61P 25/28 (2006.01)			(43) 04.05.2023
(87) WO2023/076611	A61P 27/00 (2006.01)			(72) LUIS, Gustavo Rodrigues Gonella
(31) 63/273,403 (32) 29.10.21 (33) US	A61P 37/00 (2006.01)			(74) Churchill Attorneys
(43) 04.05.2023				
(72) SINGH, Uma, Sharan; CHU, Chung K.	(87) WO2023/069979			
(74) A.P.T. Patent and Trade Mark Attorneys	(31) 63/257,767 (32) 20.10.21 (33) US			
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	(72) GOLDMAN, Steven; DA COSTA BARBEDO VIEIRA, Ricardo			
	(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD			
(71) UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	(71) UNIVERSITY OF UTAH RESEARCH FOUNDATION			(71) UPL LIMITED
(11) AU-A-2022356262	(11) AU-A-2022378660			(11) AU-A-2022354673
(21) 2022356262 (22) 29.09.2022	(21) 2022378660 (22) 31.10.2022			(21) 2022354673 (22) 28.09.2022
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(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.
A61N 5/10 (2006.01)	A61K 31/46 (2006.01)			A01N 25/02 (2006.01)
A61B 6/08 (2006.01)	A61P 25/00 (2006.01)			A01N 43/42 (2006.01)
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(31) 63/249,657 (32) 29.09.21 (33) US	A61P 43/00 (2006.01)			A01N 43/90 (2006.01)
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(72) MOLLOY, Janelle A.; PALMIERO, Allison; VISAK, Justin	(31) 63/274,350 (32) 01.11.21 (33) US			(31) 202121044003 (32) 28.09.21 (33) IN
(74) WRAYS PTY LTD	(43) 04.05.2023			(43) 06.04.2023
	(72) YELLEPEDDI, Venkata K; MURPHY, Nancy Alice; GHANDEHARI, Hamidreza S.; MUNTZ, Harlan R.; YATHAVAN, Bhuvanesh Kumar; WATT, Kevin			(72) SHIRSAT, Rajan Ramakant; SHARMA, Shiv Kumar; SAPKALE, Pradeep Shamrao
	(74) Griffith Hack			(74) Churchill Attorneys
(71) UNIVERSITY OF MASSACHUSETTS				
(11) AU-A-2022398619				
(21) 2022398619 (22) 22.11.2022				
(54) GENE THERAPY FOR SPINAL MUSCULAR ATROPHY				
(51) Int. Cl.				
C12N 15/63 (2006.01)				
C12N 15/86 (2006.01)				
A61K 31/711 (2006.01)				
C12N 15/11 (2006.01)				
(87) WO2023/097214				
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**A01P 13/00** ( 2006.01 )  
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**(43)** 13.04.2023  
**(72)** LENZ, Giuvan; RAO, Ganesh  
**(74)** Churchill Attorneys
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- (71)** UPL LIMITED  
**(11)** AU-A-2022369503  
**(21)** 2022369503 **(22)** 17.10.2022  
**(54)** AN AGROCHEMICAL COMBINATION  
**(51)** Int. Cl.  
**A01N 39/04** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 57/20** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
**(87)** WO2023/067621  
**(31)** 202121047126 **(32)** 18.10.21 **(33)** IN  
**(43)** 27.04.2023  
**(72)** LENZ, Giuvan; RAO, Ganesh  
**(74)** Churchill Attorneys
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- (71)** UPM-KYMMENE CORPORATION  
**(11)** AU-A-2021469452  
**(21)** 2021469452 **(22)** 21.10.2021  
**(54)** A RECYCLABLE AND SORTABLE THERMOPLASTIC COMPOSITION  
**(51)** Int. Cl.  
**C08L 97/00** ( 2006.01 )  
**C08L 23/06** ( 2006.01 )  
**C08L 23/12** ( 2006.01 )  
**C08L 29/04** ( 2006.01 )  
**C08L 55/02** ( 2006.01 )  
**(87)** WO2023/067237  
**(43)** 27.04.2023  
**(72)** GALL, Barbara; DIEHL, Florian  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2021469494  
**(21)** 2021469494 **(22)** 21.10.2021  
**(54)** A RECYCLABLE THERMOPLASTIC COMPOSITION  
**(51)** Int. Cl.  
**C08L 97/00** ( 2006.01 )  
**C08L 23/06** ( 2006.01 )  
**C08L 23/12** ( 2006.01 )  
**C08L 55/02** ( 2006.01 )  
**(87)** WO2023/067236  
**(43)** 27.04.2023  
**(72)** GALL, Barbara; DIEHL, Florian  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2021470514  
**(21)** 2021470514 **(22)** 21.10.2021  
**(54)** A BURNING-RESISTANT THERMOPLASTIC COMPOSITION  
**(51)** Int. Cl.  
**C08L 97/00** ( 2006.01 )  
**C08L 23/12** ( 2006.01 )  
**C08L 25/06** ( 2006.01 )  
**(87)** WO2023/067238
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**(72)** GALL, Barbara; DIEHL, Florian; MIET-TINEN, Mauno  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2022348556  
**(21)** 2022348556 **(22)** 13.09.2022  
**(54)** IMPLANTABLE URINARY CONTINENCE DEVICE WITH HELICAL ANCHOR  
**(51)** Int. Cl.  
**A61F 2/00** ( 2006.01 )  
**A61B 17/12** ( 2006.01 )  
**(87)** WO2023/044301  
**(31)** 63/261,171 **(32)** 14.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** BURTON, John, H.; COOK, Timothy, C.  
**(74)** FB Rice Pty Ltd
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- (71)** URTESTE S.A.  
**(11)** AU-A-2022407963  
**(21)** 2022407963 **(22)** 05.12.2022  
**(54)** FRET ENZYMATIC SUBSTRATE AND USES THEREOF IN LUNG CANCER.  
**(51)** Int. Cl.  
**G01N 33/542** ( 2006.01 )  
**G01N 33/573** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(87)** WO2023/106945  
**(31)** P.439760 **(32)** 07.12.21 **(33)** PL  
**(43)** 15.06.2023  
**(72)** LESNER, Adam; GRUBA, Natalia  
**(74)** Halfords IP
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- (71)** VACCINEX, INC.  
**(11)** AU-A-2021465518  
**(21)** 2021465518 **(22)** 27.09.2021  
**(54)** PREDICTIVE OUTCOME PROFILING FOR USE OF AN ANTI-SEMAPHORIN-4D BINDING MOLECULE TO TREAT NEURODEGENERATIVE DISORDERS  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(87)** WO2023/048726  
**(43)** 30.03.2023  
**(72)** ZAUDERER, Maurice; EVANS, Elizabeth; FISHER, Terrence  
**(74)** AJ PARK
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- (71)** VALD PTY LTD  
**(11)** AU-A-2022440630  
**(21)** 2022440630 **(22)** 05.10.2022  
**(54)** MULTI-USE DYNAMOMETER  
**(51)** Int. Cl.  
**G01L 5/00** ( 2006.01 )  
**(43)** 02.05.2024  
**(72)** JAMES, Sam; SMITH, Jason  
**(74)** DAVIS IP PTY LTD
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- (71)** VANDERBEKEN, O.H.C.D.; VANDERBEKEN, C.J.; VANDERBEKEN, M.A.  
**(11)** AU-A-2022364701  
**(21)** 2022364701 **(22)** 11.10.2022  
**(54)** SMALL FOOTPRINT PRE-TREATMENT PLANT AND DECENTRALIZED FOOD WASTE SEPARATION AND TREATMENT  
**(51)** Int. Cl.  
**B29B 17/02** ( 2006.01 )  
**C02F 3/28** ( 2023.01 )  
**C02F 11/04** ( 2006.01 )  
**(87)** WO2023/064293  
**(31)** 17/506,287 **(32)** 11.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** VANDERBEKEN, Olivier, Hugo, Christopher, Dany; VANDERBEKEN, Cedric, Jean-Luc; VANDERBEKEN, Marc, Alphonse  
**(74)** Cedric Jean-Luc Vanderbeken
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- (71)** VANDERBILT UNIVERSITY  
**(11)** AU-A-2022345066  
**(21)** 2022345066 **(22)** 14.09.2022  
**(54)** PHENYL CORE COMPOUNDS AS MGLU5 NEGATIVE ALLOSTERIC MODULATORS AND METHODS OF MAKING AND USING THE SAME  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )  
**(87)** WO2023/043823  
**(31)** 63/244,062 **(32)** 14.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** LINDSLEY, Craig, W.; CONN, P., Jeffrey; FELTS, Andrew, S.; CAPSTICK, Rory, A.; TEMPLE, Kayla, J.; RINGUETTE, Anna, E.; HENDERSON, Scott, H.; WHOMBLE, David, L.  
**(74)** WRAYS PTY LTD
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- (71)** VANDERBILT UNIVERSITY  
**(11)** AU-A-2022345071  
**(21)** 2022345071 **(22)** 14.09.2022  
**(54)** HETEROARYL-LINKED ANALOGS AS MGLU5 NEGATIVE ALLOSTERIC MODULATORS AND METHODS OF MAKING AND USING THE SAME  
**(51)** Int. Cl.  
**C07D 413/14** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**(87)** WO2023/043833  
**(31)** 63/244,040 **(32)** 14.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** LINDSLEY, Craig, W.; TEMPLE, Kayla, J.; CROCKER, Katherine, E.; BENDER, Aaron, M.; WATERS, Jackson, P.; SPOCK, Matthew; MALINKY, Cori, A.; DODD, Cayden, J.  
**(74)** WRAYS PTY LTD
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- (71)** VENN BIOSCIENCES CORPORATION  
**(11)** AU-A-2022356446  
**(21)** 2022356446 **(22)** 30.09.2022

PCT applications which have entered the National Phase - Name Index cont'd

(54) SYSTEMS AND METHODS FOR GLYCOPEPTIDE CONCENTRATION DETERMINATION, NORMALIZED ABUNDANCE DETERMINATION, AND LC/MS RUN SAMPLE PREPARATION  
 (51) Int. Cl.  
**C12Q 1/6876** ( 2018.01 )  
 G01N 33/68 ( 2006.01 )  
 (87) WO2023/056424  
 (31) 63/251,028 (32) 30.09.21 (33) US  
 63/293,506 23.12.21 US  
 (43) 06.04.2023  
 (72) SERIE, Daniel; XU, Gege  
 (74) WRAYS PTY LTD

(71) VERASTEM, INC.  
 (11) AU-A-2022376939  
 (21) 2022376939 (22) 27.10.2022  
 (54) COMBINATION THERAPY FOR TREATING ABNORMAL CELL GROWTH  
 (51) Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2023/076991  
 (31) 63/272,899 (32) 28.10.21 (33) US  
 (43) 04.05.2023  
 (72) PACHTER, Jonathan A.; CHOWDHURY, Sanjib; COMA, Silvia  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) VERASTEM, INC.  
 (11) AU-A-2022381730  
 (21) 2022381730 (22) 02.11.2022  
 (54) METHODS OF TREATING ABNORMAL CELL GROWTH  
 (51) Int. Cl.  
**A61K 31/506** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2023/081676  
 (31) 63/274,745 (32) 02.11.21 (33) US  
 (43) 11.05.2023  
 (72) STUGLIK, Brian M.; KOUSTENIS, Andrew; PACHTER, Jonathan A.; COMA, Silvia  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) VERIFONE, INC.  
 (11) AU-A-2022356370  
 (21) 2022356370 (22) 26.09.2022  
 (54) SYSTEMS, DEVICES, AND METHODS FOR SELF-CHECKOUT MONITORING  
 (51) Int. Cl.  
**G06Q 20/18** ( 2012.01 )  
**G06F 3/04817** ( 2022.01 )  
 H04N 21/21 ( 2011.01 )  
 (87) WO2023/056229  
 (31) 202111044624 (32) 01.10.21 (33) IN  
 (43) 06.04.2023  
 (72) SUNDER, Sumith S; K, Pravija; V P, Channakeshava; NAIR, Ashish K; LUNA, Alan; AIYAR, Bhanu Raghuraman; MANDIR, Vandana Susheela  
 (74) AJ PARK

(71) VERIFONE, INC.  
 (11) AU-A-2022375772  
 (21) 2022375772 (22) 26.10.2022  
 (54) SYSTEMS AND METHODS FOR PAIRING SITE CONTROLLER TO POINT-OF-SALE DEVICES  
 (51) Int. Cl.  
**G06Q 20/16** ( 2012.01 )  
**G06Q 20/20** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )  
 G06F 21/31 ( 2013.01 )  
 G06Q 20/10 ( 2012.01 )  
 G06Q 20/18 ( 2012.01 )  
 G06Q 20/32 ( 2012.01 )  
 G06Q 20/34 ( 2012.01 )  
 G06Q 20/40 ( 2012.01 )  
 (87) WO2023/076933  
 (31) 63/263,089 (32) 27.10.21 (33) US  
 (43) 04.05.2023  
 (72) GODWIN, David; HUTZENBILER, Robert J.  
 (74) AJ PARK

(71) VERNDARI, INC.  
 (11) AU-A-2022345094  
 (21) 2022345094 (22) 15.09.2022  
 (54) STABILIZED LIPID NANOPARTICLE MRNA COMPOSITIONS AND USES THEREOF  
 (51) Int. Cl.  
**C12N 15/88** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
 (87) WO2023/043933  
 (31) 63/244,717 (32) 15.09.21 (33) US  
 63/275,395 03.11.21 US  
 63/284,614 30.11.21 US  
 (43) 23.03.2023  
 (72) KHEIROLOMOOM, Azadeh; ELLISON, Thomas James; TALBOTT, George Charles; HENDERSON, Daniel Robert  
 (74) FB Rice Pty Ltd

(71) VERSUNI HOLDING B.V.  
 (11) AU-A-2022354521  
 (21) 2022354521 (22) 20.09.2022  
 (54) AN AIR DELIVERY SYSTEM  
 (51) Int. Cl.  
**F24F 8/108** ( 2021.01 )  
**F04D 25/08** ( 2006.01 )  
**F04D 29/58** ( 2006.01 )  
**F24F 1/0071** ( 2019.01 )  
**F24F 1/01** ( 2011.01 )  
**F24F 6/04** ( 2006.01 )  
**F24F 8/80** ( 2021.01 )  
**F24F 13/10** ( 2006.01 )  
**F24F 13/12** ( 2006.01 )  
**F24F 13/20** ( 2006.01 )  
 (87) WO2023/052203  
 (31) PCT/ CN2021/122392 (32) 30.09.21 (33) CN  
 22168183.6 13.04.22 EP  
 (43) 06.04.2023  
 (72) JIANG, Peng; ZHANG, Wei  
 (74) FB Rice Pty Ltd

(71) VERTEX PHARMACEUTICALS INCORPORATED  
 (11) AU-A-2022382571  
 (21) 2022382571 (22) 07.11.2022  
 (54) STEM CELL DIFFERENTIATION AND CHEMICAL COMPOUNDS  
 (51) Int. Cl.  
**C12N 5/073** ( 2010.01 )  
**A61K 35/12** ( 2015.01 )  
**C07K 14/47** ( 2006.01 )  
 (87) WO2023/081884  
 (31) 63/277,092 (32) 08.11.21 (33) US  
 (43) 11.05.2023  
 (72) XIE, Chunhui; HARB, George; RYU, Elizabeth; TECENO, Nicholas; FARRAR, Christopher  
 (74) Griffith Hack

(71) VIIV HEALTHCARE UK (NO.5) LIMITED  
 (11) AU-A-2022362855  
 (21) 2022362855 (22) 12.10.2022  
 (54) INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61P 1/00** ( 2006.01 )  
 (87) WO2023/062559  
 (31) 63/255,056 (32) 13.10.21 (33) US  
 63/257,212 19.10.21 US  
 (43) 20.04.2023  
 (72) DALWADI, Gautam  
 (74) Davies Collison Cave Pty Ltd

(71) VIKING THERAPEUTICS, INC.  
 (11) AU-A-2022347024  
 (21) 2022347024 (22) 12.09.2022  
 (54) COMPOSITIONS AND METHODS FOR THE TREATMENT OF METABOLIC AND LIVER DISORDERS  
 (51) Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**A61P 1/16** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
 (87) WO2023/044290  
 (31) 63/244,406 (32) 15.09.21 (33) US  
 (43) 23.03.2023  
 (72) LIAN, Brian; BARKER, Geoffrey, E.; YAGIZ, Kader; BARNES, Maureen; STEVENS, Erland  
 (74) Davies Collison Cave Pty Ltd

(71) VIRENT, INC.  
 (11) AU-A-2022362275  
 (21) 2022362275 (22) 13.10.2022  
 (54) METHODS FOR PRODUCING HIGH PURITY AROMATICS FROM A MIXED AROMATIC FEED STREAM  
 (51) Int. Cl.  
**C10G 45/62** ( 2006.01 )  
**C07C 6/12** ( 2006.01 )  
**C10G 3/00** ( 2006.01 )  
**C10G 45/64** ( 2006.01 )  
**C10G 47/18** ( 2006.01 )



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**(31)** 63/255,812 **(32)** 14.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** BLOMMEL, Paul G.; VAN STRATEN, Matthew; DALLY, Brice  
**(74)** FB Rice Pty Ltd
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- (71)** VIRENT, INC.  
**(11)** AU-A-2022364851  
**(21)** 2022364851 **(22)** 14.10.2022  
**(54)** METHODS FOR REFORMING A HEAVY AROMATIC STREAM  
**(51)** Int. Cl.  
**C10G 45/62** ( 2006.01 )  
**C10G 3/00** ( 2006.01 )  
**C10G 45/70** ( 2006.01 )  
**C10G 69/04** ( 2006.01 )  
**C10G 69/12** ( 2006.01 )  
**(87)** WO2023/064565  
**(31)** 63/255,817 **(32)** 14.10.21 **(33)** US  
**(43)** 20.04.2023  
**(72)** BLOMMEL, Paul G.; VAN STRATEN, Matthew; DALLY, Brice  
**(74)** FB Rice Pty Ltd
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- (71)** VIRIDIAN SPACE CORPORATION  
**(11)** AU-A-2022370062  
**(21)** 2022370062 **(22)** 21.10.2022  
**(54)** TURBOMOLECULAR AIR-SCOOP FOR SATELLITE AIR-BREATHING ELECTRIC PROPULSION  
**(51)** Int. Cl.  
**B64G 1/40** ( 2006.01 )  
**B64G 1/42** ( 2006.01 )  
**B64G 1/44** ( 2006.01 )  
**(87)** WO2023/069723  
**(31)** 17/970,376 **(32)** 20.10.22 **(33)** US  
 63/270,273 21.10.21 US  
**(43)** 27.04.2023  
**(72)** FELDMAN, Matthew, S.; SPEKTOR, Rostislav  
**(74)** WRAYS PTY LTD
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- (71)** VIROTHERA LTD  
**(11)** AU-A-2022359841  
**(21)** 2022359841 **(22)** 06.10.2022  
**(54)** NOVEL IMMUNE REGULATOR  
**(51)** Int. Cl.  
**C07K 14/52** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**(87)** WO2023/057589  
**(31)** 500712 **(32)** 06.10.21 **(33)** LU  
**(43)** 13.04.2023  
**(72)** GOMPELS, Ursula  
**(74)** WRAYS PTY LTD
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- (71)** VITIDORE, INC.  
**(11)** AU-A-2022380912  
**(21)** 2022380912 **(22)** 02.11.2022  
**(54)** SYSTEMS AND METHODS FOR AGRICULTURAL OPTIMIZATION  
**(51)** Int. Cl.  
**G06F 16/29** ( 2019.01 )  
**G06Q 10/063** ( 2023.01 )
- G06Q 50/02** ( 2012.01 )  
**(87)** WO2023/081247  
**(31)** 63/274,625 **(32)** 02.11.21 **(33)** US  
 63/274,668 02.11.21 US  
**(43)** 11.05.2023  
**(72)** DEVINCENTIS, Alyssa, J.; GUILLON, Hervé; RICE, Sloane; PERKINS, Roy; KNUTSON, John; MORGENFELD, Mike; LICHTENSTEIN, Gary; REVERSO, Thomas; BERRIS, Helaine  
**(74)** PIPERS
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- (71)** VITO NV  
**(11)** AU-A-2022354595  
**(21)** 2022354595 **(22)** 30.09.2022  
**(54)** COMPOSITE FILTER MEMBRANES PROVIDING INCREASED FLOWABILITY  
**(51)** Int. Cl.  
**B01D 61/02** ( 2006.01 )  
**B01D 61/14** ( 2006.01 )  
**B01D 67/00** ( 2006.01 )  
**B01D 69/02** ( 2006.01 )  
**B01D 69/12** ( 2006.01 )  
**B01D 71/34** ( 2006.01 )  
**B01D 71/68** ( 2006.01 )  
**(87)** WO2023/052574  
**(31)** 21200204.2 **(32)** 30.09.21 **(33)** EP  
**(43)** 06.04.2023  
**(72)** MOLENBERGHS, Bart; BOUWMAN, Bert  
**(74)** Collison & Co
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- (71)** VITRO FLAT GLASS LLC  
**(11)** AU-A-2022368359  
**(21)** 2022368359 **(22)** 29.09.2022  
**(54)** HEAT-TREATABLE COATING HAVING REDUCED HAZE  
**(51)** Int. Cl.  
**C03C 17/36** ( 2006.01 )  
**(87)** WO2023/064111  
**(31)** 63/254,237 **(32)** 11.10.21 **(33)** US  
 17/954,441 28.09.22 US  
**(43)** 20.04.2023  
**(72)** SMITH, Jessica; CURLISS, Neil; GRIFFIN, Maryanne; BRACAMONTE, Martin  
**(74)** FB Rice Pty Ltd
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- (71)** VKR HOLDING A/S  
**(11)** AU-A-2022358845  
**(21)** 2022358845 **(22)** 07.10.2022  
**(54)** PACKED ROOF WINDOW PRODUCT  
**(51)** Int. Cl.  
**B65D 5/42** ( 2006.01 )  
**B65D 5/44** ( 2006.01 )  
**B65D 77/04** ( 2006.01 )  
**B65D 85/46** ( 2006.01 )  
**(87)** WO2023/057032  
**(31)** PA 2021 70503 **(32)** 08.10.21 **(33)** DK  
**(43)** 13.04.2023  
**(72)** TOLLAK, Tobias  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** VKR HOLDING A/S  
**(11)** AU-A-2022359781  
**(21)** 2022359781 **(22)** 07.10.2022
- (54)** PACKED ROOF WINDOW PRODUCTS  
**(51)** Int. Cl.  
**B65D 5/50** ( 2006.01 )  
**B65D 85/46** ( 2006.01 )  
**B65D 85/64** ( 2006.01 )  
**(87)** WO2023/057030  
**(31)** PA 2021 70502 **(32)** 08.10.21 **(33)** DK  
**(43)** 13.04.2023  
**(72)** HENRIKSEN, Jens-Ulrik Holst  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** VKR HOLDING A/S  
**(11)** AU-A-2022361593  
**(21)** 2022361593 **(22)** 07.10.2022  
**(54)** PACKED ROOF WINDOW PRODUCT, A METHOD FOR PACKING A PACKED ROOF WINDOW PRODUCT, AND A METHOD OF UNPACKING A PACKED ROOF WINDOW PRODUCT  
**(51)** Int. Cl.  
**B65D 77/04** ( 2006.01 )  
**B65D 85/64** ( 2006.01 )  
**(87)** WO2023/057031  
**(31)** PA 2021 70504 **(32)** 08.10.21 **(33)** DK  
**(43)** 13.04.2023  
**(72)** TOLLAK, Tobias  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** VOR BIOPHARMA INC.  
**(11)** AU-A-2022387087  
**(21)** 2022387087 **(22)** 09.11.2022  
**(54)** COMPOSITIONS AND METHODS FOR ERM2 MODIFICATION  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2023/086422  
**(31)** 63/277,542 **(32)** 09.11.21 **(33)** US  
**(43)** 19.05.2023  
**(72)** LYDEARD, John; CHAKRABORTY, Tirtha  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** VO VEHICLES LTD  
**(11)** AU-A-2022347113  
**(21)** 2022347113 **(22)** 20.09.2022  
**(54)** A COMPACT GROUND VEHICLE WITH ELECTRIC PROPULSION  
**(51)** Int. Cl.  
**B62K 11/00** ( 2013.01 )  
**(87)** WO2023/041942  
**(31)** 2113407.7 **(32)** 20.09.21 **(33)** GB  
**(43)** 23.03.2023  
**(72)** BAILEY, Marianne  
**(74)** Ahearn Fox
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- (71)** VUSIONGROUP SA  
**(11)** AU-A-2021469140  
**(21)** 2021469140 **(22)** 14.10.2021  
**(54)** METHOD FOR LOGICALLY LINKING AN ELECTRONIC DISPLAY UNIT TO A PRODUCT  
**(51)** Int. Cl.  
**G06G 10/08** ( 2023.01 )  
**G06Q 30/06** ( 2023.01 )  
**G06V 20/60** ( 2022.01 )

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**(87)** WO2023/061599  
**(43)** 20.04.2023  
**(72)** GADOU, Thierry; SCHWARZ, Thomas; RÖSSL, Andreas  
**(74)** Collison & Co

**(71)** VUTILITY, INC.  
**(11)** AU-A-2022348526  
**(21)** 2022348526 **(22)** 20.09.2022  
**(54)** SELF-TUNING CURRENT TRANSFORMER  
**(51)** Int. Cl.  
**H01F 38/28** ( 2006.01 )  
**G01R 15/18** ( 2006.01 )  
**G01R 35/02** ( 2006.01 )  
**H01F 27/40** ( 2006.01 )  
**H01F 27/42** ( 2006.01 )  
**(87)** WO2023/044164  
**(31)** 63/261,401 **(32)** 20.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** AUSTIN, Micheal M.; BROWN, Kody Shook  
**(74)** Spruson & Ferguson

**(71)** W. L. GORE & ASSOCIATES, INC.  
**(11)** AU-A-2022380562  
**(21)** 2022380562 **(22)** 04.11.2022  
**(54)** FLUID DRAINAGE DEVICES, SYSTEMS, AND METHODS  
**(51)** Int. Cl.  
**A61F 9/007** ( 2006.01 )  
**(87)** WO2023/081365  
**(31)** 63/276,183 **(32)** 05.11.21 **(33)** US  
 17/980,431 03.11.22 US  
**(43)** 11.05.2023  
**(72)** TOWLER, Jeffrey C.; ROEBER, Peter J.; SAVORY, Kevin M.  
**(74)** Griffith Hack

**(71)** W. L. GORE & ASSOCIATES, INC.  
**(11)** AU-A-2022382947  
**(21)** 2022382947 **(22)** 04.11.2022  
**(54)** FLUID DRAINAGE DEVICES, SYSTEMS, AND METHODS  
**(51)** Int. Cl.  
**A61F 9/007** ( 2006.01 )  
**(87)** WO2023/081356  
**(31)** 63/276,170 **(32)** 05.11.21 **(33)** US  
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**(43)** 11.05.2023  
**(72)** TOWLER, Jeffrey C.; ROEBER, Peter J.; SAVORY, Kevin M.  
**(74)** Griffith Hack

**(71)** W.R. GRACE & CO.-CONN.  
**(11)** AU-A-2022359742  
**(21)** 2022359742 **(22)** 05.10.2022  
**(54)** MULTIPLE FLUIDIZED BED OR SPOUTED BED REACTORS FOR PLASTICS PYROLYSIS  
**(51)** Int. Cl.  
**C10B 53/07** ( 2006.01 )  
**C10G 1/10** ( 2006.01 )  
**C10G 9/36** ( 2006.01 )  
**F23G 5/027** ( 2006.01 )  
**F23G 7/12** ( 2006.01 )

**(87)** WO2023/059733  
**(31)** 63/252,929 **(32)** 06.10.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** CHENG, Wu-Cheng; YUAN, Guang; HARDING, Robert Hibbard; SIDDIEQ, Abubacker; RAVIKIRAN, Anapagaddi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** W.R. GRACE & CO.-CONN.; UNIVERSIDAD DEL PAIS VASCO  
**(11)** AU-A-2022359744  
**(21)** 2022359744 **(22)** 05.10.2022  
**(54)** CATALYTIC PYROLYSIS OF PLASTICS TO PRODUCE PETRO-CHEMICAL FEEDSTOCK  
**(51)** Int. Cl.  
**B01J 29/06** ( 2006.01 )  
**B01J 29/04** ( 2006.01 )  
**(87)** WO2023/059738  
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**(54)** TISSUE REGENERATION WITH IN VITRO ACTIVATED EFFECTOR CELLS  
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**A61K 35/545** ( 2015.01 )  
**C12N 5/0775** ( 2010.01 )  
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**(72)** BOLANDER, Johanna; MOVIGLIA, Gustavo; ATALA, Anthony  
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**(54)** SYSTEMS AND METHODS FOR REDUCING INFLAMMATION IN THE CENTRAL NERVOUS SYSTEM  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61M 1/02** ( 2006.01 )  
**A61M 1/04** ( 2006.01 )  
**A61M 21/02** ( 2006.01 )  
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**(72)** LEUTHARDT, Eric; HUGUENARD, Anna  
**(74)** GLMR

**(71)** WATERDRAPE, LLC  
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**(51)** Int. Cl.  
**A61L 2/08** ( 2006.01 )  
**A61L 9/18** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
**B01J 21/06** ( 2006.01 )  
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**(54)** COMPOSITIONS FOR EDITING MECP2 TRANSCRIPTS AND METHODS THEREOF  
**(51)** Int. Cl.  
**A61K 31/712** ( 2006.01 )  
**A61K 31/7068** ( 2006.01 )  
**A61K 31/7076** ( 2006.01 )  
**A61K 31/7115** ( 2006.01 )  
**A61K 31/7125** ( 2006.01 )  
**C07H 19/06** ( 2006.01 )

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**B27C 1/06** ( 2006.01 )  
**B27C 1/14** ( 2006.01 )  
**B27G 3/00** ( 2006.01 )  
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**(72)** PAL, Jimmy Tsung-Hsun  
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*B65B 35/10* ( 2006.01 )  
*B65G 54/02* ( 2006.01 )
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 (74) Patentec Patent Attorneys
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*G05D 1/00* ( 2006.01 )
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 (43) 29.12.2022  
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 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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*C07D 213/04* ( 2006.01 )  
*A61K 31/195* ( 2006.01 )  
*A61K 31/4418* ( 2006.01 )  
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*A61P 7/00* ( 2006.01 )  
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 (21) 2022349814 (22) 23.09.2022  
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*C12N 15/10* ( 2006.01 )  
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*C12N 15/67* ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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 (54) METHODS AND SYSTEMS FOR BUILDING AND/OR USING A GRAPH DATA STRUCTURE  
 (51) Int. Cl.  
*G06F 16/9535* ( 2019.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) CELL, BATTERY PACK, AND ELECTRICITY-CONSUMPTION DEVICE  
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*H01M 10/0564* ( 2010.01 )  
*H01M 10/05* ( 2010.01 )  
*H01M 10/056* ( 2010.01 )  
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*G06Q 30/06* ( 2023.01 )  
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*G06Q 10/10* ( 2023.01 )  
*G06Q 10/06* ( 2023.01 )  
*G06Q 30/06* ( 2023.01 )  
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 (54) HELICOBACTER PYLORI COMPOSITE ANTIGEN, ANTIBODY, PREPARATION METHOD AND USE  
 (51) Int. Cl.  
*C12N 9/80* ( 2006.01 )  
*A61K 39/40* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
*C07K 14/195* ( 2006.01 )  
*C07K 16/02* ( 2006.01 )  
*C07K 16/12* ( 2006.01 )  
*C12N 15/31* ( 2006.01 )  
*C12N 15/55* ( 2006.01 )  
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*C07K 16/00* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
*C07K 14/54* ( 2006.01 )  
*C07K 14/715* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (51) Int. Cl.  
*A41D 31/12* ( 2019.01 )  
*A42B 3/06* ( 2006.01 )  
*A43B 23/02* ( 2006.01 )  
*B32B 5/02* ( 2006.01 )  
*D04H 1/02* ( 2006.01 )  
*D04H 1/74* ( 2006.01 )  
*A45F 3/04* ( 2006.01 )  
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*B41J 2/32* ( 2006.01 )  
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 (54) BIOPTIC BARCODE READER WITH MULTIPLE IMAGING DEVICES  
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 (54) METHODS OF USING CYCLOSPORINE A OPHTHALMIC GEL IN TREATING MODERATE-TO-SEVERE DRY EYE DISEASE  
 (51) Int. Cl.  
*A61K 38/13* ( 2006.01 )  
*A61K 9/06* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
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*G01N 33/50* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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*G05B 15/02* ( 2006.01 )  
*H04L 12/28* ( 2006.01 )  
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*H04W 24/10* ( 2009.01 )  
*H04W 56/00* ( 2009.01 )  
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 (51) Int. Cl.  
*C07K 14/54* ( 2006.01 )  
*A61K 38/20* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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*C07K 16/00* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 15/24* ( 2006.01 )  
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 (72) BLACKLER, Ryan; SPRETER VON KREUDENSTEIN, Thomas  
 (74) FB Rice Pty Ltd

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2021464571	KIMBERLY-CLARK WORLDWIDE, INC.	2022340702	AMERICA NATIONAL POWER STORAGE LLC
2021464620	INTI-TECH SPA	2022341128	KARDI HOLDINGS PTY LTD
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2021464980	HINOVA PHARMACEUTICALS INC.	2022341440	MAXIRNA (ZHEJIANG) TECHNOLOGY CO., LTD.; MAXIRNA (SHANGHAI) PHARMACEUTICAL CO., LTD.; SHANGHAI CELL THERAPY GROUP CO., LTD
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2021466603	SINO IRON HOLDINGS PTY LTD	2022342087	CEP-IP LTD
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2021468488	TERRALITHIUM LLC	2022343903	REBUS CORPORATION PTY LTD
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2022347195	CYANVAC LLC	2022353486	SHIONOGI & CO., LTD.; NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY
2022347266	JOHNSON & JOHNSON VISION CARE, INC.	2022353622	SUMITOMO CHEMICAL COMPANY, LIMITED
2022347282	RICHTER GEDEON NYRT.; BUDAPESTI MŰSZAKI ÉS GAZDASÁGTUDOMÁNYI EGYETEM	2022353817	SIMULCONSULT, INC.
2022347792	SKYLINE THERAPEUTICS LIMITED	2022353839	ORNA THERAPEUTICS, INC.
2022347799	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022354056	UNEARTHED LAND TECHNOLOGIES, LLC
2022347989	EVONIK OPERATIONS GMBH	2022354165	QUANTUM BLOCKCHAIN TECHNOLOGIES PLC
2022348073	BERTANI, R.L.	2022354184	MOOG INC.
2022348074	THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH	2022354191	EXPENSIFY, INC.
2022348080	UNIVERSITÉ DE MONTRÉAL	2022354253	SEQIRUS INC.
2022348238	ENEOS CORPORATION; NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	2022354304	CYTECH S.R.L.
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2022348386	AMVAC HONG KONG LIMITED	2022354476	SENFIT, T.
2022348424	A-ALPHA BIO, INC.	2022354521	VERSUNI HOLDING B.V.
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2022348800	HUNTER DOUGLAS INDUSTRIES SWITZERLAND GMBH	2022355064	ADAGIO MEDICAL, INC.
2022348896	DISPENSA HOLDINGS LLC	2022355381	AKESO BIOPHARMA, INC.
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2022349022	IMIRGE MEDICAL INC.; WANG, H.	2022355496	ZYMEWORKS BC INC.
2022349165	WIN-SHIELD MEDICAL DEVICES INC.	2022355700	SUMITOMO PHARMA CO., LTD.; NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM; SUMITOMO CHEMICAL COMPANY, LIMITED
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2022349466	IHNS, J.	2022356047	WUHAN CREATERNA SCIENCE AND TECHNOLOGY CO.,LTD.
2022349499	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	2022356262	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION
2022349529	WAVE LIFE SCIENCES LTD.	2022356281	BLUE PLANET SYSTEMS CORPORATION
2022349651	SHENZHEN JISU TECHNOLOGY CO., LTD.	2022356370	VERIFONE, INC.
2022349662	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	2022356378	TWO BLADES FOUNDATION
2022349809	METSO FINLAND OY	2022356404	ZEAL INNOVATION LTD
2022349814	XBRANE BIOPHARMA AB	2022356440	CHEN, C.
2022349821	KRAFT FOODS SCHWEIZ HOLDING GMBH	2022356446	VENN BIOSCIENCES CORPORATION
2022349828	BIOBAB R&D, S.L.	2022356489	BLIS TECHNOLOGIES LIMITED
2022349859	RK PHARMA INC.; APICORE PHARMACEUTICALS PRIVATE LIMITED	2022356775	SHENZHEN CREALITY 3D TECHNOLOGY CO., LTD.
2022350070	CHESS MEDICAL INC.	2022356800	CHUGAI SEIYAKU KABUSHIKI KAISHA
2022350279	NINGBO XINWELL MEDICAL TECHNOLOGY CO., LTD.; THE FIRST AFFILIATED HOSPITAL OF NINGBO UNIVERSITY	2022357085	SHANGHAI HONGCHENG PHARMACEUTICAL CO., LTD.
2022350407	FORTVITA BIOLOGICS (SINGAPORE) PTE. LTD.	2022357103	SHANGHAI GENEMAGIC BIOSCIENCES CO., LTD.
2022350419	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	2022357226	BLACKSMITH MEDICINES, INC.
2022350549	NINGBO XINWELL MEDICAL TECHNOLOGY CO., LTD.; THE FIRST AFFILIATED HOSPITAL OF NINGBO UNIVERSITY	2022357338	KØBENHAVNS UNIVERSITET
2022350588	EVOPOINT BIOSCIENCES CO., LTD.	2022357420	I4F LICENSING NV
2022350653	BIONTECH SE	2022357505	CANCER RESEARCH TECHNOLOGY LIMITED
2022350815	SOUND BIOPHARMACEUTICALS CO. LTD.	2022357559	ABCELLERA BIOLOGICS INC.
2022351132	ALUMINUM TECHNOLOGIES, LLC	2022357572	RICHTER GEDEON NYRT.
2022351217	OCADO INNOVATION LIMITED	2022357987	BAZBIOMEDIC CO., LTD.
2022351219	CHIESI FARMACEUTICI S.P.A.	2022358461	OMYA INTERNATIONAL AG
2022351248	APTAR FRANCE SAS	2022358565	YUNOVIA, CO., LTD.
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2022351784	ARVIA WATER TECHNOLOGIES LIMITED	2022358630	TRIPLEW LTD.
2022352157	NATIONAL AGRICULTURE AND FOOD RESEARCH ORGANIZATION; SCHOOL CORPORATION, AZABU VETERINARY MEDICINE EDUCATIONAL INSTITUTION	2022358637	CYTECH S.R.L.
2022352384	TIANQI LITHIUM KWINANA PTY LTD	2022358678	SOURCE GLOBAL, PBC
2022352465	CGECHEN LIMITED	2022358683	CORAVIN, INC.
2022352665	Q'APEL MEDICAL, INC.	2022358743	SEQIRUS PTY LTD
2022352912	RUBHU BIOLOGICS, INC.	2022358748	EOSENSE INC.
2022352990	RUAG AMMOTEC AG	2022358764	BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC
2022353059	OCADO INNOVATION LIMITED	2022358772	ELIXIRON IMMUNOTHERAPEUTICS (HONG KONG) LIMITED
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		2022358909	TESSENDERLO GROUP NV
		2022358921	PHILOCHEM AG
		2022358933	SCHLETTER INTERNATIONAL B.V.
		2022358966	TILT BIOTHERAPEUTICS OY
		2022359014	MEDIVENA SP. Z O.O.
		2022359021	KASHIV BIOSCIENCES, LLC
		2022359030	UPL LIMITED
		2022359229	S.P.M. INSTRUMENT AB

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2022359253	MSA TECHNOLOGY, LLC	2022361593	VKR HOLDING A/S
2022359382	BIOTEPT B.V.; RESILIUN B.V.	2022361653	LES LABORATOIRES SERVIER
2022359420	THE CHINESE UNIVERSITY OF HONG KONG; GRAIL, LLC	2022361681	INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT; UNIVERSITE CLER- MONT AUVERGNE; CENTRE HOSPITALIER UNI- VERSITAIRE DE CLERMONT-FERRAND
2022359426	SUZHOU ABOGEN BIOSCIENCES CO., LTD.	2022361705	CANCER RESEARCH TECHNOLOGY LIMITED
2022359437	FLOX AB	2022361743	AGRESEARCH LIMITED
2022359438	S.P.M. INSTRUMENT AB	2022361756	SEQIRUS INC.
2022359461	PANTHERICS INCORPORATED	2022361758	GLATFELTER HOLDING (SWITZERLAND) AG
2022359539	CURINGINNOVOS INC.	2022361768	KASHIV BIOSCIENCES, LLC
2022359715	WORCESTER POLYTECHNIC INSTITUTE	2022361849	NISSHINBO SINGAPORE PTE. LTD.
2022359736	OWENS-BROCKWAY GLASS CONTAINER INC.	2022361898	GENERAL ELECTRIC TECHNOLOGY GMBH
2022359742	W.R. GRACE & CO.-CONN.	2022361917	HYDRAFACIAL LLC
2022359744	W.R. GRACE & CO.-CONN.; UNIVERSIDAD DEL PAIS VASCO	2022361924	AETHLON MEDICAL, INC.
2022359752	BRAIN F.I.T. IMAGING, LLC	2022361943	THE AUSTRALIAN TURNTABLE COMPANY PTY LTD
2022359757	ERASCA, INC.	2022361945	SPINEX SYSTEMS, INC.
2022359775	THIELE GMBH & CO. KG	2022362034	PEOPLE CENTER, INC.
2022359781	VKR HOLDING A/S	2022362072	SHIFAMED HOLDINGS, LLC
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2022359840	SANDVIK MINING AND CONSTRUCTION OY	2022362107	ANEBULO PHARMACEUTICALS, INC.
2022359841	VIOTHERA LTD	2022362251	HUBBELL INCORPORATED
2022359858	CATERPILLAR INC.	2022362275	VIRENT, INC.
2022359894	CATALYST ORTHOSCIENCE INC.	2022362286	FLAGSHIP PIONEERING INNOVATIONS VI, LLC
2022359895	BAKER HUGHES OILFIELD OPERATIONS LLC	2022362304	ADRENALINEIP
2022359896	MIRATI THERAPEUTICS, INC.	2022362540	PERFO KNOWLEDGY B.V.
2022359915	PRESIDENT AND FELLOWS OF HARVARD COL- LEGE	2022362552	KRONES AKTIENGESELLSCHAFT
2022359931	KRAFT FOODS GROUP BRANDS LLC	2022362630	SYNGENTA CROP PROTECTION AG
2022360022	CARPENTER, M.	2022362640	BIONTECH SE; TRON - TRANSLATIONALE ONKO- LOGIE AN DER UNIVERSITÄTSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITÄT MAINZ GEMEINNÜTZIGE GMBH
2022360046	THINK SURGICAL, INC.	2022362676	NUB TECHNOLOGIES LTD
2022360048	SCHLUMBERGER TECHNOLOGY B.V.	2022362855	VIIV HEALTHCARE UK (NO.5) LIMITED
2022360108	GENMAB A/S; BIONTECH SE; MSD INTERNATIONAL BUSINESS GMBH	2022363172	AM SCIENCES INC; KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY
2022360198	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC RESEARCH INSTITUTE OF PETROLEUM PROCESSING CO., LTD.	2022363227	ARJO IP HOLDING AKTIEBOLAG
2022360205	AMELIO BIOTECH CO., LTD.	2022363229	LIVEARENA TECHNOLOGIES AB
2022360241	GE GRID GMBH	2022363268	BIOMARK CANCER SYSTEMS INC.; THE UNI- VERSITY OF MANITOBA
2022360282	HILDITCH, S.	2022363358	ORLANDO HEALTH, INC.
2022360286	PENCIL BIOSCIENCES LIMITED	2022363516	PULSE IP, LLC
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2022360371	CYTOMX THERAPEUTICS, INC.	2022363646	PREFORMED LINE PRODUCTS CO.
2022360373	DEKA PRODUCTS LIMITED PARTNERSHIP	2022363859	ELIKSA THERAPEUTICS, INC.
2022360455	CLEAN PLANET INC.	2022363929	INVITAE CORPORATION
2022360541	BERKELEY FERMENTATION SCIENCE INC.	2022364013	LAING O'ROURKE PLC
2022360645	ILTOO PHARMA; SORBONNE UNIVERSITE; AS- SISTANCE PUBLIQUE - HÔPITAUX DE PARIS; IN- SERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE)	2022364136	MCINTYRE, M.
2022360762	THOS. BENTLEY & SON LIMITED	2022364172	IMPLENIA SCHWEIZ AG; WALTGALMARINI AG
2022360763	MBDA UK LIMITED	2022364195	REVIVAL BIONICS
2022360817	KYOWA HAKKO BIO CO., LTD.	2022364217	NPL MANAGEMENT LIMITED
2022360830	WASHINGTON UNIVERSITY	2022364506	NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE
2022360851	ANCESTRY.COM OPERATIONS INC.	2022364583	SPINEX SYSTEMS, INC.
2022360859	NEW YORK SOCIETY FOR THE RELIEF OF THE RUPTURED AND CRIPPLED, MAINTAINING THE HOSPITAL FOR SPECIAL SURGERY	2022364701	VANDERBEKEN, O.H.C.D.; VANDERBEKEN, C.J.; VANDERBEKEN, M.A.
2022360976	NEUVIVO, INC.; THE REGENTS OF THE UNI- VERSITY OF CALIFORNIA	2022364731	CYTONUS THERAPEUTICS, INC.
2022361038	SJJ SOLUTIONS B.V.	2022364798	DECIBEL THERAPEUTICS, INC.; REGENERON PHARMACEUTICALS, INC.
2022361048	OMEROS CORPORATION	2022364800	UNM RAINFOREST INNOVATIONS; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS; LIN, H.C.; LIN, D.M.
2022361057	CELLVIE INC.	2022364851	VIRENT, INC.
2022361325	FLOX AB	2022364873	BLACKMORE COMPANY, INC.
2022361327	ORICA INTERNATIONAL PTE LTD		
2022361368	RUST-OLEUM CORPORATION		
2022361488	CYTOVIA THERAPEUTICS, LLC		
2022361492	CYTOMX THERAPEUTICS, INC.		
2022361501	SEQIRUS PTY LTD		
2022361512	BRIDGESTONE CORPORATION		



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2022365034	QINGDAO HANBO PLASTIC TECHNOLOGY CO., LTD.	2022367533	DIGITAL SURGERY SYSTEMS, INC.
2022365080	BEIJING JINGDONG ZHENSHI INFORMATION TECHNOLOGY CO., LTD.	2022367611	INMAGENE PTE. LTD.
2022365100	REMIX THERAPEUTICS INC.	2022367616	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2022365114	MAKITA U.S.A., INC.	2022367734	BASF SE
2022365116	CYTOMX THERAPEUTICS, INC.; AMGEN INC.	2022367794	LUVLY AB
2022365133	CONCEPT TO MEDICINE BIOTECH CO., LTD.	2022367795	PLANTED FOODS AG
2022365174	BROS HOLDING APS	2022367810	INSTITUT QUIMIC DE SARRIA CETS FUNDACIO PRIVADA
2022365280	BIONTECH SE; TRON – TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITÄTSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITÄT MAINZ GEMEINNÜTZIGE GMBH	2022367878	GENOMICS PLC
2022365313	REVIVE ECO LTD	2022367899	RHEACELL GMBH & CO. KG
2022365331	OCADO INNOVATION LIMITED	2022367937	PFIZER INC.
2022365372	LIGALLI B.V.	2022368026	CHIOME BIOSCIENCE INC.
2022365387	UNIVERSITE DE LILLE; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE)	2022368153	NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE
2022365421	BAE SYSTEMS PLC	2022368159	NIPPON STEEL CORPORATION
2022365432	CONQUIP ENGINEERING GROUP	2022368286	LIVEARENA TECHNOLOGIES AB
2022365434	OWLSTONE MEDICAL LIMITED	2022368293	AGRICULTURE VICTORIA SERVICES PTY LTD
2022365471	MOMENTIS SURGICAL LTD.	2022368295	CMTE DEVELOPMENT LIMITED
2022365485	MEDICAL MICROINSTRUMENTS, INC.	2022368297	SPINEX SYSTEMS, INC.
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2022365972	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	2022368359	VITRO FLAT GLASS LLC
2022366138	NEURESCUE APS	2022368391	TORAY INDUSTRIES, INC.
2022366200	ATC PERFORMANCE GMBH	2022368538	HEINEKEN SUPPLY CHAIN B.V.
2022366208	EXELIOM BIOSCIENCES	2022368571	DIMENSIONAL ENERGY, INC.
2022366259	TOPHAT INDUSTRIES LIMITED	2022368654	ADVANCED FUSION SYSTEMS LLC
2022366465	TAGCYX BIOTECHNOLOGIES INC.	2022368800	CHUANG, K.
2022366587	AM SCIENCES INC; KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY	2022368801	SHENZHEN JUMAO UNIVERSE TECHNOLOGY CO., LTD
2022366647	ARJO IP HOLDING AKTIEBOLAG	2022368836	PROSETTA BIOSCIENCES, INC.
2022366683	HOLLISTER INCORPORATED	2022368858	INTRA-CELLULAR THERAPIES, INC.
2022366694	AXON ENTERPRISE, INC.	2022368864	ITERABLE, INC.
2022366697	DG FUELS, LLC	2022368907	UNIVERSITY OF ROCHESTER; UNIVERSITY OF COPENHAGEN
2022366705	OURA HEALTH OY	2022368930	REGENERON PHARMACEUTICALS, INC.
2022366741	WATERDRAPE, LLC	2022369026	LES LABORATOIRES SERVIER
2022366767	TEMPUS LABS, INC.	2022369036	IOMX THERAPEUTICS AG
2022366800	OURA HEALTH OY	2022369045	FRAUSCHER SENSORTECHNIK GMBH
2022366802	PREFORMED LINE PRODUCTS CO.	2022369047	CLEAN CITY SA
2022366817	APPRIA BIO, INC.	2022369058	PHARMA MAR, S.A.
2022366819	THYMMUNE THERAPEUTICS, INC.	2022369095	OXA AUTONOMY LTD
2022366869	TANGO THERAPEUTICS, INC.	2022369126	ENI S.P.A.
2022366879	WESTROCK PACKAGING SYSTEMS, LLC	2022369222	KABUSHIKI KAISHA TOSHIBA; TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION
2022366884	CZ BIOHUB SF, LLC; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2022369260	SYNGENTA CROP PROTECTION AG
2022366885	RESNENT, LLC	2022369278	TAVOTEK BIOTHERAPEUTICS (HONG KONG) LIMITED
2022366936	FLAGSHIP PIONEERING INNOVATIONS V, INC.	2022369290	FLAGSHIP PIONEERING INNOVATIONS VII, LLC
2022366947	BRIDGEBIO GENE THERAPY LLC	2022369312	SYNTHEKINE, INC.
2022366971	TENEOBIO, INC.	2022369353	KOMATSU FOREST AB
2022366972	STEPHENS, E.G.	2022369383	KOMATSU FOREST AB
2022367093	HUAWEI TECHNOLOGIES CO., LTD.	2022369384	LIMAGRAIN EUROPE
2022367098	HUAWEI TECHNOLOGIES CO., LTD.	2022369394	FRAUSCHER SENSORTECHNIK GMBH
2022367116	QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.	2022369434	MARECHAL ELECTRIC
2022367159	BAKER HUGHES OILFIELD OPERATIONS LLC	2022369438	COOPERVISION INTERNATIONAL LIMITED
2022367221	BIOSPLICE THERAPEUTICS, INC.	2022369457	SINOMAB BIOSCIENCE LIMITED
2022367222	BIOSPLICE THERAPEUTICS, INC.	2022369476	ORBITKEY PROJECTS PTY LTD
2022367238	PREFORMED LINE PRODUCTS CO.	2022369491	SHIBUMI SHADE, INC.
2022367277	REVERSE BIOENGINEERING, INC.	2022369503	UPL LIMITED
2022367279	REVERSE BIOENGINEERING, INC.	2022369591	TORAY INDUSTRIES, INC.
2022367285	ZHU, Z.	2022369603	WILSON, N.
2022367363	LOGRHYTHM INC.	2022369608	NEPEAN CONVEYORS PTY LTD
2022367366	ICU MEDICAL, INC.	2022369906	LOCUS SOLUTIONS IPCo, LLC
2022367393	JOHN CRANE UK, LIMITED	2022369907	ADVANCED FUSION SYSTEMS LLC
2022367432	INCYTE CORPORATION	2022369972	OBSIDIAN THERAPEUTICS, INC.
		2022369976	BLOCK, INC.

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2022370042	NEENAH, INC.	2022373550	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC RESEARCH INSTITUTE OF PETROLEUM PROCESSING CO., LTD.
2022370058	XGS ENERGY, INC.	2022373595	INSILICO MEDICINE IP LIMITED
2022370062	VIRIDIAN SPACE CORPORATION	2022373624	ICU MEDICAL, INC.
2022370065	HONEYWELL INTERNATIONAL INC.	2022373653	REGENERON PHARMACEUTICALS, INC.
2022370147	TEWER ENGINEERING, S.L.	2022373670	PROJECT VESTA, PBC
2022370212	ARKEMA FRANCE; VISHAL, P.	2022373744	80 ACRES URBAN AGRICULTURE INC.
2022370226	ADVANCED FUSION SYSTEMS LLC	2022373777	HOVER INC.
2022370260	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022373805	GAZTRANSPORT ET TECHNIGAZ
2022370300	MERSEN FRANCE AMIENS SAS; MERSEN ÖSTER- REICH HITTISAU GES.M.B.H.	2022373901	RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED
2022370304	BAE SYSTEMS PLC	2022373959	FRAUSCHER SENSORTECHNIK GMBH
2022370326	LANDIS+GYR INNOVATIONS, INC.	2022374002	PROJECT PHARMACEUTICS GMBH
2022370351	NURIX THERAPEUTICS, INC.	2022374004	BIONTECH SE
2022370358	STEALTH BIOTHERAPEUTICS INC.	2022374040	JEMELLA LIMITED
2022370385	AZURA OPHTHALMICS LTD.	2022374050	ARTIOS PHARMA LIMITED
2022370436	ZAZZLE INC.	2022374061	PERION NETWORK LTD.
2022370478	STRYKER EUROPEAN OPERATIONS LIMITED	2022374235	BRENOL PTY LTD
2022370483	ASSEMBLY BIOSCIENCES, INC.	2022374263	ZHAOKE (HONG KONG) OPHTHALMOLOGY PHAR- MACEUTICAL LTD.
2022370484	ASSEMBLY BIOSCIENCES, INC.	2022374384	FRIDECO AG
2022370530	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022374405	NICOVENTURES TRADING LIMITED
2022370570	RAYTHEON COMPANY	2022374437	ENODA LTD.
2022370663	NEXTRACKER LLC	2022374463	COOPERVISION INTERNATIONAL LIMITED
2022370699	OSTOVALVE LLC	2022374472	BAE SYSTEMS PLC
2022370748	CHEN, J.	2022374519	KEMIRA OYJ
2022370793	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022374529	BAE SYSTEMS PLC
2022371170	BIOATLA, INC.	2022374617	UPL CORPORATION LIMITED; UPL EUROPE LTD.; MMAG CO., LTD.
2022371180	CEDARS-SINAI MEDICAL CENTER	2022374671	AMADEUS S.A.S.
2022371198	ILLUMINA, INC.	2022374714	PHARMA-DATA S.A.
2022371200	REGENERON PHARMACEUTICALS, INC.	2022374787	ELLENBE GMBH
2022371394	THE REGENTS OF THE UNIVERSITY OF CALIFOR- NIA	2022374793	SUBSEA 7 NORWAY AS
2022371414	UNIVERSITY OF ROCHESTER; UNIVERSITY OF COPENHAGEN	2022374796	FFOQSI GMBH; ÖSTERREICHISCHE AGENTUR FÜR GESUNDHEIT UND ERNÄHRUNGSSICHERHEIT GMBH; LVA GMBH
2022371436	PAIRWISE PLANTS SERVICES, INC.	2022375041	TOPSOE A/S
2022371438	CARGILL, INCORPORATED	2022375051	SB INGENIERIE
2022371471	FATE THERAPEUTICS, INC.	2022375071	BIOGRAIL APS
2022371507	COHERENT BIOPHARMA (SUZHOU) LIMITED	2022375111	BYD COMPANY LIMITED
2022371521	BIOSSION INC.	2022375207	CCLABS PTY LTD
2022371643	LUNG THERAPEUTICS, LLC	2022375208	GENODX PTY LTD
2022371657	POARCH BAND OF CREEK INDIANS, D/B/A PCI GAMING AUTHORITY	2022375217	REUNION NEUROSCIENCE, INC.
2022371664	ENERGY EXPLORATION TECHNOLOGIES, INC.	2022375272	ENSURGE MEDICAL (SUZHOU) CO., LTD.
2022371727	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.	2022375596	CHEVRON U.S.A. INC.
2022371744	SINO-SWED TONGKANG BIO-TECH (SHENZHEN) LIMITED	2022375623	GENVIVO, INC.
2022371908	MORINAGA MILK INDUSTRY CO., LTD.	2022375662	ABIOMED, INC.
2022371995	BASF SE	2022375664	HOLLISTER INCORPORATED
2022372268	PAUL WURTH S.A.	2022375710	REGENERON PHARMACEUTICALS, INC.
2022372298	BASF SE	2022375767	GT MOLECULAR, INC.
2022372325	BIONTECH SE; TRON-TRANSLATIONALE ONKO- LOGIE AN DER UNIVERSITÄTSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITÄT MAINZ GEMEINNÜTZIGE GMBH	2022375772	VERIFONE, INC.
2022372529	METACEN THERAPEUTICS CO., LTD	2022375782	GILEAD SCIENCES, INC.
2022372614	WONDERLAND SWITZERLAND AG	2022375811	SYNATA BIO, INC.
2022372656	FRAUSCHER SENSORTECHNIK GMBH	2022376048	STRYKER CORPORATION
2022372902	CJ CHEILJEDANG CORPORATION	2022376054	KUMIAI CHEMICAL INDUSTRY CO., LTD.
2022372965	GAYLARD, C.	2022376151	SYZYGY PLASMONICS INC.
2022372972	SILICON QUANTUM COMPUTING PTY LIMITED	2022376161	EXTRACT MANAGEMENT COMPANY, LLC
2022372979	HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES	2022376166	LONE GULL HOLDINGS, LTD.
2022372987	PH7 TECHNOLOGIES INC.	2022376426	DONALDSON COMPANY, INC.
2022373323	AMGEN INC.	2022376535	INSMED INCORPORATED
2022373326	MARS, INCORPORATED	2022376557	IMBRIA PHARMACEUTICALS, INC.
2022373360	RAYTHEON COMPANY	2022376673	ZEPHYROS, INC.
2022373362	STRYKER CORPORATION	2022376707	CALIENT TECHNOLOGIES, INC.
		2022376757	INMAGENE PTE. LTD.
		2022376760	HANSOH BIO LLC; SHANGHAI HANSOH BIOMEDIC- AL CO., LTD.; JIANGSU HANSOH PHARMACEUTIC- AL GROUP CO., LTD.
		2022376930	ELI LILLY AND COMPANY
		2022376931	ELI LILLY COMPANY
		2022376938	PRC-DESOTO INTERNATIONAL, INC.
		2022376939	VERASTEM, INC.

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2022376940	ELI LILLY AND COMPANY	2022381210	RALLYBIO IPA, LLC
2022376953	LYELL IMMUNOPHARMA, INC.	2022381220	CYBIN IRL LIMITED
2022376954	GILEAD SCIENCES, INC.	2022381258	TUOJIE BIOTECH (SHANGHAI) CO., LTD.
2022377009	NICOVENTURES TRADING LIMITED	2022381281	SHANGHAI SHEMAR POWER ENGINEERING CO., LTD.
2022377076	DUKE UNIVERSITY; COLD SPRING HARBOR LABORATORY	2022381337	RHODIA OPERATIONS
2022377166	CONOCOPHILLIPS COMPANY	2022381386	NYCO
2022377223	DAMAE MEDICAL	2022381451	SOLVAY SPECIALTY POLYMERS USA, LLC
2022377289	YODLEE, INC.	2022381461	RHODIA OPERATIONS
2022377291	SELIG FRANCE	2022381536	CINCLUS PHARMA HOLDING AB (PUBL)
2022377333	RUSH UNIVERSITY MEDICAL CENTER	2022381556	EISAI R&D MANAGEMENT CO., LTD.
2022377374	GENVIVO, INC.	2022381730	VERASTEM, INC.
2022377400	IONIS PHARMACEUTICALS, INC.	2022381896	CYBER GRANT INC.
2022377637	LYELL IMMUNOPHARMA, INC.	2022381982	HELMHOLTZ ZENTRUM MÜNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH)
2022377852	SHIN-ETSU CHEMICAL CO., LTD.	2022382013	ENDOMAGNETICS LTD.
2022378412	PAUL WURTH S.A.	2022382354	CJ CHEILJEDANG CORPORATION
2022378494	THE GREEN DAIRY SWEDEN HOLDING AB	2022382368	AFFIMED GMBH
2022378524	UCB BIOPHARMA SRL	2022382371	TOPSOE A/S
2022378526	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022382408	BOUNCE ENTERPRISES LLC
2022378558	COLGATE-PALMOLIVE COMPANY	2022382507	CJ CHEILJEDANG CORPORATION
2022378560	GBRS GROUP LLC	2022382557	FROSTPHARMA AB
2022378579	LYELL IMMUNOPHARMA, INC.	2022382571	VERTEX PHARMACEUTICALS INCORPORATED
2022378589	BIOGRAIL APS	2022382658	AVENT, INC.
2022378599	MEDA PHARMA S.P.A	2022382675	SAMSUNG ELECTRONICS CO., LTD.
2022378627	CORN PRODUCTS DEVELOPMENT, INC.; KATECH INGREDIENT SOLUTIONS GMBH	2022382689	FROSTPHARMA AB
2022378641	UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.; ANTEROGEN CO. LTD	2022382805	HENDRICKSON USA, L.L.C.
2022378660	UNIVERSITY OF UTAH RESEARCH FOUNDATION	2022382858	GENESYS CLOUD SERVICES, INC.
2022378670	COOPERVISION INTERNATIONAL LIMITED	2022382896	UNILEVER IP HOLDINGS B.V.
2022378730	RUBHU BIOLOGICS, INC.	2022382946	RADIO FLYER INC.
2022378753	HEALTECH PTY LTD	2022382947	W. L. GORE & ASSOCIATES, INC.
2022378858	INSILICO MEDICINE IP LIMITED	2022382960	MONSANTO TECHNOLOGY LLC
2022378881	UNILEVER GLOBAL IP LIMITED	2022382975	INTELLIA THERAPEUTICS, INC.
2022378932	IMCHECK THERAPEUTICS; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); UNIVERSITÉ D'AIX-MARSEILLE; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT JEAN PAOLI & IRENE CALMETTES; ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE; INSTITUT DE RECHERCHE POUR LE DÉVELOPPEMENT (IRD)	2022383068	ORNA THERAPEUTICS, INC.
2022378955	TOPSOE A/S	2022383151	APPLE INC.
2022378972	KEMIRA OYJ	2022383160	EXELIXIS, INC.
2022378988	NU QUANTUM LTD	2022383170	THOMSON REUTERS ENTERPRISE CENTRE GMBH
2022379089	MITSUBISHI HEAVY INDUSTRIES, LTD.	2022383189	BIRED IMAGING, Inc.
2022379130	KUMIAI CHEMICAL INDUSTRY CO., LTD.	2022383520	CLB ENTWICKLUNGSGESELLSCHAFT MBH
2022379192	LYELL IMMUNOPHARMA, INC.	2022383577	REDX PHARMA PLC
2022379194	ELI LILLY AND COMPANY	2022383744	ENUMITA AS
2022379243	MITSUBISHI TANABE PHARMA CORPORATION	2022383751	FROSTPHARMA AB
2022379451	COOK MEDICAL TECHNOLOGIES LLC	2022383779	ISP INVESTMENTS LLC
2022379455	RUSH UNIVERSITY MEDICAL CENTER	2022383930	ARISTOCRAT TECHNOLOGIES, INC.
2022379477	MERCK SHARP & DOHME LLC	2022384059	MICROSOFT TECHNOLOGY LICENSING, LLC.
2022379490	MCINTYRE, J.	2022384121	ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL)
2022379497	AMGEN INC.	2022384527	INTERNATIONAL N&H DENMARK APS
2022379499	DONALDSON COMPANY, INC.	2022384583	AB ENZYMES GMBH
2022379509	QIOPTIQ LIMITED	2022384633	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.
2022379513	ENCORE MEDICAL, L.P. (d/b/a/ DJO SURGICAL)	2022385068	ASAHI KASEI KABUSHIKI KAISHA
2022379554	ABIOMED, INC.	2022385416	AC IMMUNE SA
2022379933	SOLUGEN, INC.	2022385452	LEFT AG
2022379949	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2022386159	ITRON, INC.
2022380055	MARINE POWER SYSTEMS LIMITED	2022386163	ITRON, INC.
2022380406	TITIN KM BIOMEDICAL CORP.	2022386176	ZODIAC POOL SYSTEMS LLC
2022380562	W. L. GORE & ASSOCIATES, INC.	2022386267	MONSANTO TECHNOLOGY LLC
2022380563	MIRUM PHARMACEUTICALS, INC.	2022386389	WAKE FOREST UNIVERSITY HEALTH SCIENCES
2022380594	GOMEZ, R.A.M.	2022386647	EZ PLACER, LLC
2022380623	FROSTPHARMA AB	2022386686	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.
2022380762	MARS, INCORPORATED	2022386713	TOPSOE A/S
2022380841	REGENERON PHARMACEUTICALS, INC.	2022386716	TECHNISCHE UNIVERSITÄT DRESDEN
2022380912	VITIDORE, INC.	2022387008	XERO LIMITED
2022381173	INTELLIA THERAPEUTICS, INC.	2022387087	VOR BIOPHARMA INC.
		2022387325	POWERHOUSE WIND LIMITED
		2022387406	ILLUMINA, INC.
		2022387501	ITRON, INC.
		2022387591	PAULSEN, G.; BASKEN, D.; MULLER, M.
		2022387792	DACS A/S
		2022388004	KOMATSU LTD.

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2022388189	EISAI R&D MANAGEMENT CO., LTD.	2022398578	UNICHARM CORPORATION
2022388555	AJAX THERAPEUTICS, INC.	2022398619	UNIVERSITY OF MASSACHUSETTS
2022388566	ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL)	2022398899	XERO LIMITED
2022388586	SOLAR MATERIALS GMBH	2022399210	EWALD DÖRKEN AG
2022388741	BOSTON SCIENTIFIC SCIMED, INC.	2022399455	AMGEN INC.
2022389056	ALCON INC.	2022399572	KURA ONCOLOGY, INC.
2022389057	ALCON INC.	2022399860	TRACK MACHINES CONNECTED GESELLSCHAFT M.B.H.
2022389197	PIONEER HI-BRED INTERNATIONAL, INC.	2022399881	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022389334	ALCON INC.	2022400171	INTERNATIONAL N&H DENMARK APS
2022389418	WINPLUS CO., LTD.	2022400676	HOLLISTER INCORPORATED
2022389444	MERCK SHARP & DOHME LLC	2022400924	IMMUNITYBIO, INC.
2022389472	LITTER LOCK PTY LTD	2022401152	PULSEMEDICA CORP.
2022389511	LONG BAMBOO TECHNOLOGY GROUP CO.,LTD.	2022402319	UCB BIOPHARMA SRL; BIOGEN MA INC
2022389655	SAIPEM S.A.	2022402329	DOKA GMBH
2022389664	ALCON INC.	2022402399	HENKEL AG & CO. KGAA
2022389969	GENENTECH, INC.	2022402487	ALCON INC.
2022390012	SURGE THERAPEUTICS, INC.	2022403203	PFIZER INC.
2022390206	ALCON INC.	2022403540	ZEBRA TECHNOLOGIES CORPORATION
2022390207	ALCON INC.	2022403968	EVE STREET DESIGNS PTY LTD.
2022390435	SCHNEIDER ELECTRIC SYSTEMS USA, INC.; EUR-OTHERM AUTOMATION SAS	2022404566	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022390672	IPSEN BIOPHARM LIMITED	2022404691	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022390674	ALCON INC.	2022404695	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022390675	ALCON INC.	2022404760	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022391170	PRECISION PLANTING LLC	2022406144	MEPSGEN CO., LTD.
2022391351	CHINA ELECTRIC POWER RESEARCH INSTITUTE	2022407332	CARIBOU BIOSCIENCES, INC.
2022391637	SPAN TECH LLC	2022407338	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022391699	PIONEER HI-BRED INTERNATIONAL, INC.	2022407414	GREEN MANUFACTURING, INC.
2022392070	SUNTORY HOLDINGS LIMITED	2022407426	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022392458	IPSEN BIOPHARM LIMITED	2022407868	ALCON INC.
2022392464	ALCON INC.	2022407963	URTESTE S.A.
2022392731	IFP ENERGIES NOUVELLES	2022408530	TORAY INDUSTRIES, INC.
2022392750	SYNGENTA CROP PROTECTION AG	2022409635	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022392804	MIROBIO LIMITED	2022409637	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022392822	ASTRAZENECA UK LIMITED; DAIICHI SANKYO COMPANY, LIMITED	2022410620	AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS
2022393093	TRUMA GERÄTE TECHNIK GMBH & CO. KG	2022410778	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022393117	IFP ENERGIES NOUVELLES	2022410785	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022393131	KWS SAAT SE & CO. KGAA	2022410890	DANA-FARBER CANCER INSTITUTE, INC.
2022393258	ALCON INC.	2022411856	KONGSBERG MARITIME AS
2022393287	JANSSEN BIOTECH, INC.; OHIO STATE INNOVATION FOUNDATION	2022412721	SAMSUNG ELECTRONICS CO., LTD.
2022393513	BOSTON SCIENTIFIC SCIMED INC.	2022413399	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022393769	TECHNISCHE UNIVERSITÄT MÜNCHEN	2022413407	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022393927	ALCON INC.	2022413931	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022393991	LANXESS DEUTSCHLAND GMBH	2022415313	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022394107	ALCON INC.	2022416398	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022394108	ALCON INC.	2022417488	BOSTON SCIENTIFIC SCIMED, INC.
2022394450	MICROPORT ORTHOPEDICS HOLDINGS INC.	2022418966	STÄUBLI ELECTRICAL CONNECTORS AG
2022394462	DISC MEDICINE, INC.; ABBVIE DEUTSCHLAND GMBH & CO. KG; ABBVIE INC.	2022419398	KORY DUBAY MANUFACTURING AUSTRALIA PTY LTD
2022394754	LEIBNIZ-INSTITUT FÜR PLASMAFORSCHUNG UND TECHNOLOGIE E.V.	2022419493	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022394967	DISNEY ENTERPRISES, INC.	2022420630	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022395738	BYD COMPANY LIMITED	2022421051	BIONTECH SE
2022395939	CASBIO (S) PTE LTD	2022421153	ALCON INC.
2022396128	THI TOTAL HEALTHCARE INNOVATION S.R.L.	2022421675	FBD BIOLOGICS LIMITED
2022396191	PEREZ, M.; PEREZ, T.I.; MIZRAHI, H.	2022421706	MAKO SURGICAL CORP.
2022396533	METAGENOMI, INC.	2022422133	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022396534	ENERGIZER BRANDS, LLC	2022422172	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022396896	UNICHARM CORPORATION	2022423715	PRAYON
2022397497	HILTI AKTIENGESELLSCHAFT	2022424980	HALLIBURTON ENERGY SERVICES, INC.
2022397531	GUJARAT FLUORO CHEMICALS LIMITED		
2022397550	UNIVERSITÄT BASEL; UNIVERSITEIT GENT		
2022397820	RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.		
2022397890	NAVIGO PROTEINS GMBH		
2022397914	NEOPHORE LIMITED		
2022398138	BS ENGINEERING APS		
2022398208	SOCIETE DES PRODUITS NESTLE SA		
2022398334	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA		
2022398373	NEOPHORE LIMITED		

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2022425162	CATERPILLAR GLOBAL MINING EQUIPMENT LLC
2022426154	BYD COMPANY LIMITED
2022430279	GLOBERIDE, INC.
2022433486	MITSUBISHI ELECTRIC CORPORATION
2022434677	HARBIN MEDISAN PHARMACEUTICAL CO., LTD.
2022435438	HERMSEN, F.J.
2022440630	VALD PTY LTD
2022447568	HALLIBURTON ENERGY SERVICES, INC.
2022450360	RIGETTI & CO, LLC
2022459996	BEIJING JINGKELUN ENGINEERING DESIGN AND RESEARCH INSTITUTE CO., LTD.
2022461424	QINGDAO UNIVERSITY OF TECHNOLOGY
2022463049	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.
2022463052	XIAMEN XIRUI IMP&EXP CO., LTD.
2022473117	BEIJING NATON MEDICAL TECHNOLOGY HOLDINGS CO., LTD.
2022475866	COMANCHE GAS SOLUTIONS LLC
2023209540	SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.; CHANGZHOU HANSOH PHARMACEUTICAL CO., LTD.
2023210266	BOSTON SCIENTIFIC SCIMED, INC.
2023212002	GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.
2023213622	MITSUBISHI CHEMICAL AMERICA, INC.
2023213740	EVOQUA WATER TECHNOLOGIES LLC
2023214909	NISSHIN SEIFUN GROUP INC.; NISSHIN FLOUR MILLING INC.; NISSHIN SEIFUN WELNA INC.; NISSHIN SEIFUN PREMIX INC.; ORIENTAL YEAST CO.,LTD.
2023222920	KOREA ZINC CO., LTD.
2023222922	KOREA ZINC CO., LTD.
2023237173	CHINA TIN NONFERROUS METALS CO., LTD.; CHINA TIN GROUP CO., LTD.
2023246287	LG ENERGY SOLUTION, LTD.
2023246959	FEPOD OY LTD
2023246960	FEPOD OY LTD
2023249317	SANDVIK MINING AND CONSTRUCTION OY
2023251557	CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU USURE MINING TECHNOLOGY CO., LTD
2023254942	PETROLEO BRASILEIRO S.A. - PETROBRAS
2023279782	GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD.; MIDEA GROUP CO., LTD.
2023281744	GUANGDONG MIDEA KITCHEN APPLIANCES MANUFACTURING CO., LTD.; MIDEA GROUP CO., LTD.
2023287051	PANGANG GROUP PANZHUIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD.
2023306957	SUBLUE UNDERWATER AI CO., LTD.
2023336073	QUAD S CONTROLS PTY LTD
2023339437	GINLONG TECHNOLOGIES CO., LTD.
2023339759	GINLONG TECHNOLOGIES CO., LTD.
2023344235	LG ENERGY SOLUTION, LTD.
2023348038	GINLONG TECHNOLOGIES CO., LTD.

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2022341128	<b>A01H 5 /-</b>	2022354673	2022359931	2022393991	2022374040
<b>A01B 39 /-</b>	2022386267	2022359030	<b>A23C 9 /-</b>	<b>A23L 33 /-</b>	<b>A45D 24 /-</b>
2022389197	2022389197	2022362630	2022384527	2021468103	2022382408
2021354932	<b>A01H 6 /-</b>	2022367810	<b>A23F 5 /-</b>	2022371908	<b>A45F 3 /-</b>
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2021354932	2022353115	2022374617	<b>A23G 1 /-</b>	2022373326	2022463052
<b>A01B 76 /-</b>	2022389197	2022376054	2022349821	2022384527	<b>A45F 5 /-</b>
2021354932	<b>A01K 1 /-</b>	2022379130	<b>A23G 9 /-</b>	2022392070	2022369476
<b>A01B 79 /-</b>	2021472882	2022392750	2022382896	<b>A23L 7 /-</b>	<b>A46B 9 /-</b>
2021354932	2021473129	<b>A01N 47 /-</b>	<b>A23J 1 /-</b>	2023214909	2022382408
<b>A01C 1 /-</b>	<b>A01K 13 /-</b>	2022354673	2022362676	<b>A23P 10 /-</b>	<b>A47B 13 /-</b>
2022371436	2022368801	<b>A01N 57 /-</b>	<b>A23J 3 /-</b>	2022378627	2022352465
2022376054	2022382408	2022359030	2022367795	<b>A23P 30 /-</b>	<b>A47B 33 /-</b>
2022379130	<b>A01K 55 /-</b>	2022369503	2022378627	2021468103	2022352465
<b>A01C 7 /-</b>	2022354476	<b>A01N 63 /-</b>	<b>A23K 10 /-</b>	<b>A24B 7 /-</b>	<b>A47B 37 /-</b>
2022391170	<b>A01K 87 /-</b>	2022349828	2022353622	2022363523	2022352465
<b>A01D 34 /-</b>	2022430279	2022378730	2022372529	<b>A24F 40 /-</b>	<b>A47J 31 /-</b>
2021469663	<b>A01K 97 /-</b>	2022391699	2022373326	<b>A41D 1 /-</b>	2022348896
2022346606	2022430279	<b>A01P 13 /-</b>	2022375811	2022354304	2022358678
<b>A01D 67 /-</b>	<b>A01M 21 /-</b>	2022369260	2022382354	2022358637	2022422172
2021469663	2021354932	2022369503	2022382507	<b>A41D 13 /-</b>	<b>A47J 42 /-</b>
<b>A01D 7 /-</b>	<b>A01M 29 /-</b>	<b>A01P 17 /-</b>	<b>A23K 20 /-</b>	2021464571	2022363523
2022341128	2022359437	2022377852	2022353622	2022346177	<b>A47K 11 /-</b>
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2022368293	<b>A01N 1 /-</b>	2022377852	2022398208	2022358637	<b>A47L 11 /-</b>
2022371436	2022367899	<b>A01P 3 /-</b>	<b>A23K 50 /-</b>	2022396128	2022355831
<b>A01G 23 /-</b>	<b>A01N 25 /-</b>	2022376054	2022353622	<b>A41D 31 /-</b>	<b>A47L 13 /-</b>
2022369353	2022354673	2022379130	2022373326	2022376673	2021468754
2022369383	2022362630	<b>A01P 7 /-</b>	2022398208	<b>A42B 1 /-</b>	<b>A47L 15 /-</b>
2022407414	2022369260	2022373901	<b>A23L 11 /-</b>	2022396128	2022352465
<b>A01G 31 /-</b>	2022373901	2022374617	<b>A23L 13 /-</b>	<b>A42B 3 /-</b>	<b>A47L 7 /-</b>
2022364873	2022376054	2022377852	2022362676	2022376673	2022355831
2022373744	2022379130	<b>A21D 2 /-</b>	2022378494	<b>A43B 23 /-</b>	<b>A61B 1 /-</b>
<b>A01G 7 /-</b>	<b>A01N 27 /-</b>	2023214909	<b>A23L 2 /-</b>	2022376673	2022350279
2022368293	2022377852	<b>A21D 8 /-</b>	2022358678	2022396128	2022361522
<b>A01G 9 /-</b>	<b>A01N 35 /-</b>	202237852	2022360541	<b>A44B 15 /-</b>	2022365471
2022364873	2022377852	<b>A22B 3 /-</b>	2022393991	2022369476	2022366885
2022373744	<b>A01N 37 /-</b>	2022371438	<b>A23L 29 /-</b>	<b>A45C 11 /-</b>	
<b>A01H 1 /-</b>	2022345173	<b>A23B 7 /-</b>	2021468103	2022369476	
2022386267	2022362630	2022362540	2022359931		
2022393131	<b>A01N 39 /-</b>				
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2021464430	2022382557	2022392464	2022365100	2022365594	2022350419
2022371180	2022382689	2022393258	2022365434	2022366208	2022350653
	2022383751	2022393927	2022365972	2022366817	2022350815
	2022400676	2022394107	2022366465	2022366819	2022352157
<b>A61B 17 /-</b>		2022394108	2022366587	2022367527	2022355381
2022346921	<b>A61B 6 /-</b>	2022401152	2022367221	2022367899	2022356800
2022348556	2022356262	2022407868	2022367222	2022371414	2022358565
2022352665			2022367432	2022371471	2022358966
2022359894	<b>A61B 8 /-</b>	<b>A61G 13 /-</b>	2022368858	2022371908	2022360108
2022361917	2022366138	2022363358	2022369026	2022372529	2022360371
2022362072			2022369058	2022374787	2022360645
2022364998	<b>A61B 90 /-</b>	<b>A61G 15 /-</b>	2022370484	2022376757	2022361501
2022366138	2021471764	2022369603	2022371507	2022377637	2022361653
2022370478	2022352665		2022371727	2022379455	2022361743
2022373362	2022365471	<b>A61H 33 /-</b>	2022373595	2022379949	2022362640
2022375272	2022367533		2022374002	2022382571	2022365133
2022382013	2022370478	2022378753	2022374050	2022386389	2022365280
2022394450	2022382013		2022374714		2022365387
<b>A61B 18 /-</b>		<b>A61H 9 /-</b>	2022374787	<b>A61K 36 /-</b>	2022366208
2022355064	<b>A61D 1 /-</b>	2022375217	2022375217	2022373326	2022366884
	2022346921	2022375623	2022375782	2022378599	2022366971
<b>A61B 3 /-</b>		2022375782	2022376557		2022367285
2022378670	<b>A61F 13 /-</b>	2022376557	2022376760	<b>A61K 38 /-</b>	2022367611
2022389056	2022396896	2022376939	2022376939	2022341534	2022367937
2022389334	2022398578	2022377076	2022377076	2022347024	2022368026
2022390674		2022377400	2022377400	2022348080	2022368930
2022392464	<b>A61F 2 /-</b>	2022378641	2022378641	2022350407	2022371170
2022393258	2022348556	2022378660	2022378660	2022354451	2022371521
2022401152	2022360859	2022378858	2022378858	2022355496	2022374004
<b>A61B 34 /-</b>	2022362072	2022379243	2022379243	2022359382	2022376757
2021471764	2022364195	2022379477	2022379477	2022359841	2022376931
2022360046	2022365594	2022381220	2022381220	2022359841	2022377374
2022360859	2022379513	2022381258	2022381258	2022359915	2022378730
2022365471	2022384121	2022381536	2022381536	2022360371	2022378932
2022367533	2022388566	2022381730	2022381730	2022360645	2022379949
2022382658	2022394450	2022383160	2022383160	2022361048	2022381556
2022421706	2022402487	2022383577	2022383577	2022361492	2022389969
<b>A61B 5 /-</b>	2022417488	2022385416	2022385416	2022363859	2022392804
2021464430	2022421153	2022385555	2022385555	2022366947	2022392822
2021465518	2022473117	2022392070	2022392070	2022367277	2022394462
2021466326	2023210266	2022392822	2022392822	2022367279	2022400924
2022345089	<b>A61F 5 /-</b>	2022397914	2022397914	2022367810	2022402319
2022349466	2022366683	2022398373	2022398373	2022368299	2022420630
2022353817	2022370699	2022398619	2022398619	2022368800	
2022359715	2022375664	2022399572	2022399572	2022369312	<b>A61K 41 /-</b>
2022359752	2022400676	2022403203	2022403203	2022370358	2022346232
2022360830	<b>A61F 6 /-</b>	2022404695	2022404695	2022371643	
2022361849	2022366683	2022406144	2022406144	2022374263	<b>A61K 45 /-</b>
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2022363358	2022375664	2022415313	2022415313	2022375623	2022356800
2022364136	2022400676	2022434677	2022434677	2022383744	2022363859
2022366694	<b>A61F 7 /-</b>	2023209540	2023209540	2022390012	2022366208
2022366705	2022374787			2022390672	2022368026
2022366800	<b>A61F 9 /-</b>	<b>A61K 33 /-</b>		2022392458	2022379455
2022371180	2022380562	2022349859	2022349859	2022398334	2022381730
2022376048	2022382947	2022356800	2022356800	2022406144	2022415313
2022378670	2022389057	2022360976	2022360976	2022421675	
2022382013	2022389334	<b>A61K 35 /-</b>		<b>A61K 39 /-</b>	<b>A61K 47 /-</b>
2022383189	2022389664	2021465518	2021465518	2021465518	2021464980
2022422133	2022390206	2021470029	2021470029	2021470029	2022333823
<b>A61B 50 /-</b>	2022390207	2022356489	2022356489	2022336191	2022345316
2022370478	2022390674	2022358772	2022358772	2022337951	2022346232
		2022361057	2022361057	2022341315	2022346534
		2022361488	2022361488	2022347132	2022347024
		2022362077	2022362077	2022347193	2022348349
		2022362079	2022362079	2022347195	2022350588
		2022363859	2022363859	2022348074	2022352912
		2022364731	2022364731	2022348080	2022356489
				2022348349	2022357338

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2022359823		<b><u>A61M 35 /-</u></b>	2022359382		
2022359915	2021465537		2022362077	2022347792	<b><u>A61P 33 /-</u></b>
2022362855	2022366741	2022360282	2022365519	2022359382	
2022363268		2022361917	2022366465	2022366465	2022361743
2022365519	<b><u>A61L 24 /-</u></b>		2022371643	2022370358	
2022366465		<b><u>A61M 37 /-</u></b>	2022390672	2022370385	<b><u>A61P 35 /-</u></b>
2022366884	2022398334		2022403203	2022371414	
2022371507		2022361917	2022415313	2022374263	2022341534
2022374002	<b><u>A61L 27 /-</u></b>			2022376760	2022341942
2022374714		<b><u>A61M 39 /-</u></b>	<b><u>A61P 15 /-</u></b>		2022343188
2022378730	2022363516		2022366465	<b><u>A61P 29 /-</u></b>	2022343903
2022383068	2022365594	2022410778	2022390672		2022344595
2022390012	<b><u>A61L 31 /-</u></b>			2021469614	2022345314
2022402319		<b><u>A61M 5 /-</u></b>	<b><u>A61P 17 /-</u></b>	2022350419	2022345316
	2022345089	2022357987		2022352157	2022346232
<b><u>A61K 48 /-</u></b>	2022363516	2022359014	2021469614	2022358921	2022346534
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2022364798	<b><u>A61L 9 /-</u></b>	2022366138	2022367279	2022368299	2022349662
2022366947		2022367366	2022370385	2022370351	2022350407
2022367277	2022366741	2022373624	2022373333	2022374787	2022350419
2022367527		2022375071	2022379455	2022377333	2022350588
2022379455	<b><u>A61M 1 /-</u></b>	2022378589		2022379477	2022350815
2022380841		2022382689	<b><u>A61P 19 /-</u></b>	2022383577	2022351219
2022382975	2022352665	2022399455		2022390672	2022354451
	2022360830		2021464980	2022392458	2022355381
<b><u>A61K 51 /-</u></b>	2022361924	<b><u>A61M 60 /-</u></b>	2022365594		2022355496
	2022376048		2022366465	<b><u>A61P 3 /-</u></b>	2022356800
	2022409635	2022379554	2022374787		2022357085
2022385416	2022409637	2022393513		2022339059	2022358565
2022393769	2022410778		<b><u>A61P 21 /-</u></b>	2022341315	2022358772
	2022410785	<b><u>A61N 1 /-</u></b>		2022347193	2022358921
<b><u>A61K 8 /-</u></b>	2022413399		2022360976	2022357338	2022359757
	2022413407	2022360830		2022359382	2022360108
2021465537	2022413931		<b><u>A61P 25 /-</u></b>	2022365100	2022360205
2022345171	2022416398	<b><u>A61N 5 /-</u></b>		2022365100	2022360371
2022346177	2022419493	2022356262	2021465518	2022366465	2022361048
2022360762			2022341534	2022367221	2022361492
2022361758	<b><u>A61M 11 /-</u></b>	<b><u>A61P 1 /-</u></b>	2022345066	2022367222	2022362079
2022378558			2022345071	2022376557	2022363268
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2022400171		2022347024	2022356047	2022378599	2022365133
	<b><u>A61M 13 /-</u></b>	2022359823	2022357103	2022378858	2022365387
<b><u>A61K 9 /-</u></b>		2022362855	2022357572	2022403203	2022365387
	2022379451	2022364800	2022359382	2022434677	2022365434
2021464980		2022366465	2022360976		2022366208
2022333823	<b><u>A61M 15 /-</u></b>	2022368800	2022362107	<b><u>A61P 31 /-</u></b>	2022366817
2022341440		2022371643	2022365100	2021470029	2022366869
2022345089	2022351248	2022374002	2022366465	2022333823	2022367221
2022345094		2022378524	2022367221	2022336191	2022367222
2022348349	<b><u>A61M 16 /-</u></b>	2022380563	2022367222	2022347195	2022367432
2022354253		2022381536	2022368858	2022348074	2022367611
2022359426	2021466326	2022390672	2022371170	2022350653	2022368026
2022359823	2021467209	2022392070	2022371414	2022352157	2022369058
2022359915	2022361522	2022403203	2022371908	2022353486	2022369278
2022361756	<b><u>A61M 21 /-</u></b>		2022372529	2022354451	2022369312
2022362855		<b><u>A61P 11 /-</u></b>	2022375217	2022356489	2022370351
2022363268	2022360830		2022376930	2022357226	2022371471
2022365372	2022387591	2022333823	2022376931	2022360330	2022371507
2022366936		2022345094	2022376940	2022361501	2022371521
2022371414	<b><u>A61M 25 /-</u></b>	2022351219	2022376940	2022363172	2022371727
2022374002		2022356047	2022378660	2022365100	2022373595
2022374263	2022350070	2022365100	2022378858	2022366587	2022374050
2022374714	2022352665	2022367527	2022379194	2022367937	2022375623
2022374787	2022375662	2022371643	2022379243	2022368836	2022375782
2022378599	2022382658	2022376535	2022379477	2022370483	2022376931
2022378627	2022408530	202240695	2022381220	2022370484	2022376939
2022378730	<b><u>A61M 31 /-</u></b>		2022381556	2022374004	2022376954
2022382975		<b><u>A61P 13 /-</u></b>	2022390672	2022377333	2022377637
2022383068	2022345089		2022392070	2022378641	2022378858
2022406144	2022375071	2022356047	2022406144	2022378932	2022379949
	2022378589		2023209540	2022379455	2022381730



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2022382368	2022376557	<b><u>A63B 23 /-</u></b>	<b><u>B01D 63 /-</u></b>	<b><u>B01J 37 /-</u></b>	<b><u>B08B 15 /-</u></b>
2022383577	2022378858				
2022388555	2022381258	2022380406	2022409635	2022373550	2022365174
2022390012	2022403203		2022409637		
2022392822	2022434677	<b><u>A63B 24 /-</u></b>	2022413399	<b><u>B01J 8 /-</u></b>	<b><u>B09B 3 /-</u></b>
2022397890			2022413407		
2022397914	<b><u>A61Q 11 /-</u></b>	2022359539	2022416398	2022344073	2022352384
2022398373				2022368571	2022368654
2022399572	2022378558	<b><u>A63B 26 /-</u></b>	<b><u>B01D 67 /-</u></b>	2022370226	
2022410890	2022383779			2022372979	<b><u>B09C 1 /-</u></b>
2022421675		2022348898	2022354595	2022421051	
	<b><u>A61Q 13 /-</u></b>	<b><u>A63B 69 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B01L 1 /-</u></b>	2022348073
<b><u>A61P 37 /-</u></b>	2022345171	2022341128	2022354595	2022421051	<b><u>B21F 23 /-</u></b>
2022352157	<b><u>A61Q 19 /-</u></b>	2022359539			2022364013
2022356047			<b><u>B01D 71 /-</u></b>	<b><u>B02C 17 /-</u></b>	
2022358565	2021465537	<b><u>A63B 71 /-</u></b>	2022354595	2021466603	<b><u>B21K 21 /-</u></b>
2022360645	2022346177		2022371664	2022349809	2022352990
2022361048	2022360762	2022359539			
2022362079	2022400171	<b><u>A63F 13 /-</u></b>	<b><u>B01D 9 /-</u></b>	<b><u>B02C 18 /-</u></b>	<b><u>B22F 1 /-</u></b>
2022365100					
2022366465	<b><u>A61Q 5 /-</u></b>	2022383930	2022359896	2022407414	2022367734
2022369457					2022379089
2022369972	2022360762	<b><u>B01D 1 /-</u></b>	<b><u>B01F 21 /-</u></b>	<b><u>B02C 23 /-</u></b>	
2022370351					<b><u>B22F 10 /-</u></b>
2022371414	<b><u>A62B 17 /-</u></b>	2021467507	2022348896	2021466603	
2022371507					2022367734
2022373326	2022396128	<b><u>B01D 11 /-</u></b>	<b><u>B01F 23 /-</u></b>	<b><u>B02C 7 /-</u></b>	
2022374263					<b><u>B22F 3 /-</u></b>
2022374787	<b><u>A62B 18 /-</u></b>	2022372987	2022345173	2022407414	2022367734
2022379455					
2022389969	2022349165	<b><u>B01D 15 /-</u></b>	<b><u>B01F 25 /-</u></b>	<b><u>B03B 9 /-</u></b>	<b><u>B22F 5 /-</u></b>
2022392804					2022367734
2022421675	<b><u>A62B 23 /-</u></b>	2021468488	2022345173	2021466603	
2022434677	2022349165	2022359021			2022367734
	<b><u>A62B 7 /-</u></b>	2022359896	<b><u>B01J 19 /-</u></b>	<b><u>B03D 1 /-</u></b>	<b><u>B22F 7 /-</u></b>
<b><u>A61P 39 /-</u></b>		2022361768			
2022365100	2022349165	2022361924	2022345173	2022342271	2022367734
	<b><u>A62C 3 /-</u></b>	<b><u>B01D 21 /-</u></b>	2022366741		
<b><u>A61P 43 /-</u></b>			2022368571	<b><u>B04C 5 /-</u></b>	<b><u>B22F 9 /-</u></b>
2022333823	2022459996	2022364731	2022368654	2021466603	2022379089
2022352157			2022369907		
2022353486	<b><u>A62C 35 /-</u></b>	<b><u>B01D 39 /-</u></b>	2022370147	<b><u>B05B 11 /-</u></b>	<b><u>B23C 5 /-</u></b>
2022353839			2022370226		
2022356800	2022335137	2022376426	2022371995	2022351248	2022407414
2022365594			2022376151	2022361368	
2022368026	<b><u>A62D 1 /-</u></b>	<b><u>B01D 5 /-</u></b>	2022421051		
2022370483				<b><u>B05B 12 /-</u></b>	<b><u>B23D 61 /-</u></b>
2022378660	2022379933	2021467507		2022396191	2022407414
2022379243			<b><u>B01J 21 /-</u></b>		
2022392070	<b><u>A62D 3 /-</u></b>	<b><u>B01D 53 /-</u></b>		<b><u>B05B 15 /-</u></b>	<b><u>B23H 7 /-</u></b>
			2022366741	2022351248	2022365485
<b><u>A61P 5 /-</u></b>	2022360541	2021467507	<b><u>B01J 23 /-</u></b>		
2022341315		2022356281		<b><u>B05B 5 /-</u></b>	<b><u>B23H 9 /-</u></b>
2022355700	<b><u>A63B 102 /-</u></b>	2022371394	2022379089	2022373901	2022365485
		2022373670			
<b><u>A61P 7 /-</u></b>	2022359539	2022378412	<b><u>B01J 27 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B23K 101 /-</u></b>
2022356047		2022379499	2022373550	2022365034	2022374529
2022368299	<b><u>A63B 17 /-</u></b>	2022386686			
2022394462			<b><u>B01J 29 /-</u></b>	<b><u>B05B 9 /-</u></b>	<b><u>B23K 37 /-</u></b>
2022398334	<b><u>A63B 21 /-</u></b>	<b><u>B01D 57 /-</u></b>		2022365034	2022374529
			2022359744		
<b><u>A61P 9 /-</u></b>	2022348898	2022373670	2022360198	<b><u>B05B 9 /-</u></b>	<b><u>B23K 37 /-</u></b>
2022356047	2022380406		2022373550	2022365034	2022374529
2022365100	<b><u>A63B 22 /-</u></b>	<b><u>B01D 61 /-</u></b>	<b><u>B01J 35 /-</u></b>	<b><u>B08B 1 /-</u></b>	<b><u>B23P 19 /-</u></b>
2022365972				2021464620	2022384121
2022366465	2022348898	2021468488	2022370147		
2022369026		2022354595	2022373550		
		2022361924	2022376151		
		2022371664	2022379089		

PCT applications which have entered the National Phase - IPC Index cont'd

<b><u>B23Q 15 /-</u></b>	<b><u>B27K 9 /-</u></b>	<b><u>B33Y 40 /-</u></b>	<b><u>B60L 8 /-</u></b>	<b><u>B62D 21 /-</u></b>	<b><u>B65B 7 /-</u></b>
2022419398	2022389511	2022356775	2022344862	2022367794	2022399455
<b><u>B24B 27 /-</u></b>	<b><u>B27M 3 /-</u></b>	<b><u>B33Y 80 /-</u></b>	<b><u>B60M 1 /-</u></b>	<b><u>B62D 27 /-</u></b>	<b><u>B65C 3 /-</u></b>
2022419398	2022383520	2022354304 2022358637	2022425162	2022367794	2022362552
<b><u>B24B 41 /-</u></b>	<b><u>B28B 23 /-</u></b>	<b><u>B41J 15 /-</u></b>	<b><u>B60M 7 /-</u></b>	<b><u>B62D 29 /-</u></b>	<b><u>B65D 1 /-</u></b>
2022419398	2022364013	2021471632	2022425162	2022367794	2022389444
<b><u>B24B 49 /-</u></b>	<b><u>B28D 1 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B60N 2 /-</u></b>	<b><u>B62K 11 /-</u></b>	<b><u>B65D 25 /-</u></b>
2022419398	2021468870	2021471632	2021469663	2022347113	2022348896
<b><u>B24B 51 /-</u></b>	<b><u>B29B 17 /-</u></b>	<b><u>B60B 1 /-</u></b>	<b><u>B60P 3 /-</u></b>	<b><u>B62M 29 /-</u></b>	<b><u>B65D 41 /-</u></b>
2022419398	2022364701	2022360022	2021342845 2022369353 2022398138	2022341128	2022377291
<b><u>B24D 11 /-</u></b>	<b><u>B29C 33 /-</u></b>	<b><u>B60B 27 /-</u></b>	<b><u>B60S 13 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>B65D 43 /-</u></b>
2022370042	2022421153	2022360022	2022361943	2022411856	2022382689
<b><u>B25B 11 /-</u></b>	<b><u>B29C 45 /-</u></b>	<b><u>B60B 33 /-</u></b>	<b><u>B60S 5 /-</u></b>	<b><u>B63B 35 /-</u></b>	<b><u>B65D 47 /-</u></b>
2022352465	2022380623 2022382689 2022383751	2022382946	2022363227	2022370226	2022382557
<b><u>B25H 3 /-</u></b>	<b><u>B29C 63 /-</u></b>	<b><u>B60B 9 /-</u></b>	<b><u>B60W 30 /-</u></b>	<b><u>B63B 45 /-</u></b>	<b><u>B65D 5 /-</u></b>
2022365114	2022346793	2022360022	2022344862	2022354957	2022358845 2022359781
<b><u>B25J 11 /-</u></b>	<b><u>B29C 64 /-</u></b>	<b><u>B60C 1 /-</u></b>	<b><u>B61L 1 /-</u></b>	<b><u>B63H 16 /-</u></b>	<b><u>B65D 51 /-</u></b>
2022418966	2022354304 2022356775 2022358637	2022358764	2022373959	2022341128	2022348896
<b><u>B25J 15 /-</u></b>	<b><u>B29D 11 /-</u></b>	<b><u>B60K 6 /-</u></b>	<b><u>B61L 19 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>B65D 53 /-</u></b>
2022364013 2022365331 2022366879	2022421153	2022344862	2022373959	2022361325	2022377291
<b><u>B25J 19 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60K 7 /-</u></b>	<b><u>B61L 21 /-</u></b>	<b><u>B64D 15 /-</u></b>	<b><u>B65D 65 /-</u></b>
2022418966	2022354304	2022360022	2022373959	2022355493	2022348898
<b><u>B25J 5 /-</u></b>	<b><u>B30B 1 /-</u></b>	<b><u>B60L 1 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>B65D 77 /-</u></b>
2022418966	2022384121 2022388566	2021475012	2022359437 2022399860	2022370062	2022358845 2022361593
<b><u>B25J 9 /-</u></b>	<b><u>B32B 15 /-</u></b>	<b><u>B60L 5 /-</u></b>	<b><u>B61L 25 /-</u></b>	2022369383	<b><u>B65D 81 /-</u></b>
2022418966	2022377291	2023249317	2022399860	<b><u>B65B 13 /-</u></b>	2022348896 2022362540
<b><u>B27C 1 /-</u></b>	<b><u>B32B 21 /-</u></b>	<b><u>B60L 50 /-</u></b>	<b><u>B61L 5 /-</u></b>	2022362552	<b><u>B65D 83 /-</u></b>
2022346657	2022370212	2021475012 2022359858 2022369353 2023249317	2022369045 2022369394 2022372656 2022373959	<b><u>B65B 25 /-</u></b>	2021464571 2022361368
<b><u>B27G 3 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B60L 53 /-</u></b>	<b><u>B62B 3 /-</u></b>	2022362540	<b><u>B65D 85 /-</u></b>
2022346657	2022377291	2022369047 2022369353 2022418966	2022349437	<b><u>B65B 27 /-</u></b>	<b><u>B65D 85 /-</u></b>
<b><u>B27H 1 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B60L 58 /-</u></b>	<b><u>B62B 5 /-</u></b>	2022362552	2022358845 2022359781 2022361593 2022362540 2022399881 2022404566 2022404691
2022383520	2021467739 2022364985 2022377291	2022359858	2022349437	<b><u>B65B 31 /-</u></b>	
<b><u>B27J 1 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B60L 7 /-</u></b>	<b><u>B62B 9 /-</u></b>	2022399455	
2022383520 2022389511	2022354304 2022358637	2022359858	2022372614	<b><u>B65B 35 /-</u></b>	
<b><u>B27K 5 /-</u></b>				2022366879	<b><u>B65D 90 /-</u></b>
2022389511				<b><u>B65B 61 /-</u></b>	2022365432
				2022362540	

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<b><u>B65F 1 /-</u></b>	<b><u>B81B 3 /-</u></b>	2022371394	<b><u>C05F 11 /-</u></b>	<b><u>C07C 59 /-</u></b>	<b><u>C07D 277 /-</u></b>
2022382557	2022376707	<b><u>C01F 7 /-</u></b>	2022380762	2022346449	2022376535
2022382689	<b><u>B81B 7 /-</u></b>	2022351132	<b><u>C05F 17 /-</u></b>	<b><u>C07C 6 /-</u></b>	<b><u>C07D 295 /-</u></b>
2022389472	2022376707	2022352384	2022380762	2022362275	2022369026
<b><u>B65G 1 /-</u></b>		<b><u>C01G 27 /-</u></b>			
2022351217	<b><u>B81C 1 /-</u></b>	2022397550	<b><u>C05F 5 /-</u></b>	<b><u>C07C 9 /-</u></b>	<b><u>C07D 307 /-</u></b>
2022353059	2022376707	<b><u>C01G 53 /-</u></b>	2022375811	2022344073	2022345316
2022353062		2022371995	2022380762	<b><u>C07D 205 /-</u></b>	2022346449
<b><u>B65G 15 /-</u></b>	<b><u>B82Y 10 /-</u></b>		<b><u>C05F 9 /-</u></b>		2022403203
2022369608	2022450360	<b><u>C02F 1 /-</u></b>	2022380762	2022362107	<b><u>C07D 309 /-</u></b>
				2022379243	
<b><u>B65G 17 /-</u></b>	<b><u>B82Y 30 /-</u></b>	2022351784	<b><u>C05G 3 /-</u></b>	<b><u>C07D 207 /-</u></b>	2022369058
2022369222	2021467739	2022358678	2022369906	2022368836	<b><u>C07D 333 /-</u></b>
		2022368391			
<b><u>B65G 21 /-</u></b>	<b><u>C01B 13 /-</u></b>	2022369591	<b><u>C07B 59 /-</u></b>	<b><u>C07D 209 /-</u></b>	2022369036
2022391637	2022370147	2022370226	2022381220	2022375217	2022376535
		2022371394	2022393769	2022381220	2022403203
<b><u>B65G 23 /-</u></b>	<b><u>C01B 15 /-</u></b>	2022376166	<b><u>C07B 61 /-</u></b>	2022397914	
2022369608	2022342708	2022380594		<b><u>C07D 211 /-</u></b>	2022345066
	2022370226	2023213740	2022344073		2022349662
<b><u>B65G 37 /-</u></b>	<b><u>C01B 17 /-</u></b>	<b><u>C02F 101 /-</u></b>		2022354253	2022351219
2022369608	2022358909	2022351784	<b><u>C07C 1 /-</u></b>	<b><u>C07D 213 /-</u></b>	2022358921
		<b><u>C02F 103 /-</u></b>	2022344073	2022356047	2022363172
<b><u>B65G 43 /-</u></b>	<b><u>C01B 25 /-</u></b>	2022371394	2022378955		2022365100
2022368295	2022342227	2022380594	<b><u>C07C 17 /-</u></b>	<b><u>C07D 215 /-</u></b>	2022366587
2022369608	2022397531	<b><u>C02F 11 /-</u></b>	2022345269	2021464980	2022376557
	2022423715	2022364701		2022383160	2022376760
<b><u>B65G 47 /-</u></b>	<b><u>C01B 3 /-</u></b>	2023213740	<b><u>C07C 211 /-</u></b>	<b><u>C07D 217 /-</u></b>	2022378858
2022364013	2022344073	<b><u>C02F 3 /-</u></b>	2022358609	2022397914	2022379243
2022366879	2022346320	2022364701	<b><u>C07C 219 /-</u></b>	<b><u>C07D 231 /-</u></b>	2022381258
2022369222	2022366697	2023213740	2022347282		2022388555
	2022370147	<b><u>C02F 5 /-</u></b>	<b><u>C07C 223 /-</u></b>	<b><u>C07D 217 /-</u></b>	2022392750
<b><u>B65G 5 /-</u></b>	2022372979	2022358678	2022347282	2022397914	2022398373
2021464173	2022376151	<b><u>C02F 9 /-</u></b>	<b><u>C07C 227 /-</u></b>	<b><u>C07D 231 /-</u></b>	2022399572
	2022380594	2022358678	2022347282	2022349662	<b><u>C07D 403 /-</u></b>
<b><u>B65G 54 /-</u></b>	2022386713	<b><u>C02F 9 /-</u></b>	<b><u>C07C 229 /-</u></b>	2022353839	2022333823
2022366879	<b><u>C01B 32 /-</u></b>	2022358678	2022347282	<b><u>C07D 233 /-</u></b>	2022349662
	2022372979	<b><u>C02F 9 /-</u></b>	<b><u>C07C 227 /-</u></b>		2022351219
<b><u>B65H 49 /-</u></b>	<b><u>C01B 33 /-</u></b>	2022358678	2022347282	2022349662	2022357226
2021342845	2022352384	<b><u>C03B 5 /-</u></b>	<b><u>C07C 229 /-</u></b>	2022359896	2022359896
	2022352384	2022359736	2022346449	2022365100	2022366587
<b><u>B65H 54 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C03C 17 /-</u></b>	2022347282	2022370351	2022370483
2021342845	2022397531	2022368359	2022356047	2022370484	2022373595
		<b><u>C04B 35 /-</u></b>	2022358609	2022375782	2022379243
<b><u>B65H 55 /-</u></b>	<b><u>C01F 11 /-</u></b>	<b><u>C04B 35 /-</u></b>	2022383068	2022379243	2022383577
2021342845	2022358461	<b><u>C07C 25 /-</u></b>	<b><u>C07D 249 /-</u></b>	2022392750	2022392750
	2022370226	2022345269	2022353839	<b><u>C07D 405 /-</u></b>	
<b><u>B65H 75 /-</u></b>	<b><u>C01F 17 /-</u></b>	<b><u>C05D 5 /-</u></b>	<b><u>C07D 265 /-</u></b>	2022366869	
2021342845	2022381337	2022381337	2022345269	2022375217	
	2022381461	2022381461	<b><u>C07C 255 /-</u></b>	2022379243	
<b><u>B66C 1 /-</u></b>	<b><u>C01F 17 /-</u></b>	<b><u>C05D 9 /-</u></b>	2022370385	<b><u>C07D 409 /-</u></b>	
2022364013	2022381337	2022358909	<b><u>C07C 5 /-</u></b>		
	2022381461	<b><u>C05D 9 /-</u></b>	2022390435	2022376535	2022351219
<b><u>B66D 1 /-</u></b>	<b><u>C01F 5 /-</u></b>	2022358909			2022379243
2021342845	2022358461				2022392750
					2022403203

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<b><u>C07D 413 /-</u></b>	<b><u>C07D 513 /-</u></b>	2022366465	2022380841	<b><u>C08G 65 /-</u></b>	<b><u>C08L 9 /-</u></b>
2022345071	2022379243	2022366884	2022381210	2022378881	2022358764
2022351219		2022366936	2022381556		
2022365100	<b><u>C07D 519 /-</u></b>	2022366947	2022382368	<b><u>C08G 73 /-</u></b>	<b><u>C08L 91 /-</u></b>
2022366869		2022366971	2022388189		
2022370351	2022345314	2022368299	2022389969	2022374519	2022383779
2022375782	2022365100	2022369312	2022392804	2022378972	
2022376535	2022365972	2022369384	2022394462		<b><u>C08L 97 /-</u></b>
2022379243	2022367221	2022369972	2022397890	<b><u>C08J 11 /-</u></b>	2021469452
2022383577	2022367222	2022371471	2022402319		2021469494
	2022373595	2022371643	2022420630	2021466762	2021470514
<b><u>C07D 417 /-</u></b>	2022379243	2022375623		<b><u>C08J 9 /-</u></b>	<b><u>C09D 167 /-</u></b>
		2022377374	<b><u>C07K 19 /-</u></b>		
2022345066	<b><u>C07F 15 /-</u></b>	2022379192	2022347024	2022372298	2022367810
2022345071		2022380841	2022355496		
2022365100	2022349859	2022381210	2022360371	<b><u>C08K 13 /-</u></b>	<b><u>C09D 4 /-</u></b>
2022369036	2022360205	2022381982	2022376757	2022358764	2022367810
2022370351		2022382571	2022376953		
2022376535	<b><u>C07F 5 /-</u></b>	2022386267	2022379192	<b><u>C08K 3 /-</u></b>	<b><u>C09D 5 /-</u></b>
2022379243		2022390012		2021467739	2022376938
2022398373	2022358921	2022391699	<b><u>C07K 5 /-</u></b>	2022358764	2022388741
	2022393769	2022397820	2022383744	2022397497	2022399210
<b><u>C07D 471 /-</u></b>	<b><u>C07F 9 /-</u></b>	2022397890		<b><u>C08K 5 /-</u></b>	<b><u>C09F 7 /-</u></b>
		2022406144	<b><u>C07K 7 /-</u></b>	2022358764	2022383779
2022346449	2022345314	<b><u>C07K 16 /-</u></b>	2022348080	2022397497	2022383779
2022351219	2022357226		2022371643	<b><u>C08L 23 /-</u></b>	<b><u>C09J 151 /-</u></b>
2022357572	2022376954	2021465518	2022371744	2021469452	2022402399
2022365100	2022378641	2022336191	2022383744	2021469494	<b><u>C09J 175 /-</u></b>
2022367432		2022337951		2021470514	2022370212
2022368858	<b><u>C07H 15 /-</u></b>	2022344595	<b><u>C08C 1 /-</u></b>	2022397497	
2022371727		2022345316	2022361512		
2022379243	2022365434	2022347792	<b><u>C08C 3 /-</u></b>	<b><u>C08L 25 /-</u></b>	<b><u>C09J 4 /-</u></b>
2022381536		2022348349		2021470514	2022402399
2022383577	<b><u>C07H 19 /-</u></b>	2022350407	<b><u>C08C 3 /-</u></b>	<b><u>C08L 29 /-</u></b>	<b><u>C09J 7 /-</u></b>
2022388555		2022350419	2022361512	2021469452	2022364985
	2022349529	2022350815		2022397497	
<b><u>C07D 487 /-</u></b>	<b><u>C07J 17 /-</u></b>	2022352157	<b><u>C08F 2 /-</u></b>	<b><u>C08L 31 /-</u></b>	<b><u>C09K 101 /-</u></b>
		2022352912	2023213622	2022397497	2022369906
2022343903	2021468756	2022355381	<b><u>C08F 218 /-</u></b>	<b><u>C08L 33 /-</u></b>	<b><u>C09K 17 /-</u></b>
2022351219		2022355381	2023213622	2023213622	2022369906
2022358921	<b><u>C07K 1 /-</u></b>	2022355496	<b><u>C08F 220 /-</u></b>	<b><u>C08L 35 /-</u></b>	<b><u>C09K 3 /-</u></b>
2022363172		2022357085	2023213622	2023213622	2022373901
2022365100	2022354451	2022358565	<b><u>C08F 255 /-</u></b>	<b><u>C08L 55 /-</u></b>	<b><u>C09K 5 /-</u></b>
2022365972	2022398373	2022358743	2022402399	2021469452	2022370065
2022366869		2022358772		2021469494	
2022367221	<b><u>C07K 14 /-</u></b>	2022359021	<b><u>C08F 267 /-</u></b>	<b><u>C08L 67 /-</u></b>	<b><u>C09K 8 /-</u></b>
2022367222		2022360108	2022383779	2021466762	2022379490
2022370483	2022336191	2022360371	<b><u>C08G 18 /-</u></b>	<b><u>C08L 7 /-</u></b>	<b><u>C10B 21 /-</u></b>
2022370484	2022337951	2022360645	2022370212	2022358764	2022378412
2022371727	2022339059	2022360645	2022372298		
2022373595	2022346534	2022361048	<b><u>C08G 63 /-</u></b>	<b><u>C08L 83 /-</u></b>	<b><u>C10B 53 /-</u></b>
2022374050	2022347024	2022361501	2022367810	20214667739	2022359742
2022375782	2022347132	2022361653		2022375041	
2022379243	2022347193	2022361768			
2022385416	2022347195	2022365116	<b><u>C08G 64 /-</u></b>		
2022388555	2022348080	2022365133	2022378881		
20223209540	2022350407	2022365387			
	2022350653	2022366208			
<b><u>C07D 491 /-</u></b>	2022352157	20223666971			
	2022352157	2022367525			
2022345314	2022353622	2022367611			
2022351219	2022354451	2022368026			
2022366587	2022355496	2022368930	<b><u>C08G 63 /-</u></b>		
2022392750	2022356378	2022369278	2022367810		
2022399572	2022357103	2022369457			
	2022358565	2022371170			
<b><u>C07D 498 /-</u></b>	2022358772	2022371521			
	2022359841	2022376757			
2022365972	2022360371	2022376930			
2022379243	2022360645	2022376931			
2022379477	2022361492	2022376940			
	2022361743	2022378932			
		2022379194			

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<b>C10G 1 /-</b>	<b>C10M 101 /-</b>	2022382354 2022382507 2022384527 2022388189	<b>C12N 5 /-</b>	2022388189	<b>C22B 21 /-</b>
2022359742 2022375041 2022392731 2022393117	2022381386		2022347989 2022348080 2022355700 2022357559 2022359841 2022361057 2022361488 2022362077 2022364731 2022365133 2022365594 2022366817 2022366819	<b>C12P 41 /-</b>	2022352384
<b>C10G 11 /-</b>	<b>C10M 169 /-</b>	<b>C12N 15 /-</b>		2022347282	<b>C22B 26 /-</b>
2022360198 2022373550	2022381451	2021470884 2022336191 2022341440 2022345094 2022345694 2022347195 2022348080 2022349814 2022350419 2022353115 2022353622 2022353839 2022355381 2022355496 2022356378 2022357103 2022357559 2022358609 2022360286 2022360817 2022361743 2022362286 2022363268 2022364798 2022365133 2022365387 2022366465 2022366947 2022367279 2022368026 2022368299 2022368907 2022369290 2022369312 2022369384 2022370530 2022371200 2022372902 2022373653 2022375623 2022377076 2022377333 2022377374 2022377400 2022378524 2022379949 2022380841 2022381173 2022381982 2022382960 2022384527 2022386267 2022386716 2022387087 2022388189 2022389197 2022390012 2022391699 2022395939 2022396533 2022397820 2022398619 2022421051	<b>C12P 7 /-</b>	2021466762 2022358630 2022375811 2022382354 2022382507	<b>C22B 3 /-</b>
<b>C10G 3 /-</b>	<b>C10M 171 /-</b>		2022367527 2022367899 2022371471 2022376757 2022376953 2022377637 2022378579 2022379192 2022379949 2022382571 2022386389 2022388189	<b>C12Q 1 /-</b>	2022371995 2022372987 202237173
2022362275 2022364851 2022375041 2022378955 2022382371 2022392731 2022393117	2022381451	<b>C10N 20 /-</b>		2021468756 2022348080 2022348424 2022356440 2022356446 2022357505 2022359420 2022361681 2022361705 2022363268 2022370530 2022371198 2022372325 2022374796 2022375208 2022375767 2022382960 2022389197 2022393287 2022395939 2022407332	<b>C22B 59 /-</b>
<b>C10G 45 /-</b>	<b>C10N 30 /-</b>		<b>C12N 7 /-</b>		2022368654
2022362275 2022364851 2022375041 2022382371 2022392731 2022393117	2022381451	<b>C10N 40 /-</b>	2022348074 2022358743 2022361501 2022366936		<b>C22B 60 /-</b>
<b>C10G 47 /-</b>	<b>C10N 50 /-</b>		<b>C12N 9 /-</b>		2022368654
2022362275 2022375041	2022381451	<b>C11B 1 /-</b>	2021470884 2022336191 2022356378 2022356440 2022360286 2022360541 2022361743 2022369972 2022372902 2022378627 2022381173 2022382975 2022384583 2022386716 2022395939 2022396533 2022397890	<b>C12R 1 /-</b>	<b>C22C 14 /-</b>
<b>C10G 65 /-</b>	<b>C11D 1 /-</b>			2022371998 2022372325 2022374796 2022375208 2022375767 2022382960 2022389197 2022393287 2022395939 2022407332	2022367734
2022362275 2022375041	2022378881	<b>C11D 3 /-</b>			<b>C22C 38 /-</b>
<b>C10G 67 /-</b>	<b>C11D 7 /-</b>				2022367734
2022362275 2022375041	2022378881	<b>C11D 3 /-</b>			<b>C23C 16 /-</b>
<b>C10G 69 /-</b>	<b>C12C 11 /-</b>				2022345173 2022363516
2022364851 2022375041	2022360541 2022368538	<b>C11D 7 /-</b>			<b>C23C 22 /-</b>
<b>C10G 7 /-</b>	<b>C12C 12 /-</b>				2022376938
2022378955	2022360541	<b>C12C 11 /-</b>			<b>C23C 26 /-</b>
<b>C10G 9 /-</b>	<b>C12G 1 /-</b>				2022364506 2022368153
2022359742	2022360541	<b>C12C 12 /-</b>			<b>C21B 11 /-</b>
<b>C10K 1 /-</b>	<b>C12G 3 /-</b>				2022372268
2022378412	2022360541	<b>C12M 1 /-</b>			<b>C21B 13 /-</b>
<b>C10K 3 /-</b>	<b>C12N 1 /-</b>				2022368159 2022372268
2022378412	2022358630 2022421051	<b>C12N 1 /-</b>			<b>C21D 1 /-</b>
<b>C10L 1 /-</b>					20223287051
2022392731 2022393117	2021466762 2022353622 2022358630 2022360817 2022366208 2022371908 2022372529		<b>C12P 13 /-</b>		<b>C21D 9 /-</b>
			2022347282		2023287051
			<b>C12P 17 /-</b>		<b>C22B 11 /-</b>
			2022347282		2022372987
			<b>C12P 19 /-</b>		<b>C22B 19 /-</b>
			2022356440 2022360817 2022369290 2022372902		2023222920 2023222922
			<b>C12P 21 /-</b>		<b>C25B 11 /-</b>
			2022349814		2022367734 2022368391 2022369591 2022371394 2022380594 2022385068
					<b>C25B 13 /-</b>
					2022368391 2022369591

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2022371394	<b><u>E01C 9 /-</u></b>			<b><u>E21B 44 /-</u></b>	2022387325
<b><u>C25B 15 /-</u></b>	2022370748	<b><u>E04B 5 /-</u></b>		2022424980	<b><u>F03D 9 /-</u></b>
2022346320	<b><u>E02B 17 /-</u></b>	2022364172		2022366694	2021465850
2022380594		<b><u>E04F 13 /-</u></b>		<b><u>E05C 19 /-</u></b>	2022366972
2022385068	2022374793	2022366259		2023279782	2022387325
		2022375051		2023281744	
<b><u>C25B 9 /-</u></b>	<b><u>E02D 13 /-</u></b>			<b><u>E06B 1 /-</u></b>	<b><u>F04B 49 /-</u></b>
2022344073	2022361945	<b><u>E04F 15 /-</u></b>		2021467351	2022363227
2022368391	2022362251	2022357420		2021467687	<b><u>F04B 53 /-</u></b>
2022369591					
2022371394	<b><u>E02D 15 /-</u></b>	<b><u>E04G 11 /-</u></b>		<b><u>E06B 9 /-</u></b>	2022377166
2022380594	2022372965	2022402329		2022348800	2022374384
		<b><u>E04G 21 /-</u></b>		2022389418	<b><u>F04D 13 /-</u></b>
<b><u>C25C 7 /-</u></b>	<b><u>E02D 27 /-</u></b>			<b><u>E21B 10 /-</u></b>	2022376161
2022371394	2022374793	<b><u>E04G 9 /-</u></b>		2022368297	<b><u>F04D 15 /-</u></b>
		2022386647		<b><u>E21B 17 /-</u></b>	
<b><u>C40B 30 /-</u></b>	<b><u>E02D 5 /-</u></b>			2021477256	<b><u>E21C 27 /-</u></b>
2022368299	2022361945	<b><u>E04H 12 /-</u></b>		2022411856	2022343024
	2022362251	2021473869		2022343024	2022359229
<b><u>C40B 40 /-</u></b>	2022364583	2022381281		<b><u>E21B 19 /-</u></b>	2022359438
2022349814	2022368297	2022387325		2021466148	<b><u>F04D 25 /-</u></b>
		<b><u>E04H 15 /-</u></b>		<b><u>E21B 23 /-</u></b>	2022349651
<b><u>D01D 5 /-</u></b>	<b><u>E02D 7 /-</u></b>	2022369491		2021470432	2022354521
2022343892	2022361945	<b><u>E04H 4 /-</u></b>		2022342087	<b><u>F04D 27 /-</u></b>
	2022362251	2021467996		2022343024	
<b><u>D01F 1 /-</u></b>	2022364583	2023306957		<b><u>E21C 31 /-</u></b>	2022349651
2022343892	2022368297	<b><u>E04H 15 /-</u></b>		2022343024	2022349651
	2022372965	2022369491		<b><u>E21C 35 /-</u></b>	<b><u>F04D 29 /-</u></b>
<b><u>D01F 6 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E04H 4 /-</u></b>		2022343024	2022349651
2022343892	2022345520	2021467996		<b><u>E21C 41 /-</u></b>	2022354521
	2022372965	2023306957		2022343024	2022359229
<b><u>D04H 1 /-</u></b>	<b><u>E02F 5 /-</u></b>	<b><u>E04H 5 /-</u></b>		2022359840	2022359438
2022361758	2022343024	2022387325		2022359840	2022374384
2022376673		<b><u>E04H 7 /-</u></b>		<b><u>E21D 1 /-</u></b>	2022376161
		2022374529		2022343024	2022433486
<b><u>D06F 39 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>E04H 9 /-</u></b>		<b><u>E21D 20 /-</u></b>	<b><u>F16B 1 /-</u></b>
2022343213	2022343970	2022335137		2022367159	2022369476
	2022354184	<b><u>E05B 15 /-</u></b>		<b><u>E21B 33 /-</u></b>	
<b><u>D06F 95 /-</u></b>	<b><u>E03B 3 /-</u></b>	2022356404		2021470432	<b><u>F16B 7 /-</u></b>
2022403968	2021467507	<b><u>E05B 19 /-</u></b>		2022342087	2021473869
	2022358678	2022335137		2022384633	2022341128
<b><u>D21H 17 /-</u></b>	2022370748	<b><u>E05B 15 /-</u></b>		<b><u>E21B 34 /-</u></b>	<b><u>F16D 65 /-</u></b>
2022374519		2022356404		2022359895	2022382805
2022378972	<b><u>E03C 1 /-</u></b>	<b><u>E05B 19 /-</u></b>		2022447568	
	2022396191	2022369476		<b><u>E21B 41 /-</u></b>	<b><u>F16D 66 /-</u></b>
<b><u>D21H 21 /-</u></b>	<b><u>E03D 11 /-</u></b>	<b><u>E05B 47 /-</u></b>		2022348073	2022382805
2022374519	2022385452	2022366694		2022384633	
2022378972				<b><u>E21B 43 /-</u></b>	<b><u>F16G 15 /-</u></b>
<b><u>D21H 23 /-</u></b>	<b><u>E03D 5 /-</u></b>	<b><u>E05B 65 /-</u></b>		2021464173	2022359775
2022374519	2022385452	2023279782		2021479974	<b><u>F16G 9 /-</u></b>
		2022366694		2022348073	2022391637
<b><u>E01B 11 /-</u></b>	<b><u>E03F 5 /-</u></b>	<b><u>E05B 67 /-</u></b>		2022359895	
2022353062	2022370748	2022356404		2022376161	<b><u>F16H 19 /-</u></b>
				2022377166	2022391637
<b><u>E01C 11 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>E05B 71 /-</u></b>		2022379490	2022387325
2022370748	2022364172	2022356404		2022384633	2022387325
				2022447568	<b><u>F03D 80 /-</u></b>
				2023251557	2022355493

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<b><u>F16H 25 /-</u></b>	<b><u>F24C 7 /-</u></b>	<b><u>F25B 41 /-</u></b>	<b><u>F41G 11 /-</u></b>	<b><u>G01M 13 /-</u></b>	<b><u>G01R 15 /-</u></b>
2022360373	2022370260 2023279782	2022461424	2022378560	2022368295	2022348526
<b><u>F16K 11 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F25B 43 /-</u></b>	<b><u>F41H 13 /-</u></b>	<b><u>G01M 3 /-</u></b>	<b><u>G01R 19 /-</u></b>
2022355831	2022354521 2023212002	2022461424	2022347134	2022358748	2023246287
<b><u>F16K 27 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>F25B 49 /-</u></b>	<b><u>F41H 3 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G01R 21 /-</u></b>
2022355831 2023336073	2022354521 2022459996 2023212002	2022393093 2022461424	2022360763	2021468630 2022349828 2022367393	2022370326 <b><u>G01R 31 /-</u></b>
<b><u>F16K 3 /-</u></b>	<b><u>F24F 5 /-</u></b>	<b><u>F25B 9 /-</u></b>	<b><u>F42B 33 /-</u></b>	<b><u>G01N 15 /-</u></b>	2023246287 2023344235
2023336073	2022459996	2022370065 2022461424	2022352990	2022367393	<b><u>G01R 33 /-</u></b>
<b><u>F16L 13 /-</u></b>	<b><u>F24F 6 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>F42B 39 /-</u></b>	<b><u>G01N 21 /-</u></b>	2022341129 2022372972 2022382013
2022389655	2022354521	2022367116 2022370793	2022359793	2022349466 2022368293 2022377223 2022378988 2022379497 2022387406 2022393287	<b><u>G01R 35 /-</u></b>
<b><u>F16L 15 /-</u></b>	<b><u>F24F 8 /-</u></b>	<b><u>F25D 17 /-</u></b>	<b><u>F42D 1 /-</u></b>	<b><u>G01N 23 /-</u></b>	2022348526 <b><u>G01S 13 /-</u></b>
2022364506 2022368153	2022354521	2022367116	2022361327	2022360763	2022368293 2022369095
<b><u>F16L 5 /-</u></b>	<b><u>F24H 7 /-</u></b>	<b><u>F25D 21 /-</u></b>	<b><u>G01B 11 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G01S 17 /-</u></b>
2022397497	2022366972	2022370793	2022368293	2022355493	2021468870 2022368293
<b><u>F16L 58 /-</u></b>	<b><u>F24S 20 /-</u></b>	<b><u>F25D 23 /-</u></b>	<b><u>G01B 9 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G01S 19 /-</u></b>
2022389655	2022370147	2022367116 2022370793	2022377223	2022341978 2022379497 2022420630	2022368293 <b><u>G01S 5 /-</u></b>
<b><u>F16M 11 /-</u></b>	<b><u>F24S 23 /-</u></b>	<b><u>F27D 17 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01N 33 /-</u></b>	2022368293 <b><u>G01S 7 /-</u></b>
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<b><u>F17C 13 /-</u></b>	<b><u>F24S 25 /-</u></b>	<b><u>F28D 20 /-</u></b>	<b><u>G01D 5 /-</u></b>	<b><u>G01G 19 /-</u></b>	<b><u>G01V 5 /-</u></b>
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<b><u>F17C 3 /-</u></b>	<b><u>F24S 30 /-</u></b>	<b><u>F41A 11 /-</u></b>	<b><u>G01G 21 /-</u></b>	<b><u>G01H 9 /-</u></b>	2022360048 <b><u>G01V 5 /-</u></b>
2022373805	2022342371 2022344535 2022364583 2022370663	2022365421	2022403540	2022367285 2022368293 2022368299 2022371744 2022375208 2022375710 2022376757 2022376953 2022378579 2022379192 2022380563 2022381210 2022388189 2022393287 2022407963 2023246959	2022360048 <b><u>G01W 1 /-</u></b>
<b><u>F17C 7 /-</u></b>	<b><u>F24S 60 /-</u></b>	<b><u>F41A 21 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G01H 9 /-</u></b>	2022360048 <b><u>G01W 1 /-</u></b>
2022475866	2022366972	2022365421	2022368295	2022367285 2022368293 2022368299 2022371744 2022375208 2022375710 2022376757 2022376953 2022378579 2022379192 2022380563 2022381210 2022388189 2022393287 2022407963 2023246959	2022360048 <b><u>G01W 1 /-</u></b>
<b><u>F23C 10 /-</u></b>	<b><u>F24T 10 /-</u></b>	<b><u>F41A 25 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G01H 9 /-</u></b>	2022360048 <b><u>G01W 1 /-</u></b>
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<b><u>F23C 13 /-</u></b>	<b><u>F24S 60 /-</u></b>	<b><u>F41A 9 /-</u></b>	<b><u>F41C 27 /-</u></b>	<b><u>G01J 3 /-</u></b>	2022369438 <b><u>G02B 26 /-</u></b>
2022372979	2022366972	2022359793	2022378560	2022349466 2022379497 2022393131 2022393287	2022360048 <b><u>G01W 1 /-</u></b>
<b><u>F23G 5 /-</u></b>	<b><u>F24T 10 /-</u></b>	<b><u>F41A 25 /-</u></b>	<b><u>F41C 33 /-</u></b>	<b><u>G01L 5 /-</u></b>	2022360048 <b><u>G01W 1 /-</u></b>
2022359742	2022366972	2022370304	2022359793	2022368295	2022360048 <b><u>G01W 1 /-</u></b>
<b><u>F23G 7 /-</u></b>	<b><u>F24T 50 /-</u></b>	<b><u>F41A 9 /-</u></b>	<b><u>F41C 27 /-</u></b>	<b><u>G01J 3 /-</u></b>	2022358748 <b><u>G02B 1 /-</u></b>
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<b><u>F23K 5 /-</u></b>	<b><u>F24V 30 /-</u></b>	<b><u>F41C 27 /-</u></b>	<b><u>G01M 5 /-</u></b>	<b><u>G01M 11 /-</u></b>	2022378560 <b><u>G01W 1 /-</u></b>
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<b><u>F24C 15 /-</u></b>	2021464173	<b><u>F41C 33 /-</u></b>	<b><u>G01M 11 /-</u></b>	<b><u>G01M 11 /-</u></b>	2022376707 <b><u>G02B 3 /-</u></b>
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		<b><u>F41G 1 /-</u></b>		2022368295	2022347266
		2022378560			

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2022348477 2022407868	2022359248 2022362034 2022373624	<b><u>G06N 7 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>G08B 5 /-</u></b>	
<b><u>G02C 7 /-</u></b>	2022375772 2022381896 2022387008	2022353817	2021468870 2022343970 2022349022	2022347134	
2022347266 2022369438 2022374463 2022389056 2022393927 2022421153	<b><u>G06F 3 /-</u></b>	<b><u>G06Q 10 /-</u></b>	2022359539 2022368293 2022368295 2022373777 2022377223 2022379509 2022383189 2022401152	<b><u>G08C 17 /-</u></b>	<b><u>G16H 40 /-</u></b>
<b><u>G02F 1 /-</u></b>	2021472423 2021477263 2022349499 2022356370	2021354932 2021469140 2022346783 2022348386 2022370436 2022374472 2022380912 2022410620	<b><u>G06V 10 /-</u></b>	2022361327	2022342660 2022359752 2022373624
2022378988 2022387591	<b><u>G06F 30 /-</u></b>	<b><u>G06Q 20 /-</u></b>	2022343970 2022349437 2022375596	2022359437	<b><u>G16H 50 /-</u></b>
<b><u>G05B 13 /-</u></b>	2022354056 2022359539 2022361898 2022372972	2022349437 2022354191 2022356370 2022369976 2022375772 2022404760	<b><u>G06V 20 /-</u></b>	<b><u>G09F 3 /-</u></b>	2022353817
2022361898	<b><u>G06F 40 /-</u></b>	<b><u>G06Q 30 /-</u></b>	2021469140 2022359539 2022373777	2021469140 2022364985	<b><u>G21F 1 /-</u></b>
<b><u>G05B 15 /-</u></b>	2022354191 2022374235	2021469140 2022349437 2022370436 2022371657 2022374671 2022377289	<b><u>G06V 30 /-</u></b>	<b><u>G10L 15 /-</u></b>	2022360763
2022386176	<b><u>G06F 8 /-</u></b>	<b><u>G06Q 40 /-</u></b>	2022349022	2022382858	<b><u>H01B 7 /-</u></b>
<b><u>G05B 19 /-</u></b>	2022361898 2022373624	2022377289 2022410620	<b><u>G06V 40 /-</u></b>	<b><u>G16B 15 /-</u></b>	2022315278
2022378753	<b><u>G06F 9 /-</u></b>	<b><u>G06Q 50 /-</u></b>	2022359437 2022361325	2022363929	<b><u>H01F 17 /-</u></b>
<b><u>G05B 23 /-</u></b>	2021467848 2022349499 2022412721	2021354932 2021468029 2021468649 2022346783 2022348238 2022348386 2022349499 2022362304 2022374235 2022374472 2022380912	<b><u>G07C 5 /-</u></b>	<b><u>G16B 20 /-</u></b>	2022435438
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<b><u>G05D 1 /-</u></b>	2022349437 2022363227	<b><u>G06Q 50 /-</u></b>	<b><u>G07F 5 /-</u></b>	<b><u>G16B 30 /-</u></b>	2022348526 2022374437
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<b><u>G05D 16 /-</u></b>	2022372972 2022450360	<b><u>G06Q 50 /-</u></b>	<b><u>G07F 13 /-</u></b>	<b><u>G16B 30 /-</u></b>	2022374437
2022358683	<b><u>G06N 20 /-</u></b>	2021354932 2021468029 2021468649 2022346783 2022348238 2022348386 2022349499 2022362304 2022374235 2022374472 2022380912	2022404760	2022363929 2022366767	<b><u>H01F 38 /-</u></b>
<b><u>G05D 23 /-</u></b>	2022351311 2022360356 2022361898 2022362304 2022363929 2022387008	<b><u>G06T 13 /-</u></b>	<b><u>G07F 17 /-</u></b>	<b><u>G16B 35 /-</u></b>	2022348526
2022378753	<b><u>G06N 30 /-</u></b>	2022360859	2022362304 2022365080	2022355496	<b><u>H01F 41 /-</u></b>
<b><u>G06F 1 /-</u></b>	2021467490 2022343970 2022345509 2022353817 2022360356 2022361898 2022374235 2022374671 2022380912 2022383170 2022398899	<b><u>G06T 15 /-</u></b>	<b><u>G07F 7 /-</u></b>	<b><u>G16B 40 /-</u></b>	2022374437
2022369976 2022370326	2022351311 2022360356 2022361898 2022362304 2022363929 2022387008	2021471764 2022349022 2022394967	<b><u>G07F 9 /-</u></b>	2022363929 2022375207	<b><u>H01F 7 /-</u></b>
<b><u>G06F 11 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G06T 17 /-</u></b>	2022369976	<b><u>G16B 50 /-</u></b>	2022435438
2022361898	2022351311 2022360356 2022361898 2022373323 2022379497 2022401152 2023246287	2022362304 2022374235 2022374472 2022380912	<b><u>G07G 1 /-</u></b>	2022363929 2022375207	<b><u>H01H 13 /-</u></b>
<b><u>G06F 13 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>G06T 19 /-</u></b>	2022404760	<b><u>G16H 10 /-</u></b>	2021477263
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<b><u>G06F 11 /-</u></b>	<b><u>G06N 5 /-</u></b>	2021471764 2022360859 2022370570	2022367393	2022353817	2021467548
2022361898	2021471764 2022360859 2022370570	<b><u>G06T 17 /-</u></b>	<b><u>G08B 19 /-</u></b>	<b><u>G16H 20 /-</u></b>	<b><u>H01L 25 /-</u></b>
<b><u>G06F 13 /-</u></b>	2021467490	2022360859	2022355493	2022367366 2022373624	2022354957
2022373624	2021467490	<b><u>G06T 19 /-</u></b>	<b><u>G08B 21 /-</u></b>	<b><u>G16H 30 /-</u></b>	<b><u>H01L 31 /-</u></b>
<b><u>G06F 16 /-</u></b>	2021467490	2021471764 2022360859 2022370570	2022347134 2022366694	2021471764	2021467548 2022342371 2022388586



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<b><u>H01L 33 /-</u></b>	2022367238 2022381281	2022344535 2022387325	<b><u>H04L 65 /-</u></b>	<b><u>H04W 28 /-</u></b>	<b><u>H05K 5 /-</u></b>
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	<b><u>H02J 13 /-</u></b>		2022367363 2022368864 2022387501 2022412721	2022412721	<b><u>H05K 9 /-</u></b>
	2021469404				2022360763
	<b><u>H02J 3 /-</u></b>	<b><u>H02S 30 /-</u></b>	<b><u>H04W 4 /-</u></b>		<b><u>H10K 30 /-</u></b>
<b><u>H01M 4 /-</u></b>	2021474032		2022367093		2022342541
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			2022354165 2022359248 2022367363 2022373624 2022375772 2022384059	2022382675 2022383151	2022342541 2022369126
<b><u>H01M 50 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H02S 40 /-</u></b>	<b><u>H04M 1 /-</u></b>	<b><u>H04W 56 /-</u></b>	
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<b><u>H01M 6 /-</u></b>		<b><u>H02S 50 /-</u></b>	<b><u>H04N 13 /-</u></b>	<b><u>H04W 60 /-</u></b>	
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	<b><u>H02J 9 /-</u></b>	<b><u>H03J 3 /-</u></b>	<b><u>H04N 17 /-</u></b>	<b><u>H04W 72 /-</u></b>	
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<b><u>H01M 8 /-</u></b>		<b><u>H03M 13 /-</u></b>	<b><u>H04N 21 /-</u></b>	<b><u>H04W 74 /-</u></b>	
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	<b><u>H02K 1 /-</u></b>	<b><u>H04B 1 /-</u></b>	<b><u>H04N 23 /-</u></b>	<b><u>H04W 84 /-</u></b>	
	2022387792	2022369976	2022370570 2022373360	2022386163	
	<b><u>H02K 13 /-</u></b>	<b><u>H04B 3 /-</u></b>	<b><u>H04N 25 /-</u></b>	<b><u>H04W 88 /-</u></b>	
	2022370300	2022361327	2022370570 2022373360	2022386163	
<b><u>H01R 13 /-</u></b>	<b><u>H02K 21 /-</u></b>	<b><u>H04B 5 /-</u></b>	<b><u>H04N 5 /-</u></b>	<b><u>H05B 1 /-</u></b>	
2022369434 2022418966	2022344862	2022361327	2022370570 2022373360	2022374040	
<b><u>H01R 39 /-</u></b>	<b><u>H02K 7 /-</u></b>	<b><u>H04B 7 /-</u></b>	<b><u>H04N 7 /-</u></b>	<b><u>H05B 3 /-</u></b>	
2022370300	2022344862 2022435438 2023254942	2022383151	2022343970 2022363229 2022368286	2021467739 2022360455 2022374040	
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<b><u>H02G 7 /-</u></b>	<b><u>H02S 10 /-</u></b>	<b><u>H04L 51 /-</u></b>		<b><u>H05K 3 /-</u></b>	
2022363643 2022363646	2022342371 2022342372	2022354191 2022368864		2023246960	

Applications Accepted

Name Index

<p><b>1304338 Alberta Ltd. see 1304342 Alberta Ltd.</b> (21) 2019231345</p>	<p>(31) 62/519,576 16/007,630 (43) 20.12.2018 (44) 02.05.2024 (72) KUMAR, Saravana B. (74) FPA Patent Attorneys Pty Ltd</p>	<p>(32) 14.06.17 (33) US 13.06.18 US</p>	<p>(43) 20.01.2022 (44) 02.05.2024 (62) 2016285727 (72) Desai, Neil P. (74) AJ PARK</p>
<p>(71) 1304342 Alberta Ltd.; 1304338 Alberta Ltd. (11) AU-B-2019231345 (21) 2019231345 (22) 07.02.2019 (54) Production of petrochemical feedstocks and products using a fuel cell (51) Int. Cl. <b>H01M 8/0662</b> ( 2016.01 ) (87) WO2019/169475 (31) 3,002,749 (32) 25.04.18 (33) CA 3,016,645 06.09.18 CA 2,997,634 07.03.18 CA (43) 12.09.2019 (44) 02.05.2024 (72) MILLAR, MacKenzie; LOURENCO, Jose (74) SPICER SPICER PTY LTD</p>	<p>(71) Ab Initio Technology LLC (11) AU-B-2018380147 (21) 2018380147 (22) 06.12.2018 (54) Systems and methods for monitoring execution of structured query language (SQL) queries (51) Int. Cl. <b>G06F 8/34</b> ( 2018.01 ) <b>G06F 8/10</b> ( 2018.01 ) (87) WO2019/113293 (31) 15/835,823 (32) 08.12.17 (33) US (43) 13.06.2019 (44) 02.05.2024 (72) ALLIN, Glenn John; SCHECHTER, Ian Robert (74) RnB IP Pty Ltd</p>	<p>(71) Accenture Global Solutions Limited (11) AU-B-2022221457 (21) 2022221457 (22) 24.08.2022 (54) INTELLIGENT DATA EXTRACTION SYSTEM AND METHOD (51) Int. Cl. <b>G06N 3/02</b> ( 2006.01 ) <b>G06N 3/08</b> ( 2006.01 ) (31) 17/552,542 (32) 16.12.21 (33) US (43) 06.07.2023 (44) 02.05.2024 (72) MUTHU, Loganathan; KOTNALA, Rahul; RAJAGOPALAN, Srinivasan Krishnan; GOPALAN, Peter Ashly; CHANDRAN, Manikandan; PRAKASH, Anand Yesuraj; DEB, Simantini; DHANDAPANI, Vijay; KUMAR, RBSanthosh; SINGH, Harbhajan; VENKATAPPA, Lokesh; RAMAN, Ramakrishnan (74) Murray Trento &amp; Associates Pty Ltd</p>	
<p>(71) 247 Energy BVBA (11) AU-B-2018365333 (21) 2018365333 (22) 11.11.2018 (54) Compact power plant (51) Int. Cl. <b>F01K 13/02</b> ( 2006.01 ) <b>B63J 99/00</b> ( 2009.01 ) <b>F17C 9/02</b> ( 2006.01 ) (87) WO2019/092224 (31) 2017/0157 (32) 10.11.17 (33) BE (43) 16.05.2019 (44) 02.05.2024 (72) HIMSCHOOT, Peter; TROCH, James; AERTS, Karl; AHRENS, Kurt (74) FB Rice Pty Ltd</p>	<p>(71) Abiomed, Inc. (11) AU-B-2018294227 (21) 2018294227 (22) 28.06.2018 (54) Guidewire access sleeve (51) Int. Cl. <b>A61M 25/06</b> ( 2006.01 ) <b>A61B 17/00</b> ( 2006.01 ) <b>A61B 90/00</b> ( 2016.01 ) <b>A61M 25/09</b> ( 2006.01 ) (87) WO2019/006158 (31) 62/525,779 (32) 28.06.17 (33) US (43) 03.01.2019 (44) 02.05.2024 (72) KORKUCH, Christopher Nason (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Acme Drugs S.r.l. (11) AU-B-2019240175 (21) 2019240175 (22) 13.03.2019 (54) Conjugates of stanozolol and hyaluronic acid (51) Int. Cl. <b>C08B 37/08</b> ( 2006.01 ) <b>A61K 47/36</b> ( 2006.01 ) (87) WO2019/180548 (31) 102018000003841 (32) 21.03.18 (33) IT (43) 26.09.2019 (44) 02.05.2024 (72) PREDIERI, Paolo Giulio (74) WRAYS PTY LTD</p>	
<p>(71) 3M Innovative Properties Company (11) AU-B-2020399286 (21) 2020399286 (22) 07.12.2020 (54) Coordinated dichotic sound compression (51) Int. Cl. <b>A61F 11/08</b> ( 2006.01 ) <b>A61F 11/14</b> ( 2006.01 ) (87) WO2021/116886 (31) 62/947,115 (32) 12.12.19 (33) US (43) 17.06.2021 (44) 02.05.2024 (72) HENRY, Paul D. (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Abiomed, Inc. (11) AU-B-2022201578 (21) 2022201578 (22) 08.03.2022 (54) Introducer sheath having a multi-layer hub (51) Int. Cl. <b>A61M 25/06</b> ( 2006.01 ) (43) 31.03.2022 (44) 02.05.2024 (62) 2017223417 (72) MURPHY, John (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Adamas Pharma, LLC (11) AU-B-2018320946 (21) 2018320946 (22) 23.08.2018 (54) Amantadine compositions, preparations thereof, and methods of use (51) Int. Cl. <b>A61K 31/13</b> ( 2006.01 ) <b>A61K 31/131</b> ( 2006.01 ) <b>A61K 47/18</b> ( 2017.01 ) (87) WO2019/040748 (31) 62/549,921 (32) 24.08.17 (33) US (43) 28.02.2019 (44) 02.05.2024 (72) WENT, Gregory T.; FULTZ, Timothy J.; GHOSH, Sangita; MCCLURE, Natalie (74) Spruson &amp; Ferguson</p>	
<p>(71) 4C Medical Technologies, Inc. (11) AU-B-2018284985 (21) 2018284985 (22) 14.06.2018 (54) Delivery of heart chamber prosthetic valve implant (51) Int. Cl. <b>A61F 2/24</b> ( 2006.01 ) (87) WO2018/232118</p>	<p>(71) ABRAXIS BIOSCIENCE, LLC (11) AU-B-2021290200 (21) 2021290200 (22) 20.12.2021 (54) BIOMARKERS FOR NANOPARTICLE COMPOSITIONS (51) Int. Cl. <b>A61K 9/51</b> ( 2006.01 ) <b>A61K 31/436</b> ( 2006.01 ) <b>A61K 47/42</b> ( 2017.01 ) <b>A61P 35/00</b> ( 2006.01 )</p>	<p>(71) Adamed Pharma S.A. (11) AU-B-2019245827 (21) 2019245827 (22) 21.03.2019</p>	

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 (51) Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
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 (74) Spruson & Ferguson

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 (51) Int. Cl.  
**A61B 6/00** ( 2006.01 )  
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**G21K 1/02** ( 2006.01 )  
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**H01J 35/16** ( 2006.01 )  
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 (74) COOPER IP PTY. LTD.

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 (11) AU-B-2021236067  
 (21) 2021236067 (22) 09.03.2021  
 (54) Surfactants for agricultural products  
 (51) Int. Cl.  
**C07C 229/08** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
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 (31) 62/988,203 (32) 11.03.20 (33) US  
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 (72) ASIRVATHAM, Edward  
 (74) Davies Collison Cave Pty Ltd

(71) Afiniti, Ltd.  
 (11) AU-B-2023204093  
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 (54) TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**H04M 3/523** ( 2006.01 )  
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 (72) Chishti, Zia  
 (74) Allens Patent & Trade Mark Attorneys

(71) AgaMatrix, Inc.  
 (11) AU-B-2022200894  
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 (54) ANALYTE DETECTION METER AND ASSOCIATED METHOD OF USE

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**G01N 27/327** ( 2006.01 )  
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 (72) IYENGAR, Sridhar; HARDING, Ian; WILLIAMS, Richard; CAI, Hua Kevin  
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 (54) SYSTEMS AND METHODS OF CONTROLLABLE NATURAL LANGUAGE GENERATION  
 (51) Int. Cl.  
**G06F 40/00** ( 2020.01 )  
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 (72) PELEG, Barak; PADNOS, Dan; MORAG, Amnon; LUMBROSO, Gilad; SHOHAM, Yoav; GOSHEN, Ori; LENZ, Barak; DAGAN, Or  
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(71) AICI TECHNOLOGY (NINGBO) CO., LTD.  
 (11) AU-B-2021469729  
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 (54) DISPLACEMENT PLANETARY CARRIER SYSTEM AND PLANETARY TRANSMISSION DEVICE THEREOF  
 (51) Int. Cl.  
**F16H 1/32** ( 2006.01 )  
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 (72) LING, Zilong  
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 (11) AU-B-2022200570  
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 (54) Compositions and methods for treating anemia  
 (51) Int. Cl.  
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**A01N 43/40** ( 2006.01 )  
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 (72) JANUSZ, John; SHALWITZ, Isaiah; SHALWITZ, Robert; GARDNER, Joseph; BUCH, Akshay; HARTMAN, Charlotte  
 (74) FB Rice Pty Ltd

(71) Alar Pharmaceuticals Inc.  
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(54) Ketamine pamoate and use thereof  
 (51) Int. Cl.  
**C07C 255/20** ( 2006.01 )  
**A61K 31/135** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
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 (72) LIN, Tong-Ho; WEN, Yung-Shun; CHEN, Chia-Hsien; CHANG, Wei-Ju  
 (74) COOPER IP PTY. LTD.

(71) Alcon Inc.  
 (11) AU-B-2018383137  
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 (54) Thermally robust laser probe assembly  
 (51) Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61B 18/20** ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

(71) Alcon Inc.  
 (11) AU-B-2018385649  
 (21) 2018385649 (22) 12.12.2018  
 (54) Multiple-input-coupled illuminated multi-spot laser probe  
 (51) Int. Cl.  
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**A61B 18/20** ( 2006.01 )  
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 (72) SMITH, Ronald T.; MIRSEPASSI, Alireza; FARLEY, Mark Harrison; BACHER, Gerald David  
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 (51) Int. Cl.  
**E05B 63/00** ( 2006.01 )  
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 (72) Murali, Rakesh  
 (74) AJ Pietras IP Limited

(71) Allflex Europe SAS  
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 (54) Gripper for manipulating a device for identifying an animal and/or removing tissue from an animal comprising holding means with remote actuation  
 (51) Int. Cl.  
 A01K 11/00 ( 2006.01 )  
 A61B 10/02 ( 2006.01 )  
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 (51) Int. Cl.  
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 A61K 47/54 ( 2017.01 )  
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 (54) Rail car side bearing  
 (51) Int. Cl.  
 B61F 5/14 ( 2006.01 )  
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 (54) Analysis of porous material using laboratory calibrated test apparatus and sample data  
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 G01N 33/24 ( 2006.01 )  
 G01R 17/10 ( 2006.01 )  
 G01R 27/02 ( 2006.01 )  
 G01V 3/06 ( 2006.01 )

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 (74) PIPERS

(71) ANDRITZ KMPT GmbH  
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 (54) Filter drum for a vacuum and/or pressure filtration device  
 (51) Int. Cl.  
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 (54) AUTOMATED PUNNETS HANDLING ASSEMBLY  
 (51) Int. Cl.

B65G 47/90 ( 2006.01 )  
 B25J 9/00 ( 2006.01 )  
 B25J 11/00 ( 2006.01 )  
 B25J 15/00 ( 2006.01 )  
 B65B 25/04 ( 2006.01 )  
 B65B 35/30 ( 2006.01 )  
 B65G 21/20 ( 2006.01 )  
 B65G 47/88 ( 2006.01 )  
 B65G 49/05 ( 2006.01 )  
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(71) Anglo American Technical & Sustainability Services Ltd  
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 (54) Tailings storage facility method and structure  
 (51) Int. Cl.  
 B01D 24/28 ( 2006.01 )  
 C02F 11/12 ( 2019.01 )  
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 (72) FILMER, Anthony Owen; NEWMAN, Philip Duncan  
 (74) FB Rice Pty Ltd

(71) Anric Developments Pty Limited  
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 (54) Rail surface finishing apparatus  
 (51) Int. Cl.  
 E01B 31/17 ( 2006.01 )  
 B24B 19/00 ( 2006.01 )  
 E01B 26/00 ( 2006.01 )  
 E01B 29/02 ( 2006.01 )  
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 (43) 02.05.2024  
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 (72) Spinozzi, Anthony  
 (74) FB Rice Pty Ltd

(71) ANTAROS MEDICAL AB  
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 (54) METHOD AND SYSTEM FOR MEDICAL IMAGE REGISTRATION  
 (51) Int. Cl.  
 G06T 7/30 ( 2017.01 )  
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 (31) 21169609.1 (32) 21.04.21 (33) EP  
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 (72) JÖNSSON, Hanna  
 (74) Davies Collison Cave Pty Ltd

(71) AnyGen Co., Ltd.  
 (11) AU-B-2021233745  
 (21) 2021233745 (22) 11.03.2021  
 (54) Composition for anti-diabetes and anti-obesity comprising novel compound  
 (51) Int. Cl.  
 C07K 5/10 ( 2006.01 )  
 A23L 33/18 ( 2016.01 )  
 A61K 8/64 ( 2006.01 )  
 A61K 38/07 ( 2006.01 )  
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**A61Q 19/06** ( 2006.01 )  
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**(31)** 10-2020-0030303 **(32)** 11.03.20 **(33)** KR  
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**(72)** KIM, Jae Il; RYU, Jae Ha; PARK, Bong Gyu  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** APPELL, T.E.  
**(11)** AU-B-2023336078  
**(21)** 2023336078 **(22)** 17.02.2023  
**(54)** INTERCHANGEABLE KICK TAILS AND TRACTION SYSTEM FOR SKATEBOARDS AND SURFBOARDS  
**(51)** Int. Cl.  
**A63C 17/01** ( 2006.01 )  
**B63B 32/40** ( 2020.01 )  
**B63B 32/64** ( 2020.01 )  
**(87)** WO2024/064417  
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**(72)** APPELL, Thomas, Edward  
**(74)** Thomas Appell

**(71)** Apple Inc.  
**(11)** AU-B-2022203796  
**(21)** 2022203796 **(22)** 02.06.2022  
**(54)** Device, method, and graphical user interface for media playback  
**(51)** Int. Cl.  
**H04N 21/2385** ( 2011.01 )  
**G06F 3/0488** ( 2022.01 )  
**G11B 27/34** ( 2006.01 )  
**H04N 21/433** ( 2011.01 )  
**H04N 21/482** ( 2011.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-B-2022224855  
**(21)** 2022224855 **(22)** 02.09.2022  
**(54)** Device, method, and graphical user interface for synchronizing two or more displays  
**(51)** Int. Cl.  
**G06F 9/44** ( 2018.01 )  
**G01C 21/36** ( 2006.01 )  
**(43)** 29.09.2022  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-B-2023200312  
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**(54)** Devices, methods, and graphical user interfaces for providing feedback during interaction with an intensity-sensitive button  
**(51)** Int. Cl.  
**G06F 3/0487** ( 2013.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
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**(54)** User interface for audio message  
**(51)** Int. Cl.  
**G06F 3/0486** ( 2013.01 )  
**(43)** 03.08.2023  
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**(72)** Kim, Andrew Seunghyun; Coffman, Patrick L.; Kvarda, Lisa K.; McGann, Jared K.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** ARCHER AVIATION, INC.  
**(11)** AU-B-2022328323  
**(21)** 2022328323 **(22)** 10.08.2022  
**(54)** ELECTRIC VEHICLE PORT  
**(51)** Int. Cl.  
**B64F 1/36** ( 2017.01 )  
**B60L 53/50** ( 2019.01 )  
**B64F 1/22** ( 2006.01 )  
**B64F 1/30** ( 2006.01 )  
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**(74)** AJ PARK

**(71)** Arcutis Biotherapeutics, Inc.  
**(11)** AU-B-2019281888  
**(21)** 2019281888 **(22)** 30.05.2019  
**(54)** Method and formulation for improving roflumilast skin penetration lag time  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/14** ( 2017.01 )  
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**(72)** OSBORNE, David W.  
**(74)** Griffith Hack

**(71)** Arena Pharmaceuticals, Inc.  
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**(21)** 2018227842 **(22)** 01.03.2018  
**(54)** Compositions comprising PGI2-receptor agonists and processes for the preparation thereof  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 31/27** ( 2006.01 )  
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**(31)** 62/465,675 **(32)** 01.03.17 **(33)** US  
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**(11)** AU-B-2021289163  
**(21)** 2021289163 **(22)** 04.06.2021  
**(54)** 4-oxo-3,4-dihydroquinazolinon compounds for the treatment of BRAF-associated diseases and disorders  
**(51)** Int. Cl.  
**C07D 239/90** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**(87)** WO2021/250521  
**(31)** 63/036,522 **(32)** 09.06.20 **(33)** US  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Array Technologies, INC.  
**(11)** AU-B-2021269127  
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**(54)** Mounting bracket  
**(51)** Int. Cl.  
**H02S 20/00** ( 2014.01 )  
**E04D 13/18** ( 2018.01 )  
**F16M 13/02** ( 2006.01 )  
**H01L 31/042** ( 2014.01 )  
**H02S 20/22** ( 2014.01 )  
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 (51) Int. Cl.  
*E21B 43/00* ( 2006.01 )  
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 (74) AJ PARK

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 (51) Int. Cl.  
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*A61K 31/496* ( 2006.01 )  
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 (11) AU-B-2021356264  
 (21) 2021356264 (22) 28.09.2021  
 (54) DEVICE AND METHOD FOR DRYING COMPRESSED GAS AND A COMPRESSOR INSTALLATION PROVIDED WITH SUCH DEVICE  
 (51) Int. Cl.  
*B01D 53/26* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) AtriCure, Inc.  
 (11) AU-B-2022203085  
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 (54) Devices and methods for left atrial appendage closure  
 (51) Int. Cl.  
*A61B 17/221* ( 2006.01 )  
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*A61B 17/04* ( 2006.01 )

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 (51) Int. Cl.  
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 (54) Methods of use for trisubstituted benzotriazole derivatives as dihydroorotate oxygenase inhibitors  
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*A61K 31/4192* ( 2006.01 )  
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*A61K 31/496* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (54) Crystalline forms of 3-substituted 1,2,4-oxadiazole  
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(71) Automation Tech, LLC  
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 (21) 2021245825 (22) 29.03.2021

(54) Modular cooking appliance  
 (51) Int. Cl.  
*A21B 1/40* ( 2006.01 )  
*A23L 5/10* ( 2016.01 )  
*F27B 9/02* ( 2006.01 )  
 (87) WO2021/202415  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) SHARED OBSTACLES IN AUTONOMOUS VEHICLE SYSTEMS  
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*G05D 1/00* ( 2006.01 )  
*B62D 15/02* ( 2006.01 )  
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 (51) Int. Cl.  
*C07H 1/00* ( 2006.01 )  
*C07H 3/02* ( 2006.01 )  
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 (31) 2020356 (32) 31.01.18 (33) NL  
 (43) 08.08.2019  
 (44) 02.05.2024  
 (72) KERSBULCK, Martijn; MCKAY, Benjamin; GRUTER, Gerardus Johannes Maria  
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(71) Avery Dennison Corporation  
 (11) AU-B-2022203488  
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 (54) Ink jet print method with integrated spot color and process color  
 (51) Int. Cl.  
*H04N 1/60* ( 2006.01 )  
*H04N 1/54* ( 2006.01 )  
*H04N 1/62* ( 2006.01 )  
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 (72) CHANG, Ying; AGASHE, Nikhil R.; PECK, John D.  
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**(11)** AU-B-2019243448  
**(21)** 2019243448 **(22)** 26.03.2019  
**(54)** Guidance and navigation control proteins and method of making and using thereof  
**(51)** Int. Cl.  
**A61K 35/12** ( 2015.01 )  
**A61K 35/14** ( 2015.01 )  
**A61K 35/15** ( 2015.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 38/16** ( 2006.01 )  
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**(31)** 62/648,880 **(32)** 27.03.18 **(33)** US  
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**(43)** 03.10.2019  
**(44)** 02.05.2024  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.; Systimmune, Inc.  
**(11)** AU-B-2019243453  
**(21)** 2019243453 **(22)** 26.03.2019  
**(54)** Methods of making and using guidance and navigation control proteins  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2019/191125  
**(31)** 62/648,888 **(32)** 27.03.18 **(33)** US  
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**(72)** ZHU, Yi; OLSEN, Ole; KHALILI, Jahan; XIA, Dong; JELLYMAN, David; BYKOVA, Katrina; ROUSSEAU, Anne-Marie; WANG, Camilla; GAO, Zeren; HUANG, Hui; LUNDY, Steven K.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** BASF Coatings GmbH  
**(11)** AU-B-2019240858  
**(21)** 2019240858 **(22)** 28.03.2019  
**(54)** Method for transferring an embossed structure to the surface of a coating means and compound structure usable as an embossing die  
**(51)** Int. Cl.  
**B29C 43/22** ( 2006.01 )  
**B29C 43/34** ( 2006.01 )  
**B29C 43/46** ( 2006.01 )  
**B29C 59/04** ( 2006.01 )  
**B44B 5/02** ( 2006.01 )  
**B44C 1/24** ( 2006.01 )  
**C09D 133/12** ( 2006.01 )  
**B29C 35/08** ( 2006.01 )  
**B29C 35/10** ( 2006.01 )

*B29C 43/00* ( 2006.01 )  
*B29K 667/00* ( 2006.01 )  
*B29L 7/00* ( 2006.01 )  
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**(87)** WO2019/185832  
**(31)** 18164692.8 **(32)** 28.03.18 **(33)** EP  
**(43)** 03.10.2019  
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**(72)** KUES, Jan-Bernd; PIONTEK, Susanne; EXNER, Joerg; KLEINE-BLEY, Birgit; VON DER AA, Robert; LORENZ, Michael; BERGMANN, Frank; SCHIPPER, Wilfried; KRABBENBORG, Sven, Olle; DUENNEWALD, Joerg  
**(74)** Griffith Hack

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**(71)** BASF Coatings GmbH  
**(11)** AU-B-2019240859  
**(21)** 2019240859 **(22)** 28.03.2019  
**(54)** Method for transferring an embossed structure to the surface of a coating and compound structure containing said coating  
**(51)** Int. Cl.  
**B29C 43/22** ( 2006.01 )  
**B29C 43/34** ( 2006.01 )  
**B29C 59/04** ( 2006.01 )  
**B44B 5/02** ( 2006.01 )  
**B44C 1/24** ( 2006.01 )  
**C09D 133/12** ( 2006.01 )  
*B29C 35/08* ( 2006.01 )  
*B29C 35/10* ( 2006.01 )  
*B29C 43/00* ( 2006.01 )  
*B29C 43/46* ( 2006.01 )  
*B29K 667/00* ( 2006.01 )  
*B29L 7/00* ( 2006.01 )  
*B29L 31/00* ( 2006.01 )  
**(87)** WO2019/185833  
**(31)** 18164689.4 **(32)** 28.03.18 **(33)** EP  
**(43)** 03.10.2019  
**(44)** 02.05.2024  
**(72)** KUES, Jan-Bernd; PIONTEK, Susanne; EXNER, Joerg; LENZ, Joerg; KLEINE-BLEY, Birgit; SCHIPPER, Wilfried; VON DER AA, Robert; BERGMANN, Frank; LORENZ, Michael; KRABBENBORG, Sven, Olle; DUENNEWALD, Joerg  
**(74)** Griffith Hack

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**(71)** Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft  
**(11)** AU-B-2019221019  
**(21)** 2019221019 **(22)** 12.02.2019  
**(54)** Use of 5-Fluoro-4-(4-fluoro-2-methoxyphenyl)-N-4-[(S-methylsulfonimidoyl)methyl]pyridin-2-yl]pyridin-2-amine for treating diffuse large B-cell lymphoma  
**(51)** Int. Cl.  
**C07D 213/72** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2019/158517  
**(31)** 18156576.3 **(32)** 13.02.18 **(33)** EP  
**(43)** 22.08.2019  
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**(72)** SCHOLZ, Arne  
**(74)** Griffith Hack

**(71)** Bayer Aktiengesellschaft  
**(11)** AU-B-2019297400  
**(21)** 2019297400 **(22)** 03.07.2019  
**(54)** Substituted thiophenecarboxamides and analogues as antibacterials agents  
**(51)** Int. Cl.  
**C07D 333/38** ( 2006.01 )  
**A01N 43/10** ( 2006.01 )  
**A01N 43/28** ( 2006.01 )  
**A01P 1/00** ( 2006.01 )  
**C07D 333/40** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
**(87)** WO2020/007902  
**(31)** 18181930.1 **(32)** 05.07.18 **(33)** EP  
**(43)** 09.01.2020  
**(44)** 02.05.2024  
**(72)** BERNIER, David; BRUNET, Stéphane; DUFOUR, Jérémy; KNOBLOCH, Thomas; NICOLAS, Lionel; TSUCHIYA, Tomoki  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Bayer Aktiengesellschaft  
**(11)** AU-B-2019297402  
**(21)** 2019297402 **(22)** 03.07.2019  
**(54)** Substituted thiophenecarboxamides and analogues as antibacterials agents  
**(51)** Int. Cl.  
**C07D 333/38** ( 2006.01 )  
**A01N 43/10** ( 2006.01 )  
**A01N 43/28** ( 2006.01 )  
**A01P 1/00** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
**(87)** WO2020/007905  
**(31)** 18181930.1 **(32)** 05.07.18 **(33)** EP  
**(43)** 09.01.2020  
**(44)** 02.05.2024  
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**(74)** Davies Collison Cave Pty Ltd

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**(71)** BAYER HEALTHCARE LLC  
**(11)** AU-B-2021245214  
**(21)** 2021245214 **(22)** 08.10.2021  
**(54)** Treatment of age related macular degeneration with a small active choroidal neovascularization lesion  
**(51)** Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 31/409** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
**(43)** 04.11.2021  
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**(72)** ZEITZ, Oliver; SOWADE, Olaf; WU, Haiyan  
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**Bayer Pharma Aktiengesellschaft see Bayer Aktiengesellschaft**  
**(21)** 2019221019

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(71) BeA GmbH  
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(21) 2018351907 (22) 27.09.2018  
(54) Compressed air nailer with a safety actuator

(51) Int. Cl.  
**B25C 1/04** ( 2006.01 )  
(87) WO2019/076605  
(31) 17197102.1 (32) 18.10.17 (33) EP  
(43) 25.04.2019  
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(71) Becton, Dickinson and Company  
(11) AU-B-2019263068  
(21) 2019263068 (22) 30.04.2019  
(54) Biological fluid micro-sample management device

(51) Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**A61B 5/153** ( 2006.01 )  
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(31) 62/665,100 (32) 01.05.18 (33) US  
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**Beijing CCRI-Tianma Automation Technology Co. Ltd. see CCTEG Beijing Tianma Intelligent Control Technology Co., Ltd.**  
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(71) BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.  
(11) AU-B-2022204998  
(21) 2022204998 (22) 04.01.2022  
(54) RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING  
(51) Int. Cl.  
**H04N 19/70** ( 2014.01 )  
**H04N 19/117** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
(87) WO2022/147570  
(31) 63/133,765 (32) 04.01.21 (33) US  
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(72) JHU, Hong-Jheng; XIU, Xiaoyu; CHEN, Yi-Wen; CHEN, Wei; KUO, Che-Wei; WANG, Xianglin; YU, Bing  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.  
(11) AU-B-2020390718  
(21) 2020390718 (22) 25.08.2020  
(54) Filtering device, generator and wind turbine generator system  
(51) Int. Cl.

**B01D 46/10** ( 2006.01 )  
**H02K 9/26** ( 2006.01 )  
(87) WO2021/103685  
(31) 201911192768.2 (32) 28.11.19 (33) CN  
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(11) AU-B-2021262176  
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(54) Clearance monitoring system of wind turbine set, and monitoring method and device  
(51) Int. Cl.  
**F03D 17/00** ( 2016.01 )  
(87) WO2021/218541  
(31) 202010364452.3 (32) 30.04.20 (33) CN  
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(72) LI, Xinle; ZHANG, Qi  
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(71) Beijing Sanyuan Foods Co., Ltd.  
(11) AU-B-2022331912  
(21) 2022331912 (22) 29.11.2022  
(54) Preparation method of milk oligosaccharides and oligosaccharide powder and food prepared thereby  
(51) Int. Cl.  
**A23C 9/142** ( 2006.01 )  
**A23L 27/10** ( 2016.01 )  
(87) WO2023/124706  
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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
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(54) Autonomous vehicle control method and autonomous driving control device  
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(51) Int. Cl.  
**C12Q 1/24** ( 2006.01 )  
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**(51)** Int. Cl.  
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 poration  
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**A61N 1/05** ( 2006.01 )  
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 A61P 17/00 ( 2006.01 )  
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 A61K 39/395 ( 2006.01 )  
 A61P 25/16 ( 2006.01 )  
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 A61B 17/064 ( 2006.01 )  
 A61B 17/068 ( 2006.01 )  
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 G06T 11/60 ( 2006.01 )  
 G06F 40/186 ( 2020.01 )  
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     **G06T 5/40** ( 2006.01 )  
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     **G06Q 20/20** ( 2012.01 )  
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     **B29C 45/14** ( 2006.01 )  
     **B29C 70/30** ( 2006.01 )  
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     **A61K 35/34** ( 2015.01 )  
     **C12N 15/113** ( 2010.01 )  
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 (74) FB Rice Pty Ltd

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 (21) 2021203597 (22) 02.06.2021  
 (54) Cardiosphere-derived cells and exosomes secreted by such cells in the treatment of muscular dystrophy  
 (51) Int. Cl.  
     **A61K 35/34** ( 2015.01 )  
 (43) 01.07.2021  
 (44) 02.05.2024  
 (62) 2015327812  
 (72) MARBAN, Eduardo; AMINZADEH, Mark Amin  
 (74) FB Rice Pty Ltd

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(71) CEGLA Medizintechnik GmbH  
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 (21) 2021325277 (22) 03.05.2021  
 (54) Respiratory therapy instrument  
 (51) Int. Cl.  
     **A61M 16/00** ( 2006.01 )  
     **A61M 16/08** ( 2006.01 )  
     **A61M 16/20** ( 2006.01 )  
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 (31) 20190395.2 (32) 11.08.20 (33) EP  
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 (44) 02.05.2024  
 (72) EBINGER, Andrea  
 (74) GLMR

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(71) Centenary Institute of Cancer Medicine and Cell Biology; University of Sydney  
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 (21) 2018273799 (22) 25.05.2018  
 (54) Novel murine parvovirus and uses therefor  
 (51) Int. Cl.

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**C12N 15/86** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/53** ( 2006.01 )  
**(87)** WO2018/213888  
**(31)** 2017901985 **(32)** 25.05.17 **(33)** AU  
**(43)** 29.11.2018  
**(44)** 02.05.2024  
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 Tikoo, Shweta  
**(74)** Davies Collison Cave Pty Ltd

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 fique see Chu Montpellier**  
**(21)** 2017248682

**(71)** Centro de Inmunologia Molecular  
**(11)** AU-B-2020342140  
**(21)** 2020342140 **(22)** 19.02.2020  
**(54)** Human recombinant hyposialylated  
 erythropoietin, methods of purification  
 and therapeutic uses thereof  
**(51)** Int. Cl.  
**A61K 38/18** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07K 1/00** ( 2006.01 )  
**C07K 14/505** ( 2006.01 )  
**(87)** WO2021/043345  
**(31)** 2019-0077 **(32)** 05.09.19 **(33)** CU  
**(43)** 11.03.2021  
**(44)** 02.05.2024  
**(72)** RODRÍGUEZ OBAYA, Teresita de Je-  
 sus; AMARO GONZÁLEZ, Daniel En-  
 rique; GARCÍA ARTALEJO, Judey  
 Aymed; SOSA TESTÉ, Iliana Maria;  
 SARMIENTO CONDE, Yanara;  
 HERNÁNDEZ DE LA ROSA, Lourdes;  
 DÍAZ GOIRE, Dayli; GIMÉNEZ LÓPEZ,  
 Estela  
**(74)** Zone Patents Limited

**(71)** Ceva Sante Animale  
**(11)** AU-B-2018316531  
**(21)** 2018316531 **(22)** 17.08.2018  
**(54)** Oral compositions and the preparation  
 methods thereof  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
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**A61K 31/65** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**(87)** WO2019/034763  
**(31)** 17306078.1 **(32)** 17.08.17 **(33)** EP  
**(43)** 21.02.2019  
**(44)** 02.05.2024  
**(72)** GARCIA, Rosita; CHARLES, Romain  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Charles Sturt University  
**(11)** AU-B-202224834  
**(21)** 202224834 **(22)** 02.09.2022  
**(54)** Novel, heavy vitamin B12 derivatives  
**(51)** Int. Cl.  
**C07H 23/00** ( 2006.01 )  
**A61K 31/714** ( 2006.01 )  
**G01N 33/82** ( 2006.01 )

**(43)** 29.09.2022  
**(44)** 02.05.2024  
**(62)** 2021201778  
**(72)** Anderson, Peter  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Che, Y.  
**(11)** AU-B-2019364866  
**(21)** 2019364866 **(22)** 24.04.2019  
**(54)** Hydraulic pressure power battery  
**(51)** Int. Cl.  
**F03B 17/04** ( 2006.01 )  
**F03B 9/00** ( 2006.01 )  
**(87)** WO2020/082161  
**(31)** 3022123 **(32)** 25.10.18 **(33)** CA  
**(43)** 30.04.2020  
**(44)** 02.05.2024  
**(72)** CHE, Yanjun  
**(74)** MOHAN MURALI KODIVEL

**(71)** Chen Plotkin, A.; Amado, D.; Reiders,  
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 adelphia; The Trustees of the University  
 of Pennsylvania  
**(11)** AU-B-2017227803  
**(21)** 2017227803 **(22)** 02.03.2017  
**(54)** Therapy for frontotemporal dementia  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**(87)** WO2017/151884  
**(31)** 62/302,525 **(32)** 02.03.16 **(33)** US  
**(43)** 08.09.2017  
**(44)** 02.05.2024  
**(72)** Chen Plotkin, Alice; Amado, Defne; Re-  
 iders, Julianne; Davidson, Beverly L.  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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 CLIFFS GEOMECHANICAL ANALYSIS  
 LIMITED  
**(11)** AU-B-2021355374  
**(21)** 2021355374 **(22)** 13.09.2021  
**(54)** SUBSURFACE CHARACTERISTIC  
 MODELING  
**(51)** Int. Cl.  
**G01V 1/28** ( 2006.01 )  
**E21B 43/00** ( 2006.01 )  
**E21B 47/10** ( 2012.01 )  
**G01V 1/34** ( 2006.01 )  
**(87)** WO2022/072135  
**(31)** 17/036,459 **(32)** 29.09.20 **(33)** US  
**(43)** 07.04.2022  
**(44)** 02.05.2024  
**(72)** CROOK, Anthony, James, Lister;  
 THORNTON, Dean, Andrew; ADACHI,  
 Jose, I.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Chevron U.S.A Inc.; GeoQuest Sys-  
 tems B.V.  
**(11)** AU-B-2022252835  
**(21)** 2022252835 **(22)** 14.10.2022  
**(54)** Acceleration of subsurface simulation  
 using filtered grid connectivity graph  
**(51)** Int. Cl.

**G06F 30/20** ( 2020.01 )  
**G01V 99/00** ( 2009.01 )  
**(31)** 17/506,347 **(32)** 20.10.21 **(33)** US  
**(43)** 04.05.2023  
**(44)** 02.05.2024  
**(72)** WATANABE, Shingo; NATVIG, Jostein;  
 TOMIN, Pavel  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Chr. Hansen HMO GmbH  
**(11)** AU-B-2018373415  
**(21)** 2018373415 **(22)** 31.10.2018  
**(54)** Process for the purification of a sialic  
 acid from a fermentation broth  
**(51)** Int. Cl.  
**C12P 19/26** ( 2006.01 )  
**A23L 33/125** ( 2016.01 )  
**A61K 31/70** ( 2006.01 )  
**C07H 1/06** ( 2006.01 )  
**C07H 13/04** ( 2006.01 )  
**(87)** WO2019/101489  
**(31)** 17202833.4 **(32)** 21.11.17 **(33)** EP  
**(43)** 31.05.2019  
**(44)** 02.05.2024  
**(72)** JENNEWEIN, Stefan; HELFRICH,  
 Markus  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Chr. Hansen HMO GmbH  
**(11)** AU-B-2018373610  
**(21)** 2018373610 **(22)** 15.11.2018  
**(54)** Process for the purification of L-fucose  
 from a fermentation broth  
**(51)** Int. Cl.  
**C12P 19/02** ( 2006.01 )  
**A23L 33/125** ( 2016.01 )  
**A61K 31/70** ( 2006.01 )  
**C07H 1/06** ( 2006.01 )  
**C07H 3/08** ( 2006.01 )  
**(87)** WO2019/101629  
**(31)** 17202833.4 **(32)** 21.11.17 **(33)** EP  
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**(44)** 02.05.2024  
**(72)** HELFRICH, Markus; JENNEWEIN,  
 Stefan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Chr. Hansen HMO GmbH  
**(11)** AU-B-2019276095  
**(21)** 2019276095 **(22)** 29.05.2019  
**(54)** A simple method for the purification of a  
 sialyllactose  
**(51)** Int. Cl.  
**A23C 9/13** ( 2006.01 )  
**A23C 9/142** ( 2006.01 )  
**(87)** WO2019/229118  
**(31)** 18175602.4 **(32)** 01.06.18 **(33)** EP  
**(43)** 05.12.2019  
**(44)** 02.05.2024  
**(72)** JENNEWEIN, Stefan; HELFRICH,  
 Markus; ENGELS, Benedikt  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Chugai Seiyaku Kabushiki Kaisha  
**(11)** AU-B-2017285764

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 (54) Anti-myostatin antibodies and methods of use  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
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*A61P 3/04* ( 2006.01 )  
*A61P 21/00* ( 2006.01 )  
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 (31) 2016-120337 (32) 17.06.16 (33) JP  
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- (71) Chugai Seiyaku Kabushiki Kaisha; F. Hoffmann-La Roche AG; Osaka University  
 (11) AU-B-2019315213  
 (21) 2019315213 (22) 01.08.2019  
 (54) A pharmaceutical composition for use in the treatment or prevention of a C5-related disease and a method for treating or preventing a C5-related disease  
 (51) Int. Cl.  
*A61K 39/00* ( 2006.01 )  
*A61P 7/00* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
 (87) WO2020/027279  
 (31) 62/713,211 (32) 01.08.18 (33) US  
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 (43) 06.02.2020  
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 (21) 2019479791 (22) 27.12.2019  
 (54) Anti-CTLA-4 antibody and use thereof  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
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 (43) 01.07.2021  
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 (74) Spruson & Ferguson
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- (71) Chu Montpellier; Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris; Centre National de la Recherche Scientifique; Université de Montpellier; AXLR, Satt Du Languedoc Roussillon  
 (11) AU-B-2017248682  
 (21) 2017248682 (22) 18.04.2017  
 (54) Method for detecting and/or characterising tumour cells and associated apparatus  
 (51) Int. Cl.  
*G01N 33/543* ( 2006.01 )  
*B01L 3/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Cimon Medical AS - Org.Nr.923156445  
 (11) AU-B-2019218655  
 (21) 2019218655 (22) 07.02.2019  
 (54) Ultrasound blood-flow monitoring  
 (51) Int. Cl.  
*A61B 8/06* ( 2006.01 )  
*A61B 8/00* ( 2006.01 )  
*A61B 8/08* ( 2006.01 )  
 (87) WO2019/155226  
 (31) 1802007.3 (32) 07.02.18 (33) GB  
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 (44) 02.05.2024  
 (72) TORP, Hans; HERGUM, Torbjørn  
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- (71) CJ Cheiljedang Corporation  
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 (21) 2021255207 (22) 14.04.2021  
 (54) FROZEN COOKED RICE AND METHOD FOR PREPARING THEREOF  
 (51) Int. Cl.  
*A23L 7/10* ( 2016.01 )  
*A23D 9/00* ( 2006.01 )  
*A23L 3/36* ( 2006.01 )  
*A23L 23/00* ( 2016.01 )  
*A23P 20/10* ( 2016.01 )  
*A23P 30/00* ( 2016.01 )  
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- (71) CNGmotive, Inc.  
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 (21) 2018384640 (22) 11.12.2018  
 (54) Railroad car having multiple penetration resistant and protective structures  
 (51) Int. Cl.  
*B61F 1/00* ( 2006.01 )  
*B61D 3/00* ( 2006.01 )  
*B61F 1/10* ( 2006.01 )
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- (71) Cold Spring Harbor Laboratory; DepYmed, Inc.  
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 (21) 2018360845 (22) 06.11.2018  
 (54) Method and compositions for forming a copper-containing complex and uses thereof  
 (51) Int. Cl.  
*A61K 31/58* ( 2006.01 )  
*A61K 31/00* ( 2006.01 )  
*A61K 31/132* ( 2006.01 )  
*A61K 31/56* ( 2006.01 )  
*C07J 43/00* ( 2006.01 )  
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 (31) 62/582,045 (32) 06.11.17 (33) US  
 (43) 09.05.2019  
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 (74) Phillips Ormonde Fitzpatrick
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- (71) Colgate-Palmolive Company  
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 (21) 2019472201 (22) 01.11.2019  
 (54) Stable low pH personal care compositions and methods for the same  
 (51) Int. Cl.  
*A61K 8/06* ( 2006.01 )  
*A61K 8/34* ( 2006.01 )  
*A61K 8/37* ( 2006.01 )  
*A61K 8/41* ( 2006.01 )  
*A61K 8/86* ( 2006.01 )  
*A61Q 19/00* ( 2006.01 )  
 (87) WO2021/086403  
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 (44) 02.05.2024  
 (72) DEWDNEY, Nadine; BOYKE, Christine  
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 (11) AU-B-2018389172  
 (21) 2018389172 (22) 20.12.2018  
 (54) Ostomy appliance with layered base plate and/or sensor assembly part and related methods  
 (51) Int. Cl.  
*A61F 5/44* ( 2006.01 )  
*A61F 5/443* ( 2006.01 )  
*A61F 5/445* ( 2006.01 )  
 (87) WO2019/120436  
 (31) PA 2017 70993 (32) 22.12.17 (33) DK  
 (43) 27.06.2019  
 (44) 02.05.2024  
 (72) HANSEN, Jais Ask; LARSEN, Lars Erup; HVID, Niels; THOEGERSEN, Klaus  
 (74) FB Rice Pty Ltd

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(71) Coloplast A/S  
 (11) AU-B-2018391313  
 (21) 2018391313 (22) 20.12.2018  
 (54) Accessory devices of an ostomy system, and related methods for communicating operating state  
 (51) Int. Cl.  
     **A61F 5/443** ( 2006.01 )  
     **A61F 5/445** ( 2006.01 )  
 (87) WO2019/120432  
 (31) PA 2017 70988 (32) 22.12.17 (33) DK  
 (43) 27.06.2019  
 (44) 02.05.2024  
 (72) HANSEN, Jais Ask; HVID, Niels; DAUGAARD-JENSEN, Daniel Gewecke; SOERENSEN, Peter Flinholm; ANDERSEN, Dan Boegsted  
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 (11) AU-B-2018391316  
 (21) 2018391316 (22) 20.12.2018  
 (54) Ostomy appliance with selective sensor points and related methods  
 (51) Int. Cl.  
     **A61F 5/44** ( 2006.01 )  
     **A61F 5/443** ( 2006.01 )  
     **A61F 5/445** ( 2006.01 )  
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 (31) PA 2017 70992 (32) 22.12.17 (33) DK  
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 (72) HANSEN, Jais Ask; LARSEN, Lars Erup; HVID, Niels; SPEIERMANN, Finn; THOEGERSEN, Klaus  
 (74) FB Rice Pty Ltd

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(71) Coloplast A/S  
 (11) AU-B-2019233300  
 (21) 2019233300 (22) 15.03.2019  
 (54) Apparatus and methods for determining ostomy appliance wear time based on sensor data  
 (51) Int. Cl.  
     **A61F 5/445** ( 2006.01 )  
     **A61F 5/443** ( 2006.01 )  
     **A61B 5/00** ( 2006.01 )  
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 (44) 02.05.2024  
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 (74) FB Rice Pty Ltd

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(71) Combinati Incorporated  
 (11) AU-B-2022202227  
 (21) 2022202227 (22) 01.04.2022  
 (54) Microfluidic siphoning array for nucleic acid quantification  
 (51) Int. Cl.  
     **B01J 19/24** ( 2006.01 )  
     **B01J 19/02** ( 2006.01 )  
     **B01L 3/04** ( 2006.01 )

(43) 21.04.2022  
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 (72) HUNG, Ju-Sung; ZAYAC, Andrew; DUECK, Megan  
 (74) Spruson & Ferguson

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(71) Commercialisation Express Pty Ltd  
 (11) AU-B-2023200473  
 (21) 2023200473 (22) 30.01.2023  
 (54) Improvements to Blockout Blind Systems  
 (51) Int. Cl.  
     **E06B 9/42** ( 2006.01 )  
     **E06B 9/78** ( 2006.01 )  
 (43) 02.03.2023  
 (44) 02.05.2024  
 (62) 2022200593  
 (72) RIEMELMOSER, John  
 (74) Arceo IP

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**COMMET INDUSTRIES PTY LTD see TAOUK, F.**  
 (21) 2023210685

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(71) Compagnie Generale des Etablissements Michelin  
 (11) AU-B-2019478843  
 (21) 2019478843 (22) 19.12.2019  
 (54) Truck tire tread with J shaped sipe  
 (51) Int. Cl.  
     **B60C 11/12** ( 2006.01 )  
     **B60C 11/03** ( 2006.01 )  
 (87) WO2021/126202  
 (43) 24.06.2021  
 (44) 02.05.2024  
 (72) ABAROTIN, Victor; HICKS, Daniel McEachern  
 (74) Griffith Hack

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(71) Compagnie Generale des Etablissements Michelin  
 (11) AU-B-2019481062  
 (21) 2019481062 (22) 30.12.2019  
 (54) Inner liner with improved permeability properties  
 (51) Int. Cl.  
     **B60C 1/00** ( 2006.01 )  
     **C08L 23/22** ( 2006.01 )  
 (87) WO2021/137847  
 (43) 08.07.2021  
 (44) 02.05.2024  
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 (74) Griffith Hack

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(71) Comprite Mining Pty Ltd  
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 (21) 2018375020 (22) 28.11.2018  
 (54) Non-metallic split set rockbolt  
 (51) Int. Cl.  
     **E21D 21/00** ( 2006.01 )  
 (87) WO2019/109111  
 (31) 2017/08057 (32) 28.11.17 (33) ZA  
 (43) 06.06.2019

(44) 02.05.2024  
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 (74) Argon IP Advisory Pty Ltd

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(71) Compugen Ltd.  
 (11) AU-B-2020264349  
 (21) 2020264349 (22) 05.11.2020  
 (54) Anti-PVRIG antibodies and methods of use  
 (51) Int. Cl.  
     **C07K 16/28** ( 2006.01 )  
     **A61K 38/00** ( 2006.01 )  
     **C07K 14/00** ( 2006.01 )  
     **C12N 15/113** ( 2010.01 )  
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 (44) 02.05.2024  
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 (74) Davies Collison Cave Pty Ltd

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(71) ConMed Corporation  
 (11) AU-B-2021289448  
 (21) 2021289448 (22) 09.06.2021  
 (54) Disposable arthroscopic suture cutting device  
 (51) Int. Cl.  
     **A61B 17/04** ( 2006.01 )  
 (87) WO2021/252608  
 (31) 63/036,673 (32) 09.06.20 (33) US  
 (43) 16.12.2021  
 (44) 02.05.2024  
 (72) MILLER, Peter; MUSER, Andrew  
 (74) Griffith Hack

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(71) ConMed Corporation  
 (11) AU-B-2022256162  
 (21) 2022256162 (22) 20.10.2022  
 (54) Soft-thread cannula and cannula seal assembly  
 (51) Int. Cl.  
     **A61B 17/34** ( 2006.01 )  
     **A61B 17/00** ( 2006.01 )  
 (43) 24.11.2022  
 (44) 02.05.2024  
 (62) 2019416369  
 (72) ISSHIKI, Ryo  
 (74) Griffith Hack

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(71) Contemporary Amperex Technology Co., Limited  
 (11) AU-B-2021435254  
 (21) 2021435254 (22) 13.04.2021  
 (54) Fan assembly, power supply device, and method for manufacturing power supply device  
 (51) Int. Cl.  
     **F04D 25/08** ( 2006.01 )

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**F16H 57/029** ( 2012.01 )  
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**E06C 5/24** ( 2006.01 )  
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**(74)** Patentec Patent Attorneys

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**B05B 5/08** ( 2006.01 )  
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**B01D 46/52** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**C07K 16/46** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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     F24F 110/12 ( 2018.01 )  
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     A61P 31/12 ( 2006.01 )  
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     C12N 1/20 ( 2006.01 )  
     A23K 10/16 ( 2016.01 )  
     A23L 33/135 ( 2016.01 )  
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     C12N 1/20 ( 2006.01 )  
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**A61P 3/04** ( 2006.01 )  
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 composition for preventing or treating  
 metabolic diseases containing same  
**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23K 10/16** ( 2016.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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**G06F 30/20** ( 2020.01 )  
**G06N 3/08** ( 2006.01 )  
**G06N 10/40** ( 2022.01 )  
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**A61P 1/16** ( 2006.01 )  
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**(54)** VEHICLE JUMP STARTER DEVICE  
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**B60L 53/22** ( 2019.01 )  
**H02J 7/00** ( 2006.01 )  
**H02J 7/14** ( 2006.01 )  
**H02J 7/18** ( 2006.01 )  
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**A01G 31/06** ( 2006.01 )  
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**(72)** HOWE, Mathew Robert  
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**C07K 14/575** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61K 38/26** ( 2006.01 )  
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 Zhuowei; LI, Jian; LONG, Chaofeng;  
 CHEN, Shuhui  
**(74)** Madderns Pty Ltd

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 CO., LTD.  
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**(54)** (not in English)  
**(51)** Int. Cl.  
**C11D 3/50** ( 2006.01 )  
**C11D 3/04** ( 2006.01 )  
**C11D 3/10** ( 2006.01 )  
**C11D 3/12** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/22** ( 2006.01 )  
**C11D 3/37** ( 2006.01 )  
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 WANG, Quanwei; YU, Jie  
**(74)** LAMINAR IP PTY LTD

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 MIC BIOTECHNOLOGY CO., LTD.;  
 OCUSUN OPHTHALMIC PHARMA-  
 CEUTICAL (GUANGZHOU) CO., LTD.  
**(11)** AU-B-2021408195  
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 TYPE COMPOUND AS ROCK PRO-  
 TEIN KINASE INHIBITOR AND PRE-  
 PARATION METHOD THEREFOR  
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**C07D 401/12** ( 2006.01 )  
**A61K 31/551** ( 2006.01 )  
**A61P 7/02** ( 2006.01 )  
**A61P 9/08** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
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 WU, Lingyun; YOU, Xu; XIAO, Zhem-  
 ing; CHEN, Shuhui  
**(74)** MINTER ELLISON

**Guangzhou Shikun Electronics Co., Ltd.**  
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 nology Company Limited**  
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*G10L 21/003* ( 2013.01 )  
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 (21) 2021266850

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*G06Q 50/02* ( 2012.01 )  
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*C12N 7/00* ( 2006.01 )  
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*B41J 2/175* ( 2006.01 )  
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*C07K 19/00* ( 2006.01 )  
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*C12N 15/09* ( 2006.01 )  
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*A61P 27/02* ( 2006.01 )  
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*A61F 11/14* ( 2006.01 )  
*G06F 3/16* ( 2006.01 )  
*H04R 1/10* ( 2006.01 )  
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*C07K 16/46* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) Huaneng Clean Energy Research Institute  
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 (21) 2021325250 (22) 12.08.2021  
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*B01D 5/00* ( 2006.01 )  
*B01D 7/00* ( 2006.01 )  
*B01D 53/00* ( 2006.01 )  
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 (74) Madderns Pty Ltd
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 (54) Power converter, photovoltaic power generation system, and method and apparatus  
 (51) Int. Cl.  
*H02J 3/38* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
*H02M 7/48* ( 2007.01 )  
*H02M 7/72* ( 2006.01 )  
*H02S 40/32* ( 2014.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (51) Int. Cl.  
*H04W 28/16* ( 2009.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Technologies Co., Ltd.  
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 (54) FOLDING APPARATUS AND ELECTRONIC DEVICE  
 (51) Int. Cl.

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**G06F 1/16** ( 2006.01 )  
**H04M 1/02** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2021298655  
**(21)** 2021298655 **(22)** 01.07.2021  
**(54)** Multi-link establishment method and communication apparatus  
**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04W 76/15** ( 2018.01 )  
**(87)** WO2022/002221  
**(31)** 202010632127.0 **(32)** 03.07.20 **(33)** CN  
**(43)** 06.01.2022  
**(44)** 02.05.2024  
**(72)** HUANG, Guogang; LI, Yunbo; GAN, Ming; GUO, Yuchen  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2021323746  
**(21)** 2021323746 **(22)** 21.07.2021  
**(54)** Channel contention method and related apparatus  
**(51)** Int. Cl.  
**H04B 17/318** ( 2015.01 )  
**H04W 24/10** ( 2009.01 )  
**(87)** WO2022/033283  
**(31)** 202010820609.9 **(32)** 14.08.20 **(33)** CN  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
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**(21)** 2022204212 **(22)** 16.06.2022  
**(54)** Filter flags for subpicture deblocking  
**(51)** Int. Cl.  
**H04N 19/134** ( 2014.01 )  
**G06V 10/44** ( 2022.01 )  
**H04N 19/117** ( 2014.01 )  
**H04N 19/52** ( 2014.01 )  
**H04N 19/55** ( 2014.01 )  
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**G06V 10/44** ( 2022.01 )  
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**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2022218507  
**(21)** 2022218507 **(22)** 17.08.2022  
**(54)** Multi-channel signal encoding method and encoder  
**(51)** Int. Cl.  
**G10L 19/008** ( 2013.01 )  
**(43)** 08.09.2022  
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**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2023200956  
**(21)** 2023200956 **(22)** 17.02.2023  
**(54)** Video data inter prediction method and apparatus  
**(51)** Int. Cl.  
**H04N 19/107** ( 2014.01 )  
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**H04N 19/176** ( 2014.01 )  
**H04N 19/56** ( 2014.01 )  
**H04N 19/567** ( 2014.01 )  
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**(51)** Int. Cl.  
**A62D 1/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**B04B 13/00** ( 2006.01 )  
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**B24B 7/18** ( 2006.01 )  
**B24B 55/06** ( 2006.01 )  
**B24B 55/10** ( 2006.01 )  
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**(43)** 14.03.2019  
**(44)** 02.05.2024  
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**(74)** Spruson & Ferguson

**(71)** HVRT Corp.  
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**(54)** Systems and methods for shooting simulation and training  
**(51)** Int. Cl.  
**F41A 33/00** ( 2006.01 )  
**F41A 33/02** ( 2006.01 )  
**F41A 33/06** ( 2006.01 )  
**F41G 3/26** ( 2006.01 )  
**F41J 5/00** ( 2006.01 )  
**F41J 5/10** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(71)** Ichor Medical Systems, Inc.  
**(11)** AU-B-2022202299  
**(21)** 2022202299 **(22)** 06.04.2022  
**(54)** Method and apparatus for delivery of therapeutic agents

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**A61N 1/08** ( 2006.01 )  
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**A61N 1/32** ( 2006.01 )  
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**G06Q 20/38** ( 2012.01 )  
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**(21)** 2020202422 **(22)** 08.04.2020  
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**(51)** Int. Cl.  
**G06N 3/02** ( 2006.01 )  
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**(43)** 26.11.2020  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2021342362 **(22)** 28.07.2021  
**(54)** Power adjustment method and power adjustment device  
**(51)** Int. Cl.  
**H02J 7/34** ( 2006.01 )  
**H02J 3/00** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )  
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**(72)** HAMAGUCHI, Kenichi; INAMURA, Akinobu; KOGUMA, Yuji  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-B-2022285256

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**(51)** Int. Cl.  
**F23N 1/00** ( 2006.01 )  
**F23C 1/00** ( 2006.01 )  
**F23G 5/50** ( 2006.01 )  
**F23J 15/00** ( 2006.01 )  
**F23K 3/02** ( 2006.01 )  
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**(54)** Application of safety railing to a building structure  
**(51)** Int. Cl.  
**E04G 3/24** ( 2006.01 )  
**E04B 5/12** ( 2006.01 )  
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**(72)** Kennelly, Bernard Joseph  
**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2022200050 **(22)** 06.01.2022  
**(54)** Self-drilling self-tapping fastener  
**(51)** Int. Cl.  
**F16B 25/10** ( 2006.01 )  
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**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01L 9/00** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )  
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**(11)** AU-B-2022204163  
**(21)** 2022204163 **(22)** 15.06.2022

- (54)** Selective sulfonation of benzodiazepine derivatives  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
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**(54)** Methods of preparing indolinobenzodiazepine derivatives  
**(51)** Int. Cl.  
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**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-B-2021215266  
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**(54)** Apparatus for controlling flow of intestinal contents in a patient's intestines  
**(51)** Int. Cl.  
**A61F 2/04** ( 2013.01 )  
**(43)** 02.09.2021  
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**(72)** Forsell, Peter  
**(74)** WRAYS PTY LTD
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**(11)** AU-B-2022202605  
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**(51)** Int. Cl.  
**A23D 7/005** ( 2006.01 )  
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**A23J 1/00** ( 2006.01 )  
**A23J 1/06** ( 2006.01 )  
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**(62)** 2020200283  
**(72)** Fraser, Rachel; Brown, Patrick O'Reilly; Karr, Jessica; Holz-Schietinger, Celeste; Cohn, Elysia  
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**H04N 13/254** ( 2018.01 )  
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- (51) Int. Cl.  
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- (72) NIEUWBORG, Jan; WELLENS, Jan
- (74) IP SOLVED (ANZ) PTY. LTD.
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- (54) METHOD AND SYSTEM FOR JOINT TRANSMISSION OF VARIOUS EMERGENCY POWER GENERATION EQUIPMENT
- (51) Int. Cl.  
**H02J 3/38** ( 2006.01 )  
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- (54) Microcapsule, preparation method and application thereof
- (51) Int. Cl.  
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- (21) 2018336632 (22) 24.08.2018
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**A61Q 5/00** ( 2006.01 )
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- (44) 02.05.2024
- (72) KRZYSIK, Duane
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- (54) Needle array for electroporation device
- (51) Int. Cl.  
**A61N 1/18** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
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**A61F 7/00** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )  
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- (62) 2016381186
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- (54) Method and system of laser-driven intense x-ray photons imaging
- (51) Int. Cl.  
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**H04N 5/32** ( 2006.01 )
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- (74) Adams Pluck
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- (51) Int. Cl.  
**B01L 3/00** ( 2006.01 )
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- (62) 2020204565
- (72) ZENG, Hansong; BLANKENSTEIN, Gert
- (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (11) AU-B-2021237822
- (21) 2021237822 (22) 19.02.2021
- (54) Phase change material switch and method of fabricating same
- (51) Int. Cl.  
**H01L 29/00** ( 2006.01 )
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- (31) 16/821,660 (32) 17.03.20 (33) US  
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- (21) 2021252200 (22) 17.03.2021
- (54) Key attribute verification
- (51) Int. Cl.  
**H04L 9/20** ( 2006.01 )
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- (21) 2021267918 (22) 20.04.2021
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- (51) Int. Cl.  
**H01L 33/00** ( 2010.01 )
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- (21) 2021291163 (22) 04.06.2021
- (54) Sloped epitaxy buried contact
- (51) Int. Cl.

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**(44)** 02.05.2024  
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**(74)** Spruson & Ferguson

**(71)** International Business Machines Corporation  
**(11)** AU-B-2021299948  
**(21)** 2021299948 **(22)** 29.06.2021  
**(54)** Quantum device facilitating suppression of ZZ interactions between two-junction superconducting qubits  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**(87)** WO2022/002944  
**(31)** 16/917,056 **(32)** 30.06.20 **(33)** US  
**(43)** 06.01.2022  
**(44)** 02.05.2024  
**(72)** FINCK, Aaron; CARNIOL, April; BLAIR, John  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Corporation  
**(11)** AU-B-2021308570  
**(21)** 2021308570 **(22)** 13.07.2021  
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**(51)** Int. Cl.  
**G06F 9/44** ( 2018.01 )  
**(87)** WO2022/013735  
**(31)** 16/930,874 **(32)** 16.07.20 **(33)** US  
**(43)** 20.01.2022  
**(44)** 02.05.2024  
**(72)** OKADA, Masakuni; UENOHARA, Hayato; MATSUNAGA, Takuya  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Corporation  
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**(21)** 2021343288 **(22)** 17.09.2021  
**(54)** Quantum device facilitating a cross-resonance operation in a dispersive regime  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**G06N 10/40** ( 2022.01 )  
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**(72)** GAMBETTA, Jay; CHOW, Jerry; MAGESAN, Easwar; KANDALA, Abhinav; MINEV, Zlatko  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Corporation  
**(11)** AU-B-2021344568  
**(21)** 2021344568 **(22)** 10.09.2021  
**(54)** Optically multiplexed quantum control

**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**H04B 10/50** ( 2013.01 )  
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**(43)** 24.03.2022  
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**(21)** 2021349118 **(22)** 21.09.2021  
**(54)** Current biased tunable qubit  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**(87)** WO2022/063736  
**(31)** 17/031,369 **(32)** 24.09.20 **(33)** US  
**(43)** 31.03.2022  
**(44)** 02.05.2024  
**(72)** PHUNG, Timothy  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Corporation  
**(11)** AU-B-2021350781  
**(21)** 2021350781 **(22)** 14.09.2021  
**(54)** Storage tiering within a unified storage environment  
**(51)** Int. Cl.  
**G06F 12/08** ( 2016.01 )  
**G06F 16/182** ( 2019.01 )  
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**(43)** 31.03.2022  
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**(74)** Spruson & Ferguson

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**(21)** 2021353034 **(22)** 29.09.2021  
**(54)** Josephson double balanced coupler  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
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**(43)** 07.04.2022  
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**(72)** SUTTLE, Joseph; BECK, Matthew  
**(74)** Spruson & Ferguson

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**(11)** AU-B-2021363719  
**(21)** 2021363719 **(22)** 08.10.2021  
**(54)** Generating and updating a performance report  
**(51)** Int. Cl.  
**G06F 11/34** ( 2006.01 )  
**(87)** WO2022/084789  
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**(21)** 2021378062 **(22)** 09.11.2021  
**(54)** Strategic pausing for quantum state leakage mitigation  
**(51)** Int. Cl.  
**G06N 10/70** ( 2022.01 )  
**(87)** WO2022/101229  
**(31)** 17/096,170 **(32)** 12.11.20 **(33)** US  
**(43)** 19.05.2022  
**(44)** 02.05.2024  
**(72)** DIAL, Oliver; CORCOLES-GONZALEZ, Antonio; TAKITA, Maika; MCKAY, David  
**(74)** Spruson & Ferguson

**(71)** INTERNATIONAL BUSINESS MACHINES CORPORATION  
**(11)** AU-B-2021360289  
**(21)** 2021360289 **(22)** 06.10.2021  
**(54)** REMOTE SYSTEM UPDATE AND MONITORING  
**(51)** Int. Cl.  
**G06F 9/445** ( 2018.01 )  
**(87)** WO2022/079548  
**(31)** 17/070,227 **(32)** 14.10.20 **(33)** US  
**(43)** 21.04.2022  
**(44)** 02.05.2024  
**(72)** VALENTINE, Brian; EGGLESTON, John; Dale; BOISVERT, Brent; ALLEN, Michael; LUCKS, Michael; DREW, Brendon  
**(74)** Spruson & Ferguson

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**(11)** AU-B-2019201972  
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**A61K 39/193** ( 2006.01 )  
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**A61P 31/00** ( 2006.01 )  
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**B66B 1/34** ( 2006.01 )  
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**H01R 25/00** ( 2006.01 )  
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**C09C 3/08** ( 2006.01 )  
**C09D 7/61** ( 2018.01 )  
**C09D 11/037** ( 2014.01 )  
**C09D 201/00** ( 2006.01 )  
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**B64C 37/00** ( 2006.01 )  
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**A61C 1/08** ( 2006.01 )  
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*C07D 413/14* ( 2006.01 )  
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     E21B 12/02 (2006.01)  
     E21B 10/00 (2006.01)  
     E21C 25/10 (2006.01)  
     E21C 35/18 (2006.01)  
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     C25B 3/26 (2021.01)  
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     C01B 13/02 (2006.01)  
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     H02B 1/28 (2006.01)  
     H02G 3/10 (2006.01)  
     H05K 5/02 (2006.01)  
     H05K 5/03 (2006.01)  
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     F02C 6/00 (2006.01)  
     F02C 6/06 (2006.01)  
     F02C 7/06 (2006.01)  
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     B25H 3/02 (2006.01)  
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     A01H 3/00 (2006.01)  
     A01H 5/08 (2018.01)  
     A01H 5/10 (2018.01)  
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     A47K 10/42 (2006.01)  
     B65D 5/36 (2006.01)  
     B65D 75/00 (2006.01)  
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 (11) AU-B-2021394613  
 (21) 2021394613 (22) 19.11.2021

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 (51) Int. Cl.  
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*B32B 27/16* ( 2006.01 )  
*B32B 27/30* ( 2006.01 )  
*B32B 27/32* ( 2006.01 )  
*B32B 27/34* ( 2006.01 )  
*B32B 27/36* ( 2006.01 )  
*B32B 33/00* ( 2006.01 )  
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*C01C 1/04* ( 2006.01 )  
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**A45D 2/48** ( 2006.01 )  
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**A47L 11/40** ( 2006.01 )  
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**D06F 33/42** ( 2020.01 )  
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**H04N 19/82** ( 2014.01 )  
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**C03C 3/066** ( 2006.01 )  
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**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04L 1/04** ( 2006.01 )  
**H04L 5/00** ( 2006.01 )  
**H04L 27/26** ( 2006.01 )  
**H04W 72/04** ( 2009.01 )  
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**(51)** Int. Cl.  
**H05B 6/06** ( 2006.01 )  
**H02M 1/34** ( 2007.01 )  
**H02M 7/5387** ( 2007.01 )  
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**(51)** Int. Cl.  
**D06F 58/22** ( 2006.01 )  
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**(54)** Home Appliance  
**(51)** Int. Cl.  
**F21V 33/00** ( 2006.01 )  
**A47B 96/20** ( 2006.01 )  
**A47L 15/42** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
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**(54)** Cleaning apparatus  
**(51)** Int. Cl.  
**A47L 9/16** ( 2006.01 )  
**A47L 9/28** ( 2006.01 )  
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**E04B 9/00** ( 2006.01 )  
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**E04B 1/94** ( 2006.01 )  
**E04B 7/04** ( 2006.01 )  
**E04C 3/29** ( 2006.01 )  
**E04B 1/74** ( 2006.01 )  
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**(54)** Chemical sensor  
**(51)** Int. Cl.  
**G01N 27/327** ( 2006.01 )  
**C12Q 1/00** ( 2006.01 )  
**G01N 27/414** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** Improved glenoid anchor for a shoulder joint prosthesis  
**(51)** Int. Cl.  
**A61F 2/30** ( 2006.01 )  
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**B65G 15/32** ( 2006.01 )  
**B29D 29/08** ( 2006.01 )  
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**(54)** Long lasting cosmetic compositions  
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**C08G 18/66** ( 2006.01 )  
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**(11)** AU-B-2022202055  
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**(54)** Inertial Hydrodynamic Pump  
**(51)** Int. Cl.  
**F04D 29/22** ( 2006.01 )  
**F04D 29/44** ( 2006.01 )  
**(43)** 14.04.2022

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 (54) Inertial hydrodynamic pump and wave  
 engine  
 (51) Int. Cl.  
 F04D 29/22 ( 2006.01 )  
 F04D 29/44 ( 2006.01 )

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 Daniel William  
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 (54) Apparatus and methods for eye track-  
 ing based on eye imaging via a light-  
 guide optical element  
 (51) Int. Cl.  
 G02B 27/00 ( 2006.01 )  
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 G02B 27/28 ( 2006.01 )  
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 A61M 1/36 ( 2006.01 )  
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**A61K 31/14** ( 2006.01 )  
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**B65G 53/66** ( 2006.01 )  
**G05D 7/06** ( 2006.01 )  
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**C10J 3/46** ( 2006.01 )  
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**F17C 13/08** ( 2006.01 )  
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**(44)** 02.05.2024  
**(72)** Hemminghaus, John W.; Klopff, Gary J.; Whitteck, John T.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Monsanto Technology LLC  
**(11)** AU-B-2022202219  
**(21)** 2022202219      **(22)** 01.04.2022  
**(54)** Brassica Event MON94100 and Methods of Use Thereof  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**(43)** 21.04.2022

**(44)** 02.05.2024  
**(62)** 2019362776  
**(72)** ELLIS, Christine; GUO, Shirley X.; LECLERE, Sherry; PENG, Mingsheng; WEIHE, Janice R.  
**(74)** Griffith Hack

**(71)** Motorola Solutions, Inc.  
**(11)** AU-B-2022218483  
**(21)** 2022218483      **(22)** 16.08.2022  
**(54)** METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR INTELLIGENT TRACKING AND DATA TRANSFORMATION BETWEEN INTERCONNECTED SENSOR DEVICES OF MIXED TYPE  
**(51)** Int. Cl.  
**G01S 13/86** ( 2006.01 )  
**G01S 13/70** ( 2006.01 )  
**G06F 18/2431** ( 2023.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 7/246** ( 2017.01 )  
**G06T 7/292** ( 2017.01 )  
**G06V 40/16** ( 2022.01 )  
**(43)** 08.09.2022  
**(44)** 02.05.2024  
**(62)** 2020281176  
**(72)** Sabripour, Shervin; Preston, John B.; Van Der Zaag, Bert; Koskan, Patrick D.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Murray and Poole Enterprises Limited  
**(11)** AU-B-2020294268  
**(21)** 2020294268      **(22)** 23.12.2020  
**(54)** Sustained-release formulations of colchicine and methods of using same  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 28.01.2021  
**(44)** 02.05.2024  
**(62)** 2019201048  
**(72)** Riel, Susanne  
**(74)** Spruson & Ferguson

**(71)** Myomo, Inc.  
**(11)** AU-B-2019232764  
**(21)** 2019232764      **(22)** 06.03.2019  
**(54)** Grasp assistance system and method  
**(51)** Int. Cl.  
**A61F 2/50** ( 2006.01 )  
**A61F 2/54** ( 2006.01 )  
**A61F 2/58** ( 2006.01 )  
**A61F 2/68** ( 2006.01 )  
**A61F 2/70** ( 2006.01 )  
**A61F 2/72** ( 2006.01 )  
**(87)** WO2019/173422  
**(31)** 62/640,609      **(32)** 09.03.18 **(33)** US  
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**(72)** KESNER, Samuel; PEISNER, Jeffrey; TACY, Gene; HARLAN, Andrew  
**(74)** BOSH IP Pty Ltd



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(71) Naber Holding GmbH & Co.  
 (11) AU-B-2022202843  
 (21) 2022202843 (22) 29.04.2022  
 (54) SILENCER FOR MOUNTING IN AN AIR DUCT  
 (51) Int. Cl.  
     **F24F 13/24** ( 2006.01 )  
     **F16L 55/033** ( 2006.01 )  
     **F24F 13/02** ( 2006.01 )  
 (31) 10 2021 113 240.1 (32) 21.05.21 (33) DE  
 (43) 08.12.2022  
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 (72) Naber, Hans-Joachim  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Nanjing Chervon Industry Co., Ltd.  
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 (54) Riding lawn mower and operation device thereof  
 (51) Int. Cl.  
     **A01D 34/00** ( 2006.01 )  
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 (44) 02.05.2024  
 (72) YANG, Dezhong; CAI, Jicun; DAI, Xibo; WANG, Zhen; YAMAOKA, Toshinari; MENG, Dingming  
 (74) Madderns Pty Ltd

(71) Nanjing Chervon Industry Co., Ltd.  
 (11) AU-B-2022265163  
 (21) 2022265163 (22) 25.03.2022  
 (54) REAR-MOVING SELF-PROPELLED WORKING MACHINE  
 (51) Int. Cl.  
     **A01D 34/68** ( 2006.01 )  
     **A01D 34/00** ( 2006.01 )  
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 (31) 202110457354.9 (32) 27.04.21 (33) CN  
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 (43) 03.11.2022  
 (44) 02.05.2024  
 (72) ZHU, Ronggen; REN, Yufei; YANG, Dezhong  
 (74) Madderns Pty Ltd

(71) Nanjing Saint Medical Technology Co., Ltd.  
 (11) AU-B-2020420975  
 (21) 2020420975 (22) 16.10.2020  
 (54) Structurally fitted transcatheter aortic valve implantation device  
 (51) Int. Cl.  
     **A61F 2/24** ( 2006.01 )  
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 (31) 202010021982.8 (32) 09.01.20 (33) CN  
 (43) 15.07.2021  
 (44) 02.05.2024  
 (72) MA, Chenming  
 (74) WRAYS PTY LTD

(71) Nanobiotix  
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 (54) Nanoparticles for use in enhancing brain performances or in treating stress  
 (51) Int. Cl.  
     **A61K 33/00** ( 2006.01 )  
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     **A61K 33/24** ( 2019.01 )  
     **A61K 47/00** ( 2006.01 )  
     **A61P 25/00** ( 2006.01 )  
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 (44) 02.05.2024  
 (72) POTTIER, Agnès; LEVY, Laurent; MEYRE, Marie-Edith  
 (74) Davies Collison Cave Pty Ltd

(71) Nanocomp Technologies, Inc.  
 (11) AU-B-2021230494  
 (21) 2021230494 (22) 01.03.2021  
 (54) Carbon nanotube sheet for air or water purification  
 (51) Int. Cl.  
     **B01D 29/62** ( 2006.01 )  
     **B01D 39/08** ( 2006.01 )  
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 (31) 62/983,795 (32) 02.03.20 (33) US  
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 (72) GAILLUS, David  
 (74) Oxygene IP

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 (21) 2017354900

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 (21) 2021255653 (22) 13.04.2021  
 (54) Processing seawater subsea  
 (51) Int. Cl.  
     **E21B 43/20** ( 2006.01 )  
     **B01D 61/00** ( 2006.01 )  
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     **E21B 41/00** ( 2006.01 )  
     **E21B 43/01** ( 2006.01 )  
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(31) 20169411.4 (32) 14.04.20 (33) EP  
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 (44) 02.05.2024  
 (72) PINCHIN, David; HARUNA, Ojonimi Samuel; GHORBANIYAN, Masoud  
 (74) Spruson & Ferguson

(71) National University Corporation Kochi University  
 (11) AU-B-2023201289  
 (21) 2023201289 (22) 02.03.2023  
 (54) Marker for pancreatic cancer and intraductal papillary mucinous neoplasms  
 (51) Int. Cl.  
     **C07K 14/47** ( 2006.01 )  
     **C12N 15/09** ( 2006.01 )  
     **G01N 33/53** ( 2006.01 )  
     **G01N 33/68** ( 2006.01 )  
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 (44) 02.05.2024  
 (62) 2021202237  
 (72) Taniuchi, Keisuke  
 (74) Davies Collison Cave Pty Ltd

(71) Native Biomedicals Ltd.  
 (11) AU-B-2020438735  
 (21) 2020438735 (22) 26.03.2020  
 (54) Novel Lactobacillus plantarum and lactic acid bacteria composition and use thereof for treating or preventing heavy metal related diseases  
 (51) Int. Cl.  
     **C12N 1/20** ( 2006.01 )  
     **A23L 33/135** ( 2016.01 )  
     **A61K 35/747** ( 2015.01 )  
     **A61P 39/02** ( 2006.01 )  
     **C12R 1/225** ( 2006.01 )  
     **C12R 1/25** ( 2006.01 )  
 (87) WO2021/189336  
 (43) 30.09.2021  
 (44) 02.05.2024  
 (72) TSAI, Cheng-Chih  
 (74) LAMINAR IP PTY LTD

(71) Natural Science, LLC  
 (11) AU-B-2017425203  
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 (54) Magnetization control and transportation of oil  
 (51) Int. Cl.  
     **C02F 1/40** ( 2006.01 )  
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     **E02B 15/04** ( 2006.01 )  
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 (31) 15/662,451 (32) 28.07.17 (33) US  
     15/700,720 11.09.17 US  
 (43) 31.01.2019  
 (44) 02.05.2024  
 (72) WARNER, Arden  
 (74) Adams Pluck

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 (21) 2018370745 (22) 21.11.2018  
 (54) Improved biorefinery of brown macroalgae  
 (51) Int. Cl.  
     **C08B 37/12** ( 2006.01 )  
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 (72) SMIT, Adrianus Theodorus; HUIJGEN, Wouter Johannes Joseph  
 (74) HENRY HUGHES IP LTD

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 (11) AU-B-2022291496  
 (21) 2022291496 (22) 21.12.2022  
 (54) Prosthetic valve with natural blood flow  
 (51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61M 60/00** ( 2021.01 )

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 (44) 02.05.2024  
 (62) 2020271896  
 (72) BANAI, Shmuel; HUNG, Kathleen; CHALEKIAN, Aaron J.; WONG, Karen Tsoek-Ji; FUNG, Eric Soun-Sang; HABERL, Connor Lucas; MOFFATT, David Andrew  
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 (54) Vestibulo-acoustic signal processing  
 (51) Int. Cl.  
**A61B 5/16** ( 2006.01 )  
**G06F 17/00** ( 2006.01 )

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 (31) 2017901878 (32) 18.05.17 (33) AU  
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 (44) 02.05.2024  
 (72) Lithgow, Brian John  
 (74) Davies Collison Cave Pty Ltd

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(71) Neuros Medical, Inc.  
 (11) AU-B-2018385603  
 (21) 2018385603 (22) 13.12.2018  
 (54) Nerve cuff deployment devices  
 (51) Int. Cl.  
**A61N 1/05** ( 2006.01 )

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 (31) 62/598,369 (32) 13.12.17 (33) US  
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 (21) 2021342061 (22) 08.09.2021  
 (54) IMPLANTABLE DEVICE FIXATION MECHANISMS  
 (51) Int. Cl.  
**A61N 1/02** ( 2006.01 )

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 (74) FB Rice Pty Ltd

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(71) Nevro Corp.  
 (11) AU-B-2022202537  
 (21) 2022202537 (22) 19.04.2022  
 (54) DEVICES FOR CONTROLLING SPINAL CORD MODULATION FOR INHIBITING PAIN, AND ASSOCIATED SYSTEMS AND METHODS, INCLUDING CONTROLLERS FOR AUTOMATED PARAMETER SELECTION  
 (51) Int. Cl.  
**A61N 1/34** ( 2006.01 )  
**A61B 5/053** ( 2021.01 )  
**A61N 1/05** ( 2006.01 )

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 (44) 02.05.2024  
 (62) 2020201352  
 (72) Parker, Jon  
 (74) RnB IP Pty Ltd

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(71) NewSouth Innovations Pty Limited  
 (11) AU-B-2019230452  
 (21) 2019230452 (22) 05.03.2019  
 (54) A confocal microscopy apparatus  
 (51) Int. Cl.  
**G01B 9/02** ( 2006.01 )  
**G01Q 40/00** ( 2010.01 )  
**G02B 21/00** ( 2006.01 )

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 (31) 2018900707 (32) 05.03.18 (33) AU  
 (43) 12.09.2019  
 (44) 02.05.2024  
 (72) GAUS, Katharina; SIERECKI, Emma S; GAMBIN, Yann; BAUER, Arnaud Luc  
 (74) Spruson & Ferguson

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(71) New York University  
 (11) AU-B-2021236457  
 (21) 2021236457 (22) 21.09.2021  
 (54) STAPHYLOCOCCUS AUREUS LEUKOCIDINS, THERAPEUTIC COMPOSITIONS, AND USES THEREOF  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )

(43) 14.10.2021  
 (44) 02.05.2024  
 (62) 2019222824  
 (72) Torres, Victor J.; Dumont, Ashley L.  
 (74) Phillips Ormonde Fitzpatrick

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(71) Nicoventures Trading Limited  
 (11) AU-B-2021328314  
 (21) 2021328314 (22) 20.08.2021  
 (54) Aerosol-generating material with combustion retarding properties and uses thereof  
 (51) Int. Cl.  
**A24B 15/12** ( 2006.01 )

**A24B 15/28** ( 2006.01 )  
**A24D 1/10** ( 2006.01 )  
**A24D 1/20** ( 2020.01 )

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 (31) 2013123.1 (32) 21.08.20 (33) GB  
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(43) 24.02.2022  
 (44) 02.05.2024  
 (72) AOUN, Walid Abi  
 (74) Spruson & Ferguson

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(71) NICOVENTURES TRADING LIMITED  
 (11) AU-B-2021391751  
 (21) 2021391751 (22) 30.11.2021  
 (54) APPARATUS FOR APPLYING PULSES AND PULSE EDGES TO A RESONANT CIRCUIT  
 (51) Int. Cl.  
**H02M 7/538** ( 2007.01 )  
**A24F 40/50** ( 2020.01 )  
**H02M 11/00** ( 2006.01 )

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 (31) 2018939.5 (32) 01.12.20 (33) GB  
 (43) 09.06.2022  
 (44) 02.05.2024  
 (72) KORUS, Anton  
 (74) Spruson & Ferguson

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(71) Nienstedt GmbH  
 (11) AU-B-2018311228  
 (21) 2018311228 (22) 03.08.2018  
 (54) Machine tool  
 (51) Int. Cl.  
**B30B 15/08** ( 2006.01 )  
**F15B 1/02** ( 2006.01 )

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 (31) 17184763.5 (32) 03.08.17 (33) EP  
 (43) 07.02.2019  
 (44) 02.05.2024  
 (72) GRONEBERG, Jan  
 (74) Griffith Hack

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(71) Nippon Soda Co., Ltd.  
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 (21) 2019371591 (22) 23.10.2019  
 (54) (Hetero)arylimidazole compound and harmful organism control agent  
 (51) Int. Cl.  
**C07D 233/64** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
**A01P 7/02** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**A61K 31/4164** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61P 33/10** ( 2006.01 )  
**A61P 33/14** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )

(87) WO2020/090585  
 (31) 2018-202998 (32) 29.10.18 (33) JP  
 (43) 07.05.2020  
 (44) 02.05.2024  
 (72) SAKANISHI, Keita; SAKIYAMA, Norifumi; AOYAMA, Hikaru; MATSUI, Maki; IWASA, Takao; KOBAYASHI, Tomomi; USHIJIMA, Daisuke; AZUMA, Keita; SUMINO, Masanori; ASHIKARI, Yas-

Applications Accepted - Name Index cont'd

- uhiko; SHIBAYAMA, Kotaro; TAGUCHI, Riho  
**(74)** Madderns Pty Ltd
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- (71)** Nokia Technologies Oy  
**(11)** AU-B-2022203487  
**(21)** 2022203487 **(22)** 23.05.2022  
**(54)** On the usage of control resources for data transmission  
**(51)** Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04W 72/04* ( 2009.01 )  
*H04W 72/12* ( 2009.01 )  
**(43)** 09.06.2022  
**(44)** 02.05.2024  
**(62)** 2017306778  
**(72)** PAJUKOSKI, Kari P.; TIIROLA, Esa T.; HAKOLA, Sami-Jukka; LAHETKAN-GAS, Eeva  
**(74)** Spruson & Ferguson
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- (71)** NORTH AMERICAN PIPE CORPORATION  
**(11)** AU-B-2018200718  
**(21)** 2018200718 **(22)** 31.01.2018  
**(54)** SYSTEM AND APPARATUS FOR CONDUIT SQUEEZE RETAINER  
**(51)** Int. Cl.  
*F16L 37/088* ( 2006.01 )  
**(31)** 62/453,901 **(32)** 02.02.17 **(33)** US  
62/459,040 14.02.17 US  
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15/882,696 29.01.18 US  
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**(43)** 16.08.2018  
**(44)** 02.05.2024  
**(72)** CLAPPER, Joshua E.; YASHIN, Dmitry; DEAN, Roy L.  
**(74)** Oxygene IP
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- (71)** Norton (Waterford) Limited  
**(11)** AU-B-2022204311  
**(21)** 2022204311 **(22)** 20.06.2022  
**(54)** Inhalation monitoring system and method  
**(51)** Int. Cl.  
*A61M 15/00* ( 2006.01 )  
**(43)** 07.07.2022  
**(44)** 02.05.2024  
**(62)** 2021200443  
**(72)** MILTON-EDWARDS, Mark; CHRYSTYN, Henry; MORRISON, Mark S.; WEITZEL, Douglas E.  
**(74)** Spruson & Ferguson
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- (71)** NOURYON CHEMICALS INTERNATIONAL B.V.  
**(11)** AU-B-2021386290  
**(21)** 2021386290 **(22)** 23.11.2021  
**(54)** LIQUID AGROCHEMICAL COMPOSITION  
**(51)** Int. Cl.  
*A01N 25/30* ( 2006.01 )  
*A01N 25/02* ( 2006.01 )  
*A01N 25/04* ( 2006.01 )  
*A01N 37/38* ( 2006.01 )  
*A01N 37/40* ( 2006.01 )
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- (71)** NOVAPHOS GYPSUM TECHNOLOGY LLC  
**(11)** AU-B-2022335439  
**(21)** 2022335439 **(22)** 25.08.2022  
**(54)** METHODS FOR FORMING SILICATES OF CALCIUM  
**(51)** Int. Cl.  
*C01B 33/24* ( 2006.01 )  
*C01F 11/00* ( 2006.01 )  
**(87)** WO2023/028263  
**(31)** 63/236,892 **(32)** 25.08.21 **(33)** US  
63/317,447 07.03.22 US  
17/894,246 24.08.22 US  
**(43)** 02.03.2023  
**(44)** 02.05.2024  
**(72)** BLAKE, David B.; VIGNOVIC, Mark  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Novartis AG  
**(11)** AU-B-2020281098  
**(21)** 2020281098 **(22)** 03.12.2020  
**(54)** Methods and compositions for treatment of cartilage damage and arthritis  
**(51)** Int. Cl.  
*A61K 38/17* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
**(43)** 14.01.2021  
**(44)** 02.05.2024  
**(62)** 2017357785  
**(72)** Johnson, Kristen; Goldhahn, Jorg; Scotti, Celeste; Vostiar, Igor  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Novartis AG  
**(11)** AU-B-2020349002  
**(21)** 2020349002 **(22)** 15.09.2020  
**(54)** Stable, concentrated radiopharmaceutical composition  
**(51)** Int. Cl.  
*A61K 51/08* ( 2006.01 )  
*A61K 51/12* ( 2006.01 )  
*A61K 103/30* ( 2006.01 )  
**(87)** WO2021/052960  
**(31)** 19197607.5 **(32)** 16.09.19 **(33)** EP  
**(43)** 25.03.2021  
**(44)** 02.05.2024  
**(72)** MARIANI, Maurizio F.; ORLANDI, Francesca; FUGAZZA, Lorenza; SACCHETTI, Lorenzo; TEDESCO, Mattia; BARBATO, Donato  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Novo Nordisk A/S  
**(11)** AU-B-2019363725  
**(21)** 2019363725 **(22)** 25.10.2019  
**(54)** Stable semaglutide compositions and uses thereof  
**(51)** Int. Cl.  
*A61K 38/26* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 47/18* ( 2017.01 )  
*A61P 3/10* ( 2006.01 )  
**(87)** WO2020/084126  
**(31)** 18202801.9 **(32)** 26.10.18 **(33)** EP  
19158226.1 20.02.19 EP  
**(43)** 30.04.2020  
**(44)** 02.05.2024  
**(72)** ENGELUND, Dorthe Kot; JENSEN, Søren Skov; LUNDQVIST, Joakim  
**(74)** Pearce IP Pty Ltd
- 
- (71)** Novozymes A/S  
**(11)** AU-B-2018322748  
**(21)** 2018322748 **(22)** 28.08.2018  
**(54)** Baker's yeast expressing anti-staling/freshness amylases  
**(51)** Int. Cl.  
*A21D 8/04* ( 2006.01 )  
*C12N 9/24* ( 2006.01 )  
**(87)** WO2019/042971  
**(31)** 62/551,318 **(32)** 29.08.17 **(33)** US  
**(43)** 07.03.2019  
**(44)** 02.05.2024  
**(72)** OESTDAL, Henrik; TASSONE, Monica; CATLETT, Michael Glenn; HOGSETT, David; NIELSEN, Michael Lynge  
**(74)** Spruson & Ferguson
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- (71)** NP Medical Inc.  
**(11)** AU-B-2022203767  
**(21)** 2022203767 **(22)** 01.06.2022  
**(54)** Vascular access site management system  
**(51)** Int. Cl.  
*A61M 39/02* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
*A61M 39/10* ( 2006.01 )  
*A61M 39/12* ( 2006.01 )  
*A61M 39/22* ( 2006.01 )  
**(43)** 23.06.2022  
**(44)** 02.05.2024  
**(62)** 2019236142  
**(72)** CHELAK, Todd; DAMARATI, John; DENNIS, Nicholas; ILLSLEY, Nicholas  
**(74)** Griffith Hack
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- (71)** NTT DOCOMO, INC.  
**(11)** AU-B-2019297880  
**(21)** 2019297880 **(22)** 03.07.2019  
**(54)** Terminal and radio communication method  
**(51)** Int. Cl.  
*H04W 72/04* ( 2009.01 )  
**(87)** WO2020/009144  
**(31)** 2018-138884 **(32)** 05.07.18 **(33)** JP  
**(43)** 09.01.2020  
**(44)** 02.05.2024  
**(72)** TAKAHASHI, Hideaki; TAKEDA, Kazuki; HARADA, Hiroki  
**(74)** Spruson & Ferguson

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(71) Nuovo Pignone Tecnologie - S.r.l.  
 (11) AU-B-2021230003  
 (21) 2021230003 (22) 22.02.2021  
 (54) Improved turbine and blade for the protection of the root from flow path hot gases  
 (51) Int. Cl.  
*F01D 11/00* ( 2006.01 )  
*F01D 11/04* ( 2006.01 )  
 (87) WO2021/175488  
 (31) 10202000004585 (32) 04.03.20 (33) IT  
 (43) 10.09.2021  
 (44) 02.05.2024  
 (72) DI SISTO, Paolo; TOGNARELLI, Leonardo; CUBEDA, Simone  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Nuovo Pignone Tecnologie - S.r.l.  
 (11) AU-B-2021250672  
 (21) 2021250672 (22) 19.03.2021  
 (54) Integrated hermetically sealed turbo-expander-generator with overhung turbomachine  
 (51) Int. Cl.  
*F02C 1/10* ( 2006.01 )  
*F01D 25/24* ( 2006.01 )  
*F02C 7/06* ( 2006.01 )  
 (87) WO2021/197664  
 (31) 10202000006727 (32) 31.03.20 (33) IT  
 (43) 07.10.2021  
 (44) 02.05.2024  
 (72) CANGIOLI, Francesco; BILIOTTI, Davide; ORTIZ NERI, Massimiliano; SANANELLI, Giuseppe; MICHELASSI, Vittorio  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Nuovo Pignone Tecnologie - S.r.l.  
 (11) AU-B-2021300507  
 (21) 2021300507 (22) 24.06.2021  
 (54) Method for monitoring and controlling a hybrid gas turbine system and system thereof  
 (51) Int. Cl.  
*F02C 9/00* ( 2006.01 )  
*F01D 15/10* ( 2006.01 )  
 (87) WO2022/002436  
 (31) 102020000016009 (32) 02.07.20 (33) IT  
 (43) 06.01.2022  
 (44) 02.05.2024  
 (72) PRETINI, Luca  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Nuovo Pignone Tecnologie - S.r.l.  
 (11) AU-B-2021300508  
 (21) 2021300508 (22) 30.06.2021  
 (54) Waste heat recovery system as a backup system for a machine for the production of energy  
 (51) Int. Cl.  
*F01K 23/10* ( 2006.01 )  
*F01K 23/06* ( 2006.01 )  
 (87) WO2022/002441  
 (31) 102020000016090 (32) 03.07.20 (33) IT  
 (43) 06.01.2022

(44) 02.05.2024  
 (72) NASINI, Ernesto; SANTINI, Marco  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Nutrition & Biosciences USA 4, Inc.  
 (11) AU-B-2018324496  
 (21) 2018324496 (22) 24.08.2018  
 (54) Latex compositions comprising polysaccharides  
 (51) Int. Cl.  
*C09D 107/00* ( 2006.01 )  
*C09D 105/00* ( 2006.01 )  
*C09D 121/00* ( 2006.01 )  
*C09D 123/00* ( 2006.01 )  
*C09D 129/00* ( 2006.01 )  
*C09D 175/00* ( 2006.01 )  
 (87) WO2019/046123  
 (31) 62/553,210 (32) 01.09.17 (33) US  
 (43) 07.03.2019  
 (44) 02.05.2024  
 (72) LENGES, Christian Peter; MEKONNEN, Tizazu H.  
 (74) Oxygene IP

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(71) NuVasive, Inc.  
 (11) AU-B-2018388574  
 (21) 2018388574 (22) 18.12.2018  
 (54) Expandable implant device  
 (51) Int. Cl.  
*A61F 2/44* ( 2006.01 )  
*A61F 2/30* ( 2006.01 )  
*A61F 2/46* ( 2006.01 )  
 (87) WO2019/126213  
 (31) 62/607,303 (32) 18.12.17 (33) US  
 (43) 27.06.2019  
 (44) 02.05.2024  
 (72) BESAW, Christopher; SWEENEY III, Thomas  
 (74) Phillips Ormonde Fitzpatrick

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(71) NuVasive, Inc.  
 (11) AU-B-2022241502  
 (21) 2022241502 (22) 28.09.2022  
 (54) MINIMALLY DISRUPTIVE RETRACT-OR AND ASSOCIATED METHODS FOR SPINAL SURGERY  
 (51) Int. Cl.  
*A61B 1/32* ( 2006.01 )  
 (43) 27.10.2022  
 (44) 02.05.2024  
 (62) 2021203047  
 (72) O'Connell, Casey James; Lee, James Coleman; Shorooghi, Ali A.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) O.I. Corporation  
 (11) AU-B-2018313767  
 (21) 2018313767 (22) 07.08.2018  
 (54) Stopped flow with pulsed injection technique for total organic carbon analyzer (TOCA) using high temperature combustion  
 (51) Int. Cl.  
*G01N 21/75* ( 2006.01 )  
*G01N 21/3504* ( 2014.01 )  
*G01N 31/12* ( 2006.01 )  
 (87) WO2019/032574

(31) 62/541,916 (32) 07.08.17 (33) US  
 (43) 14.02.2019  
 (44) 02.05.2024  
 (72) SIMON, Richard K.; BAUMAN, Noel; RAWLS, Nathan C.; WILLIAMS, Karl  
 (74) Spruson & Ferguson

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(71) Ocado Innovation Limited  
 (11) AU-B-2021229601  
 (21) 2021229601 (22) 02.03.2021  
 (54) A grid framework structure  
 (51) Int. Cl.  
*B65G 1/04* ( 2006.01 )  
 (87) WO2021/175874  
 (31) 2003056.5 (32) 03.03.20 (33) GB  
 (43) 10.09.2021  
 (44) 02.05.2024  
 (72) PARKS, Ian; GULLICK, Adam; RODAL, Enrique; BOHAN, Stephen; DWIVEDI, Aditya; CARSTAIRS, Neil; BANFI, Mike; EMMETT, Scott; MAGNIER, Michael  
 (74) James & Wells Intellectual Property

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(71) OCADO INNOVATION LIMITED  
 (11) AU-B-2021405485  
 (21) 2021405485 (22) 21.12.2021  
 (54) MOTION CONTROL OF A MOTION DEVICE  
 (51) Int. Cl.  
*G05B 19/416* ( 2006.01 )  
*B60K 31/00* ( 2006.01 )  
 (87) WO2022/136454  
 (31) 2020668.6 (32) 24.12.20 (33) GB  
 2020680.1 24.12.20 GB  
 2020681.9 24.12.20 GB  
 2020684.3 24.12.20 GB  
 (43) 30.06.2022  
 (44) 02.05.2024  
 (72) JORGE, Tiago Miguens Rijo Branco  
 (74) James & Wells Intellectual Property

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(71) OCADO INNOVATION LIMITED  
 (11) AU-B-2021405506  
 (21) 2021405506 (22) 21.12.2021  
 (54) MOTION CONTROL OF A ROBOTIC LOAD HANDLING DEVICE  
 (51) Int. Cl.  
*G05D 1/00* ( 2006.01 )  
*B60K 31/00* ( 2006.01 )  
*B65G 1/04* ( 2006.01 )  
*G05B 19/416* ( 2006.01 )  
 (87) WO2022/136480  
 (31) 2020668.6 (32) 24.12.20 (33) GB  
 2020680.1 24.12.20 GB  
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 (74) James & Wells Intellectual Property

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OCUSUN OPHTHALMIC PHARMACEUTICAL (GUANGZHOU) CO., LTD. see GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD.  
 (21) 2021408195

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**OLIVER, R. see OLIVER, J.**  
(21) 2018256526

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(71) OLIVER, J.; OLIVER, R.  
(11) AU-B-2018256526  
(21) 2018256526 (22) 30.10.2018  
(54) ANCHOR SYSTEM  
(51) Int. Cl.  
*B63B 21/29* ( 2006.01 )  
(31) 2017904390 (32) 30.10.17 (33) AU  
(43) 23.05.2019  
(44) 02.05.2024  
(72) OLIVER, James  
(74) Baxter Patent Attorneys Pty Ltd

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(71) Olivier Industrie NV  
(11) AU-B-2021207405  
(21) 2021207405 (22) 18.01.2021  
(54) Soil-displacement drill and method for forming a smooth foundation pile with such a soil-displacement drill  
(51) Int. Cl.  
*E02D 5/66* ( 2006.01 )  
*E02D 5/36* ( 2006.01 )  
*E02D 5/38* ( 2006.01 )  
*E02D 5/56* ( 2006.01 )  
*E02D 7/22* ( 2006.01 )  
*E21B 10/44* ( 2006.01 )  
(87) WO2021/144773  
(31) BE-2020/5033 (32) 16.01.20 (33) BE  
(43) 22.07.2021  
(44) 02.05.2024  
(72) VANKEIRSBILCK, Gerdi; VANKEIRSBILCK, Dmitry  
(74) FPA Patent Attorneys Pty Ltd

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(71) Oncoceutics, Inc.  
(11) AU-B-2022200583  
(21) 2022200583 (22) 28.01.2022  
(54) G protein-coupled receptor (GPCR) modulation by imipridones  
(51) Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*C07D 257/04* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 471/14* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C07K 14/72* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*G01N 33/566* ( 2006.01 )  
(43) 24.02.2022  
(44) 02.05.2024  
(62) 2017211423  
(72) Allen, Joshua E.; Stogniew, Martin; Prabhu, Varun Vijay  
(74) Griffith Hack

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(71) Onconova Therapeutics, Inc.  
(11) AU-B-2018253291  
(21) 2018253291 (22) 13.04.2018  
(54) Formulation of (E)-2,4,6-trimethoxyethyl-3-[(carboxymethyl)amino]-4-methoxybenzylsulphone with enhanced stability and bioavailability  
(51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 9/48* ( 2006.01 )

*A61K 31/198* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
(87) WO2018/191634  
(31) PCT/ (32) 28.08.17 (33) US  
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62/485,355 13.04.17 US  
(43) 18.10.2018  
(44) 02.05.2024  
(72) Maniar, Manoj  
(74) Spruson & Ferguson

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(71) Osaka University  
(11) AU-B-2018366644  
(21) 2018366644 (22) 13.11.2018  
(54) COGNITIVE IMPAIRMENT DIAGNOSTIC APPARATUS AND COGNITIVE IMPAIRMENT DIAGNOSTIC PROGRAM  
(51) Int. Cl.  
*A61B 10/00* ( 2006.01 )  
*A61B 3/113* ( 2006.01 )  
(87) WO2019/098173  
(31) 2017-219321 (32) 14.11.17 (33) JP  
(43) 23.05.2019  
(44) 02.05.2024  
(72) TAKEDA, Shuko; MORISHITA, Ryuichi; OYAMA, Akane; NAKAJIMA, Tsuneo  
(74) Griffith Hack

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**Osaka University see Chugai Seiyaku Kaishiki Kaisha**  
(21) 2019315213

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(71) Other Lab, LLC  
(11) AU-B-2020297516  
(21) 2020297516 (22) 18.06.2020  
(54) Solar powered electric vehicle system and method  
(51) Int. Cl.  
*B62M 6/85* ( 2010.01 )  
(87) WO2020/257480  
(31) 62/864,922 (32) 21.06.19 (33) US  
(43) 24.12.2020  
(44) 02.05.2024  
(72) GRIFFITH, Saul Thomas; VON CLEMM, Hans  
(74) Davies Collison Cave Pty Ltd

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(71) Otis Elevator Company  
(11) AU-B-2018203458  
(21) 2018203458 (22) 16.05.2018  
(54) Method for tensioning of a load bearing member of an elevator system  
(51) Int. Cl.  
*B66B 7/10* ( 2006.01 )  
(31) 62/506,891 (32) 16.05.17 (33) US  
(43) 06.12.2018  
(44) 02.05.2024  
(72) RUSH, Daniel  
(74) FPA Patent Attorneys Pty Ltd

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(71) Owens-Brockway Glass Container, Inc.  
(11) AU-B-2019236452

(21) 2019236452 (22) 12.03.2019  
(54) Gradient fining tank for refining foamy molten glass and a method of using the same  
(51) Int. Cl.  
*C03B 5/225* ( 2006.01 )  
*C03B 5/04* ( 2006.01 )  
(87) WO2019/178052  
(31) 15/922,536 (32) 15.03.18 (33) US  
(43) 19.09.2019  
(44) 02.05.2024  
(72) WANG, Zhongming; VEMPATI, Udaya K.; LIN, Ya-Cheng  
(74) Spruson & Ferguson

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(71) Owens-Brockway Glass Container Inc.  
(11) AU-B-2018400481  
(21) 2018400481 (22) 14.12.2018  
(54) Container closure with vacuum-indicating pull tab  
(51) Int. Cl.  
*B65D 79/00* ( 2006.01 )  
*B65D 77/20* ( 2006.01 )  
(87) WO2019/135883  
(31) 15/860,359 (32) 02.01.18 (33) US  
(43) 11.07.2019  
(44) 02.05.2024  
(72) CHISHOLM, Brian J.; SMITH, Susan L.  
(74) Spruson & Ferguson

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(71) Oxford University Innovation Limited  
(11) AU-B-2019208479  
(21) 2019208479 (22) 18.01.2019  
(54) Localising a vehicle  
(51) Int. Cl.  
*G06N 3/08* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06V 10/82* ( 2022.01 )  
*G06V 20/56* ( 2022.01 )  
(87) WO2019/141992  
(31) 1800811.0 (32) 18.01.18 (33) GB  
(43) 25.07.2019  
(44) 02.05.2024  
(72) NEWMAN, Paul; PORAV, Horia; MADDERN, Will  
(74) Michael Buck IP

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(71) Paradigm BioPharmaceuticals Ltd  
(11) AU-B-2022204567  
(21) 2022204567 (22) 28.06.2022  
(54) Treatment of bone marrow pathologies with polysulfated polysaccharides  
(51) Int. Cl.  
*A61K 31/737* ( 2006.01 )  
*A61P 19/08* ( 2006.01 )  
(43) 21.07.2022  
(44) 02.05.2024  
(62) 2021201198  
(72) RENNIE, Paul; KRISHNAN, Ravi  
(74) FB Rice Pty Ltd

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(71) Paradigm BioPharmaceuticals Ltd  
(11) AU-B-2022259716  
(21) 2022259716 (22) 25.10.2022  
(54) Treatment of pain with polysulfated polysaccharides  
(51) Int. Cl.

Applications Accepted - Name Index cont'd

**A61K 31/737** ( 2006.01 )  
**A61K 31/727** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 19/08** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(43)** 01.12.2022  
**(44)** 02.05.2024  
**(62)** 2019357946  
**(72)** RENNIE, Paul; KRISHNAN, Ravi  
**(74)** FB Rice Pty Ltd

**(71)** Paragon 28, Inc.  
**(11)** AU-B-2019302325  
**(21)** 2019302325 **(22)** 24.04.2019  
**(54)** Implants and methods of use and assembly  
**(51)** Int. Cl.  
**A61B 17/08** ( 2006.01 )  
**A61B 17/3209** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61F 2/28** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/38** ( 2006.01 )  
**A61F 5/00** ( 2006.01 )  
**(87)** WO2020/013901  
**(31)** 62/661,945 **(32)** 24.04.18 **(33)** US  
**(43)** 16.01.2020  
**(44)** 02.05.2024  
**(72)** LEE, Daniel; DACOSTA, Albert; BARMES, Frank; DOGUÉ, Joseph; OBERT, Richard; PAXSON, Robert David  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** PayPal, Inc.  
**(11)** AU-B-2018355236  
**(21)** 2018355236 **(22)** 23.10.2018  
**(54)** System and method for generating animated emoji mashups  
**(51)** Int. Cl.  
**G06F 21/36** ( 2013.01 )  
**G06F 3/01** ( 2006.01 )  
**G06T 11/60** ( 2006.01 )  
**(87)** WO2019/084049  
**(31)** 15/790,799 **(32)** 23.10.17 **(33)** US  
 15/855,976 27.12.17 US  
**(43)** 02.05.2019  
**(44)** 02.05.2024  
**(72)** WOO, Titus; KUO, Wei Ting; LU, Xueguang; KOMMA, Venkatesh  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** PayPal, Inc.  
**(11)** AU-B-2021278901  
**(21)** 2021278901 **(22)** 19.05.2021  
**(54)** Watermark as honeypot for adversarial defense  
**(51)** Int. Cl.  
**G06N 3/08** ( 2023.01 )  
**A61B 5/00** ( 2006.01 )  
**G06V 10/00** ( 2022.01 )  
**H01J 49/00** ( 2006.01 )  
**(87)** WO2021/242584  
**(31)** 16/887,381 **(32)** 29.05.20 **(33)** US  
**(43)** 02.12.2021  
**(44)** 02.05.2024  
**(72)** ZHANG, Jiyi  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** PayPal, Inc.  
**(11)** AU-B-2021341778  
**(21)** 2021341778 **(22)** 08.09.2021  
**(54)** Techniques for single round multi-party computation for digital signatures  
**(51)** Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )  
**(87)** WO2022/053951  
**(31)** 17/019,807 **(32)** 14.09.20 **(33)** US  
**(43)** 17.03.2022  
**(44)** 02.05.2024  
**(72)** YADLIN, Dan; RIVA, Ben; NAVON, Alon; PACHMANOV, Lev; KATZ, Jonathan  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** PayPal, Inc.  
**(11)** AU-B-2022291610  
**(21)** 2022291610 **(22)** 23.12.2022  
**(54)** Token management layer for automating authentication during communication channel interactions  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**(43)** 02.02.2023  
**(44)** 02.05.2024  
**(62)** 2019413371  
**(72)** Sarin, Pankaj  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Pentair Water Pool and Spa, Inc.  
**(11)** AU-B-2018334174  
**(21)** 2018334174 **(22)** 12.09.2018  
**(54)** System and method for a filter system  
**(51)** Int. Cl.  
**B01D 35/26** ( 2006.01 )  
**(87)** WO2019/055560  
**(31)** 62/557,694 **(32)** 12.09.17 **(33)** US  
**(43)** 21.03.2019  
**(44)** 02.05.2024  
**(72)** STILES JR., Robert W.; ROBOL, Ronald B.; COX, Everett Franklin; SAFON, Thomas Johnson Ray; SAINI, Anuj; VICTOR, Alex  
**(74)** GLMR

**(71)** PercuSense  
**(11)** AU-B-2018290327  
**(21)** 2018290327 **(22)** 22.06.2018  
**(54)** Analyte sensor  
**(51)** Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**A61B 5/1486** ( 2006.01 )  
**C12Q 1/00** ( 2006.01 )  
**G01N 27/327** ( 2006.01 )  
**(87)** WO2018/237259  
**(31)** 62/524,416 **(32)** 23.06.17 **(33)** US  
 62/568,293 04.10.17 US  
 62/619,078 18.01.18 US  
**(43)** 27.12.2018  
**(44)** 02.05.2024  
**(72)** SHAH, Rajiv; LIANG, Bradley; WOLFE, Katherine; MESSER, Ellen; PENDO, Shaun  
**(74)** SR Intellectual Property

**(71)** Permutive Limited  
**(11)** AU-B-2018387423  
**(21)** 2018387423 **(22)** 21.12.2018  
**(54)** System for fast and secure content provision  
**(51)** Int. Cl.  
**G06F 16/958** ( 2019.01 )  
**(87)** WO2019/122917  
**(31)** 15/852,220 **(32)** 22.12.17 **(33)** US  
**(43)** 27.06.2019  
**(44)** 02.05.2024  
**(72)** SPRATT, Tim; ROOT, Joe  
**(74)** FB Rice Pty Ltd

**(71)** Petroleo Brasileiro S.A. - Petrobras  
**(11)** AU-B-2018316665  
**(21)** 2018316665 **(22)** 14.08.2018  
**(54)** Auxiliary device for lowering a tool into a well  
**(51)** Int. Cl.  
**E21B 23/14** ( 2006.01 )  
**E21B 33/072** ( 2006.01 )  
**E21B 33/076** ( 2006.01 )  
**(87)** WO2019/034865  
**(31)** 10 2017 017383-6 **(32)** 14.08.17 **(33)** BR  
**(43)** 21.02.2019  
**(44)** 02.05.2024  
**(72)** MIRANDA JUNIOR, Jose Soares de; TOSCANO, Orman Salvador; FERREIRA, Paulo Cesar Cardoso; OLIVEIRA REIS, Humberto de  
**(74)** FB Rice Pty Ltd

**Petroteq Energy, Inc. see Podlipskiy, V.Y.**  
**(21)** 2021205881

**(71)** Philip Morris Products S.A.  
**(11)** AU-B-2019229674  
**(21)** 2019229674 **(22)** 08.03.2019  
**(54)** An aerosol-generating device comprising a cover element mechanism  
**(51)** Int. Cl.  
**A24F 47/00** ( 2006.01 )  
**(87)** WO2019/170896  
**(31)** 18161064.3 **(32)** 09.03.18 **(33)** EP  
**(43)** 12.09.2019  
**(44)** 02.05.2024  
**(72)** BELLUSCI, Marco; BORGES, Miguel; FRINGELI, Jean-Luc; MELZI, Ilario  
**(74)** James & Wells Intellectual Property

**(71)** Pictometry International Corp.  
**(11)** AU-B-2022206780  
**(21)** 2022206780 **(22)** 21.07.2022  
**(54)** AUTOMATED SYSTEM AND METHODOLOGY FOR FEATURE EXTRACTION  
**(51)** Int. Cl.  
**G06T 17/05** ( 2011.01 )  
**G01B 13/20** ( 2006.01 )  
**G01C 11/02** ( 2006.01 )  
**G06V 10/40** ( 2022.01 )  
**G06V 10/778** ( 2022.01 )  
**G06V 20/13** ( 2022.01 )  
**G06V 20/17** ( 2022.01 )

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(43) 18.08.2022  
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**G01R 33/00** ( 2006.01 )  
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**C07D 223/14** ( 2006.01 )  
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**F25D 23/00** ( 2006.01 )  
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 F25D 25/02 ( 2006.01 )

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 F25D 11/02 ( 2006.01 )

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 Ltd.; Haier Smart Home Co., Ltd.  
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 F25B 43/00 ( 2006.01 )

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H04W 12/04 ( 2009.01 )  
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 H04L 9/08 ( 2006.01 )  
 H04W 4/46 ( 2018.01 )  
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 G01S 5/02 ( 2010.01 )  
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 H04W 48/16 ( 2009.01 )

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 monitoring, and adjusting a stimulus to  
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 (51) Int. Cl.

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 A01K 27/00 ( 2006.01 )  
 A61M 1/36 ( 2006.01 )  
 A61M 21/00 ( 2006.01 )  
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     **G02F 1/1335** ( 2006.01 )  
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**THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE see THE UNIVERSITY OF QUEENSLAND**  
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**The Children's Hospital of Philadelphia see Chen Plotkin, A.**  
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**C08L 71/02** ( 2006.01 )  
**H01M 4/62** ( 2006.01 )  
**H01M 10/054** ( 2010.01 )  
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**H01L 31/0256** ( 2006.01 )  
**B82Y 30/00** ( 2011.01 )  
**B82Y 40/00** ( 2011.01 )  
**C01G 21/00** ( 2006.01 )  
**C07F 3/06** ( 2006.01 )  
**C07F 15/06** ( 2006.01 )  
**H01L 21/02** ( 2006.01 )  
**H01L 31/04** ( 2014.01 )  
**H01L 31/09** ( 2006.01 )  
**H01L 31/20** ( 2006.01 )  
**H01L 33/16** ( 2010.01 )  
**H10K 30/00** ( 2023.01 )  
**H10K 71/00** ( 2023.01 )  
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The University of Tokyo see Kyocera Corporation

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(21) 2021234765

**THREE CLIFFS GEOMECHANICAL ANALYSIS LIMITED** see **CHEVRON U.S.A. INC.**  
(21) 2021355374

(71) **TIANQI LITHIUM GENESIS TECHNOLOGY (SHENZHEN) LTD.**

(11) AU-B-2022402780

(21) 2022402780 (22) 21.11.2022

(54) **METHOD FOR COMPREHENSIVELY RECOVERING LITHIUM, TANTALUM-NIOBIUM, SILICON-ALUMINUM MICRO-POWDER, IRON ORE CONCENTRATE AND GYPSUM FROM LITHIUM SLAG**

(51) Int. Cl.

**B03B 9/06** ( 2006.01 )

(87) WO2023/098500

(31) 202111455639.5 (32) 01.12.21 (33) CN

(43) 08.06.2023

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(72) **YIN, Zhigang; ZHOU, Fu; DENG, Xingxing; XU, Chuan; GAO, Yibao**

(74) **A.P.T. Patent and Trade Mark Attorneys**

(71) **TOKAMAK ENERGY LTD**

(11) AU-B-2021380945

(21) 2021380945 (22) 19.11.2021

(54) **BREEDER BLANKET**

(51) Int. Cl.

**G21B 1/13** ( 2006.01 )

**G21G 1/02** ( 2006.01 )

(87) WO2022/106609

(31) 2018198.8 (32) 19.11.20 (33) GB

(43) 27.05.2022

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(72) **DAVIS, Thomas; MIDDLEBURGH, Simon; ASTBURY, Jack; KAMAL, Gurdeep**

(74) **PHILLIPS ORMONDE FITZPATRICK**

(71) **TOOTHFILM INC.**

(11) AU-B-2022271400

(21) 2022271400 (22) 15.11.2022

(54) **A TOOTH ANTI-STAINING COMPOSITION, KIT AND METHOD OF USING THE SAME**

(51) Int. Cl.

**A61K 8/87** ( 2006.01 )

**A61K 8/24** ( 2006.01 )

**A61Q 11/00** ( 2006.01 )

(31) 111117925 (32) 12.05.22 (33) TW

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(72) **LEE, CHUNG-LIN; LIN, ZHI-YUN**

(74) **Collison & Co**

(71) **TOP CAP HOLDING GMBH**

(11) AU-B-2021372729

(21) 2021372729 (22) 27.10.2021

(54) **CAN LID AND METHOD FOR PRODUCING A CAN LID**

(51) Int. Cl.

**B65D 17/50** ( 2006.01 )

**B65D 17/28** ( 2006.01 )

(87) WO2022/090310

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(43) 05.05.2022

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(72) **PIECH, Gregor Anton**

(74) **IP SOLVED (ANZ) PTY. LTD.**

(71) **Toris, G.G.**

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(54) **FISHING LURE WITH MAGNETIC HOLDER TO RELEASABLY RETAIN BELLY HOOK IN STINGER POSITION**

(51) Int. Cl.

**A01K 85/02** ( 2006.01 )

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(72) **Toris, Georgios G.**

(74) **Belyea IP**

(71) **Tornier**

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(21) 2019200588 (22) 30.01.2019

(54) **Prosthesis for a fractured long bone**

(51) Int. Cl.

**A61F 2/28** ( 2006.01 )

**A61B 17/56** ( 2006.01 )

**A61B 17/68** ( 2006.01 )

**A61F 2/30** ( 2006.01 )

(31) 18305101.0 (32) 31.01.18 (33) EP

(43) 15.08.2019

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(72) **Boileau, Pascal; Cardon, Jean-Emmanuel; Claizergues, Bertrand; Coulange, Vincent; Dassonville, Benjamin; Gaborit, Vincent**

(74) **FPA Patent Attorneys Pty Ltd**

(71) **Toyish Labs Inc.**

(11) AU-B-2020238651

(21) 2020238651 (22) 02.03.2020

(54) **Flexible construction unit, kit, and method for constructing a structure**

(51) Int. Cl.

**A63H 33/04** ( 2006.01 )

**A63H 33/08** ( 2006.01 )

(87) WO2020/185439

(31) 16/296,543 (32) 08.03.19 (33) US

(43) 17.09.2020

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(72) **ESHET, Assaf; BARLEV, Yaron**

(74) **IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD**

(71) **Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.**

(11) AU-B-2023201966

(21) 2023201966 (22) 30.03.2023

(54) **Travel path setting device**

(51) Int. Cl.

**G05D 1/639** ( 2024.01 )

**B60W 30/095** ( 2012.01 )

**B60W 40/06** ( 2012.01 )

**G01C 21/20** ( 2006.01 )

**G01S 19/39** ( 2010.01 )

**G05D 3/12** ( 2006.01 )

**G08G 1/0968** ( 2006.01 )

**H04W 4/46** ( 2018.01 )

**G05D 101/20** ( 2024.01 )

**G05D 109/10** ( 2024.01 )

**G05D 111/10** ( 2024.01 )

(31) 2022-062319 (32) 04.04.22 (33) JP

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(54) **Large scale synthesis of messenger RNA**

(51) Int. Cl.

**C12N 9/12** ( 2006.01 )

**C12P 19/34** ( 2006.01 )

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(72) **Dias, Anusha; Crawford, Daniel; Derosa, Frank; Abysalh, Jonathan; Heartlein, Michael**

(74) **Pizzey's Patent and Trade Mark Attorneys Pty Ltd**

(71) **Transocean Innovation Labs Ltd**

(11) AU-B-2022224816

(21) 2022224816 (22) 01.09.2022

(54) **Methods for assessing the reliability of hydraulically-actuated devices and related systems**

(51) Int. Cl.

**F15B 19/00** ( 2006.01 )

**E21B 33/035** ( 2006.01 )

**E21B 33/06** ( 2006.01 )

**E21B 33/064** ( 2006.01 )

**E21B 34/16** ( 2006.01 )

**F15B 1/033** ( 2006.01 )

(43) 29.09.2022

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(72) **Boike, Matthew; Leach, Andrew; Pereira, Luis Rafael**

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(11) AU-B-2018323106

(21) 2018323106 (22) 04.09.2018

(54) **System and method for tree growth management**

(51) Int. Cl.

**A01G 9/00** ( 2018.01 )

**A01G 13/00** ( 2006.01 )

**E01C 9/00** ( 2006.01 )

(87) WO2019/043720

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 (54) Systems and Methods for Tethering Subsea Blow-Out-Preventers  
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*E21B 33/064* ( 2006.01 )  
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*E21B 41/00* ( 2006.01 )  
*E21B 41/08* ( 2006.01 )  
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 (72) MAHER, James V.; LA VIGNE, Donald; MCCELVEY, Daniel; BROWN, Ricky  
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*E04D 15/04* ( 2006.01 )  
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 (31) A 60118/2017 (32) 29.10.17 (33) AT  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Methods for seamless nucleic acid assembly  
 (51) Int. Cl.  
*C12N 15/09* ( 2006.01 )  
*B01J 19/00* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
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 (11) AU-B-2020354743  
 (21) 2020354743 (22) 25.09.2020  
 (54) Method for manufacturing repairing agent for biological tissue damage, and repairing agent for biological tissue damage  
 (51) Int. Cl.  
*A61K 35/28* ( 2015.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 1/02* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
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*A61P 43/00* ( 2006.01 )  
*C12N 1/00* ( 2006.01 )  
*C12N 5/0775* ( 2010.01 )  
*C12Q 1/6837* ( 2018.01 )  
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*A61K 31/737* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
*C08B 37/02* ( 2006.01 )  
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 (51) Int. Cl.  
*G06T 7/00* ( 2017.01 )  
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 (43) 06.06.2019  
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 (51) Int. Cl.  
*C12Q 1/6886* ( 2018.01 )  
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 (21) 2019392781 (22) 06.12.2019  
 (54) Implementing barriers for controlled environments during sample processing and detection  
 (51) Int. Cl.  
*B01L 1/02* ( 2006.01 )  
*B01L 3/00* ( 2006.01 )  
*G01N 1/22* ( 2006.01 )  
*G01N 1/38* ( 2006.01 )  
*G01N 21/75* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
*G01N 33/543* ( 2006.01 )  
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 (72) BECKETT, Nathan; CASWELL, Nathan  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Methods, devices, and systems for analyte detection and analysis  
 (51) Int. Cl.  
*G02B 21/26* ( 2006.01 )  
*G01N 21/25* ( 2006.01 )  
*G01N 21/27* ( 2006.01 )  
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 (31) 62/818,549 (32) 14.03.19 (33) US  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Dishwash detergent product  
 (51) Int. Cl.  
*C11D 3/39* ( 2006.01 )  
*C11D 11/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (54) Frozen confection  
 (51) Int. Cl.  
*A23G 9/28* ( 2006.01 )  
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 (21) 2019238661 (22) 14.03.2019  
 (54) Method for thermoforming textile product  
 (51) Int. Cl.  
*D06C 7/00* ( 2006.01 )  
*D01F 8/14* ( 2006.01 )  
*D03D 15/00* ( 2006.01 )  
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 (54) MATERIALS AND METHODS FOR RESPIRATORY DISEASE CONTROL IN CANINES  
 (51) Int. Cl.  
*C12N 15/44* ( 2006.01 )  
*A61K 39/145* ( 2006.01 )  
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 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) University of Iowa Research Foundation  
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*A61N 1/00* ( 2006.01 )  
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 (54) Novel pesticidal combinations  
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*A01N 47/14* ( 2006.01 )  
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*D05C 15/18* ( 2006.01 )  
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 (54) Stationary transfer platform and cleaning device for supply transport device  
 (51) Int. Cl.  
*F16M 11/22* ( 2006.01 )  
*B62B 1/14* ( 2006.01 )  
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**B28C 5/42** ( 2006.01 )  
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(51) Int. Cl.  
**A61K 8/368** ( 2006.01 )  
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**A47J 31/44** ( 2006.01 )  
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<b>2017220012</b>	Genisphere LLC	<b>2018253291</b>	Onconova Therapeutics, Inc.
<b>2017227803</b>	Chen Plotkin, A.; Amado, D.; Reiders, J.; The Children's Hospital of Philadelphia; The Trustees of the University of Pennsylvania	<b>2018254556</b>	Hoffman, S.
<b>2017232546</b>	Universitetet i Oslo	<b>2018255346</b>	Cedars-Sinai Medical Center; Capricor, Inc.
<b>2017234929</b>	The Children's Hospital of Philadelphia	<b>2018255486</b>	Bertani, R.L.
<b>2017238218</b>	Seattle Children's Hospital (dba Seattle Children's Research Institute)	<b>2018256526</b>	OLIVER, J.; OLIVER, R.
<b>2017248682</b>	Chu Montpellier; Ecole Superieure de Physique et de Chimie Industrielles de la Ville de Paris; Centre National de la Recherche Scientifique; Universit� de Montpellier; AXLR, Satt Du Languedoc Roussillon	<b>2018256963</b>	William Marsh Rice University; Board of Regents, The University of Texas System; Baylor College of Medicine; Houston Methodist Research Institute; The United States Government as represented by the Department of Veterans Affairs
<b>2017249435</b>	Macrogenics, Inc.	<b>2018257980</b>	Crown Packaging Technology, Inc.
<b>2017252023</b>	Crispr Therapeutics AG	<b>2018260390</b>	Aurigene Oncology Limited
<b>2017261545</b>	Blackout Technologies Group Ltd	<b>2018261154</b>	Bristol-Myers Squibb Company
<b>2017285408</b>	Bharat Biotech International Limited	<b>2018264146</b>	The Boeing Company
<b>2017285764</b>	Chugai Seiyaku Kabushiki Kaisha	<b>2018265196</b>	Societe Des Produits Nestle S.A.
<b>2017294772</b>	Scholar Rock, Inc.	<b>2018269112</b>	Smith & Nephew plc
<b>2017296095</b>	BioNTech SE; Genmab A/S	<b>2018270494</b>	Span Tech LLC
<b>2017313064</b>	The University of North Carolina at Chapel Hill	<b>2018271150</b>	NeuralDX Ltd
<b>2017345217</b>	Lysando AG	<b>2018272112</b>	Precision Planting LLC
<b>2017354900</b>	UCL Business Ltd; Natera, Inc.	<b>2018273799</b>	Centenary Institute of Cancer Medicine and Cell Biology; University of Sydney
<b>2017357919</b>	Sigma Genetics, Inc.	<b>2018274636</b>	Societe des Produits Nestle S.A.
<b>2017361124</b>	Leo Cancer Care, Inc.	<b>2018274769</b>	eggXYt Ltd
<b>2017362418</b>	Iovance Biotherapeutics, Inc.	<b>2018274974</b>	Medtronic Holding Company S�rl
<b>2017383054</b>	Keygene N.V.	<b>2018275568</b>	The Coca-Cola Company
<b>2017417160</b>	Deciphera Pharmaceuticals, LLC	<b>2018279252</b>	UPL LTD
<b>2017420004</b>	TECHTRONIC CORDLESS GP	<b>2018281313</b>	Verrica Pharmaceuticals, Inc.
<b>2017420677</b>	Meikle, J.	<b>2018282219</b>	CorneaGen Inc.
<b>2017425203</b>	Natural Science, LLC	<b>2018283010</b>	Monsanto Technology LLC
<b>2017441095</b>	Kimberly-Clark Worldwide, Inc.	<b>2018283196</b>	IDEMIA France
<b>2018200718</b>	NORTH AMERICAN PIPE CORPORATION	<b>2018283951</b>	The Regents of the University of California; Nanotech Energy, Inc.
<b>2018201520</b>	Pillar Lasers Inc.	<b>2018284227</b>	Twist Bioscience Corporation
<b>2018201872</b>	Illinois Tool Works Inc.	<b>2018284231</b>	Schank, W.; Cardona, S.
<b>2018202432</b>	TurnaSure, LLC	<b>2018284337</b>	Israel Aerospace Industries Ltd.
<b>2018202596</b>	Jordan, J.	<b>2018284985</b>	4C Medical Technologies, Inc.
<b>2018203458</b>	Otis Elevator Company	<b>2018290327</b>	PercuSense
<b>2018203951</b>	Joy Global Underground Mining LLC	<b>2018290919</b>	KPR U.S., LLC
<b>2018204308</b>	Manitou Italia S.r.l.	<b>2018291377</b>	Stryker Corporation
<b>2018204330</b>	Medtentia International Ltd Oy	<b>2018291501</b>	Elevation Spine, Inc.
<b>2018204683</b>	Rain Harvesting Pty Ltd	<b>2018291807</b>	Escape International
<b>2018204919</b>	Manitou Italia S.r.l.	<b>2018292136</b>	Veltek Associates, Inc.
<b>2018205165</b>	Martin GmbH fur Umwelt- und Energietechnik	<b>2018292271</b>	FUJIFILM Irvine Scientific, Inc.
<b>2018205275</b>	Janssen Pharmaceutica NV	<b>2018293393</b>	Foseco International Limited
<b>2018212934</b>	Cyliite Pty Ltd	<b>2018293426</b>	Mitocholine Ltd
<b>2018217435</b>	HosePatch Pty Ltd	<b>2018293545</b>	Schiller, C.
<b>2018222743</b>	Bristol-Myers Squibb Company	<b>2018294227</b>	Abiomed, Inc.
<b>2018223177</b>	Xeniopro GmbH	<b>2018294510</b>	Saint-Gobain Glass France
<b>2018223232</b>	Gallagher eShepherd Pty Ltd	<b>2018295558</b>	Breville Pty Limited
<b>2018224325</b>	Translate Bio, Inc.	<b>2018298054</b>	Schlumberger Technology B.V.
<b>2018227305</b>	Fisher & Paykel Healthcare Limited	<b>2018298390</b>	Discovery Purchaser Corporation
<b>2018227842</b>	Arena Pharmaceuticals, Inc.	<b>2018298391</b>	Discovery Purchaser Corporation
<b>2018228870</b>	Precision Planting LLC	<b>2018303570</b>	DEKA Products Limited Partnership
<b>2018231181</b>	Joy Global Underground Mining LLC	<b>2018306738</b>	Zenflow, Inc.
<b>2018233051</b>	Toris, G.G.	<b>2018307807</b>	The Regents of the University of Michigan; Eastern Michigan University
<b>2018233159</b>	PolyActiva Pty Ltd	<b>2018311228</b>	Nienstedt GmbH
<b>2018242161</b>	FMC Technologies	<b>2018313767</b>	O.I. Corporation
<b>2018242623</b>	Aurigene Oncology Limited	<b>2018316251</b>	Mobius Imaging, LLC
<b>2018243850</b>	Creatv MicroTech, Inc.	<b>2018316531</b>	Ceva Sante Animale
<b>2018247269</b>	L'Air Liquide, Soci� Anonyme pour l'Etude et l'Exploitation des Proc�d�s Georges Claude	<b>2018316665</b>	Petroleo Brasileiro S.A. - Petrobras
<b>2018247352</b>	Enerpac Tool Group Corp.	<b>2018317200</b>	Heggen, L.
<b>2018249608</b>	MAA Laboratories, Inc.	<b>2018317498</b>	CARBON REVOLUTION PTY LTD
<b>2018249861</b>	Progress Rail Services Corporation	<b>2018317930</b>	Mining and Process Solutions Pty Ltd
<b>2018249936</b>	ReFlow Medical, Inc.	<b>2018320946</b>	Adamas Pharma, LLC
<b>2018250008</b>	Seraxis, Inc.	<b>2018322748</b>	Novozymes A/S

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2018323106	Tree-Tube Ltd.	2018409987	Beijing Tusen Zhitu Technology Co., Ltd.
2018324496	Nutrition & Biosciences USA 4, Inc.	2018417338	Sachdev, R.
2018329221	MacDon Industries Ltd.	2018422761	Rampart IC, LLC
2018329430	TX Medic AB	2018424297	Prysmian S.p.A.
2018330395	Husqvama AB	2018424862	Corcym S.r.l.
2018331459	RealD Spark, LLC	2018425538	Shibakai Co., Ltd.
2018332216	Janssen Biopharma, Inc.	2018427121	Halliburton Energy Services, Inc.
2018333932	Living Proof, Inc.	2018432075	Dow Global Technologies LLC; Rohm and Haas Company
2018334174	Pentair Water Pool and Spa, Inc.		Halliburton Energy Services, Inc.
2018336632	Innospec Limited	2018456051	Tornier
2018341327	The Board of Trustees of the Leland Stanford Junior University	2019200588	Mettler-Toledo GmbH
		2019201002	Daon Technology
2018348350	Aurigene Oncology Limited	2019201152	FIORINZATO M.C. SRL
2018348785	Fastbrick IP Pty Ltd	2019201224	Interroll Holding AG
2018351835	Caterpillar Inc.	2019201972	ResMed Pty Ltd
2018351907	BeA GmbH	2019202886	Daon Technology
2018353511	Landis+Gyr AG	2019202915	ANDRITZ KMPT GmbH
2018353875	Viscofan Collagen USA Inc.	2019203436	Welch Allyn, Inc.
2018354710	tscheina GmbH	2019203579	C.R. Bard, Inc.
2018355236	PayPal, Inc.	2019206350	ReAlta Holdings, LLC
2018355824	Tau Tech AS	2019207508	DOMPÉ FARMACEUTICI S.P.A.
2018356205	Suez International	2019207704	THALES
2018359502	Ingenico Belgium	2019208254	Cytokinetics, Inc.
2018360502	Melinta Therapeutics, Inc.	2019208331	Oxford University Innovation Limited
2018360845	Cold Spring Harbor Laboratory; DepYmed, Inc.	2019208479	HVRT Corp.
2018362224	Weatherford Technology Holdings, LLC	2019209425	Botanix Pharmaceuticals Ltd
2018363745	Liaver GmbH & Co.kg	2019210703	Botanix Pharmaceuticals Ltd
2018364623	FLSmidth A/S	2019211468	Anderson, D.
2018365333	247 Energy BVBA	2019212212	Geberit International AG
2018366026	Boston Scientific Scimed, Inc.	2019213023	Avantium Knowledge Centre B.V.
2018366253	Ecolab USA Inc.	2019214401	Keter Plastic Ltd.; Milwaukee Electric Tool Corporation
2018366644	Osaka University	2019214584	Brainsway Ltd.
2018368574	Swedish Orphan Biovitrum AB (publ)	2019214592	Ebnet Medical GmbH
2018370745	Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO	2019215680	J.D. Neuhaus Holding GmbH & Co. KG
		2019216279	Cimon Medical AS - Org.Nr.923156445
2018372073	Adaptix Ltd	2019218655	Dana-Farber Cancer Institute, Inc.
2018372708	Tesla, Inc.	2019218786	Ishihara Sangyo Kaisha, Ltd.
2018373415	Chr. Hansen HMO GmbH	2019219963	Qualcomm Incorporated
2018373610	Chr. Hansen HMO GmbH	2019220699	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft
2018374556	St Andrews Pharmaceutical Technology Ltd	2019221019	Kellanova
2018375020	Comprite Mining Pty Ltd	2019221494	Weatherford U.K. Limited
2018376561	UCB Biopharma SRL	2019223309	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd
2018379121	Intervet International B.V.	2019226051	Ecolab USA Inc.
2018379378	Ellex Medical Pty Ltd	2019227317	Philip Morris Products S.A.
2018380147	Ab Initio Technology LLC	2019229674	Yamaha Hatsudoki Kabushiki Kaisha
2018382399	Vandewiele NV	2019230072	NewSouth Innovations Pty Limited
2018382557	Geistlich Pharma AG	2019230452	1304342 Alberta Ltd.; 1304338 Alberta Ltd.
2018383137	Alcon Inc.	2019231345	Cotesi - Companhia de Têxteis Sintéticos, S.A.
2018383758	Radio Systems Corporation	2019232404	Products Unlimited, Inc.
2018384640	CNGmotive, Inc.	2019232572	Teon Therapeutics, Inc.
2018385394	Regeneron Pharmaceuticals, Inc.	2019232736	Myomo, Inc.
2018385603	Neuros Medical, Inc.	2019232764	Coloplast A/S
2018385649	Alcon Inc.	2019233300	Schreder S.A.
2018387151	DuPont Nutrition Biosciences ApS	2019233735	Enpro Subsea Limited
2018387423	Permutive Limited	2019233805	Mitsubishi Power, Ltd.
2018388574	NuVasive, Inc.	2019235819	Owens-Brockway Glass Container, Inc.
2018388777	Verifi LLC	2019236452	Unitika Ltd.
2018389172	Coloplast A/S	2019238661	Equifax Inc.
2018389797	Flamel Ireland Limited	2019239311	Acme Drugs S.r.l.
2018390163	Nanobiotix	2019240175	voestalpine Turnout Technology Zeltweg GmbH; voestalpine Railway Systems GmbH
2018391022	Evologic Technologies GmbH	2019240737	BASF Coatings GmbH
2018391313	Coloplast A/S		BASF Coatings GmbH
2018391316	Coloplast A/S	2019240858	Nanjing Chervon Industry Co., Ltd.
2018395235	Sleep Number Corporation	2019240859	Retractable Technologies, Inc.; Shaw, T.
2018398972	Ledger SAS	2019241288	Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.; Systimmune, Inc.
2018399627	Rush University Medical Center	2019242755	Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.; Systimmune, Inc.
2018400481	Owens-Brockway Glass Container Inc.	2019243448	
2018400748	Qualcomm Incorporated		
2018401700	The Regents of the University of California		
2018401778	Prysmian S.p.A.		
2018406438	Boonlikitcheva, P.		
2018408876	Kumaravel, S.		

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2019244412	Hodges & Drake Design Ltd	2019479791	Chugai Seiyaku Kabushiki Kaisha
2019245827	Adamed Pharma S.A.	2019481062	Compagnie Generale des Etablissements Michelin
2019246793	The Boeing Company	2020201855	Artificial Lift Production International Corp. o/a AL PRO International Corp.
2019246854	Modsel Pty Ltd	2020202422	Idemia Identity & Security France
2019247194	Qualcomm Incorporated	2020203180	SRI International
2019249023	Qualcomm Incorporated	2020203746	Hulbert, D.; Burnham, R.J.; Schnarr, M.S.; Geissler, G.; Wilkening, D.W.; McLellan, J.
2019249121	Stealth BioTherapeutics Inc.	2020206826	Alar Pharmaceuticals Inc.
2019249430	Vensica Medical Ltd.	2020209223	Poriferous, LLC
2019250537	Invent Medic Sweden AB	2020233642	Genentech, Inc.
2019251438	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciênc	2020233708	University of Florida Research Foundation, Inc.; The Government of the United States of America As Represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention; Cornell Research Foundation, Inc.
2019251512	Dimitrakopoulos, L.; Dimitrakopoulos, E.	2020238651	Toyish Labs Inc.
2019252265	DUBY, S.	2020239263	Ultima Genomics, Inc.
2019252921	The Regents of the University of California	2020253548	FMC Technologies, Inc.
2019254553	Suez International	2020255712	Huabo Biopharm (Shanghai) Co., Ltd.
2019262169	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	2020263235	Zodiac Pool Systems LLC
2019262337	Wahlsten, T.	2020264349	Compugen Ltd.
2019262340	Ledger SAS	2020267211	The United States of America, as represented by the Secretary, Department of Health and Human Services
2019263068	Becton, Dickinson and Company	2020267226	Dragonfly Therapeutics, Inc.
2019266347	Lupagen, Inc.	2020273281	DemeRx, Inc.
2019266358	Mineral Carbonation International Pty Ltd	2020277108	Regeneron Pharmaceuticals, Inc.
2019266494	SICPA HOLDING SA	2020280509	Mitsubishi Estate Co., Ltd.
2019267327	STC S.r.l. - Science, Technology & Consulting	2020281098	Novartis AG
2019270624	Janssen Biotech, Inc.; Stichting VUmc	2020287227	Membion GmbH
2019274602	Visa International Service Association	2020288277	Wan, X.
2019276095	Chr. Hansen HMO GmbH	2020289179	Jacobio Pharmaceuticals Co., Ltd.
2019276864	DePuy Synthes Products, Inc.	2020294159	YUHAN CORPORATION
2019281714	The Trustees of Indiana University	2020294268	Murray and Poole Enterprises Limited
2019281888	Arcutis Biotherapeutics, Inc.	2020294340	The Penn State Research Foundation
2019287364	Sophia Genetics SA	2020294880	F. HOFFMANN-LA ROCHE AG
2019290372	Halliburton Energy Services, Inc.	2020297516	Other Lab, LLC
2019293862	Elisa Oyj	2020301646	Lumus Ltd.
2019293863	Elisa Oyj	2020306683	Inventio AG
2019295445	Itron, Inc.	2020315039	Liu, S.
2019297400	Bayer Aktiengesellschaft	2020321632	LG Electronics Inc.
2019297402	Bayer Aktiengesellschaft	2020328170	Inventio AG
2019297880	NTT DOCOMO, INC.	2020340709	Komatsu Ltd.
2019298263	Institut National De La Recherche Scientifique; University of Saskatchewan	2020342140	Centro de Inmunologia Molecular
2019300351	Hypericum LifeScience GmbH	2020347229	CRRC Qishuyan Institute Co., Ltd.
2019302325	Paragon 28, Inc.	2020349002	Novartis AG
2019304487	Merck Patent GmbH	2020354743	Two Cells Co., Ltd.; Hiroshima University
2019305487	Walker Digital Table Systems, LLC	2020356333	Ferton Holding S.A.
2019311797	Sercel	2020359010	PTL Opco LLC
2019315213	Chugai Seiyaku Kabushiki Kaisha; F. Hoffmann-La Roche AG; Osaka University	2020359013	PTL Opco LLC
2019315857	Shaw Development, LLC	2020369800	Shanghai Futai Technology Co., Ltd.
2019317095	Takeda Pharmaceutical Company Limited	2020373489	Inner Mongolia Mengniu Dairy (Group) Co., Ltd.
2019321649	Lone Gull Holdings, Ltd.	2020374415	Inventio AG
2019343654	Leisure-Tec International Limited	2020375503	Samyang Corporation
2019350525	Mereo BioPharma 1 Limited	2020379140	Inventio AG
2019351295	The Board of Regents of The University of Texas System	2020379453	LG Electronics Inc.
2019353742	Allflex Europe SAS	2020383624	Product Ventures, Ltd.
2019360080	Ancestry.com Operations Inc.	2020388822	Wonderland Switzerland AG
2019363725	Novo Nordisk A/S	2020390718	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2019364866	Che, Y.	2020398163	Boston Scientific Scimed, Inc.
2019371359	AMSTED Rail Company, Inc.	2020399286	3M Innovative Properties Company
2019371591	Nippon Soda Co., Ltd.	2020413201	Mitsubishi Shipbuilding Co., Ltd.
2019375854	Capital Intellect, Inc.	2020414207	LG Electronics Inc.
2019375864	Microsoft Technology Licensing, LLC	2020415040	Mitsubishi Shipbuilding Co., Ltd.
2019377262	Foss Analytical A/S	2020416346	GI Biome
2019386994	Syngenta Crop Protection AG	2020417121	GI Biome
2019392781	Ultima Genomics, Inc.	2020418312	GI Biome
2019416117	Deciphera Pharmaceuticals, LLC	2020420975	Nanjing Saint Medical Technology Co., Ltd.
2019428645	Roll Recovery, LLC	2020421470	Keter Home and Garden Products Ltd
2019465985	GNT Biotech & Medicals Corporation	2020424201	Copeland Climate Technologies (Suzhou) Co., Ltd.
2019472201	Colgate-Palmolive Company	2020430527	Microport Navibot (Suzhou) Co., Ltd.
2019477491	Essity Hygiene and Health Aktiebolag		
2019478778	Suzhou Raymon Pharmaceuticals Company, Ltd.		
2019478843	Compagnie Generale des Etablissements Michelin		



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2020436820	Wuhan Vast Conduct Science Foundation Co., Ltd.		
2020438735	Native Biomedicals Ltd.		
2020440109	İstanbul Üniversitesi Rektörlüğü	2021261350	L'Air Liquide, Societe Anonyme Pour L'Etude Et
2020443728	Sumitomo SHI FW Energia Oy		L'Exploitation Des Procedes Georges Claude
2020450956	Equinix, Inc.	2021262176	Beijing Goldwind Science & Creation Windpower Equip-
2020452683	ELC Management LLC		ment Co., Ltd.
2020455181	Hanson Lift (Suzhou) Co., Ltd.	2021263769	MedImmune, LLC
2020458122	Sunman (Zhenjiang) Co., Ltd.	2021264267	Biodyne Co., Ltd.
2020462418	Huawei Technologies Co., Ltd.	2021266119	Kuhne Anlagenbau GmbH
2020469336	Mitsubishi Electric Corporation	2021266850	Qingdao Haier Special Refrigerator Co., Ltd; Qingdao
2020474861	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.		Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2021200264	CB Therapeutics, Inc.	2021267081	LG Electronics Inc.
2021200309	Takeda Pharmaceutical Company Limited	2021267176	Spark Thermionics, Inc.
2021200367	Heat Biologics, Inc.	2021267824	Howmedica Osteonics Corp.,
2021201220	Shire Human Genetic Therapies, Inc.	2021267918	International Business Machines Corporation
2021203597	Cedars-Sinai Medical Center	2021269127	Array Technologies, INC.
2021203746	The United States of America, as represented by the Secretary, Department of Health and Human Services	2021269317	The University of Melbourne
	Pulmonx Corporation	2021275700	Hangzhou Wandess Environmental Protection Techno-
2021203913	The Schepens Eye Research Institute		logy Co., Ltd.
2021204404	Podlipskiy, V.Y.; Petroteq Energy, Inc.	2021277283	Shukla Medical
2021205881	Olivier Industrie NV	2021278901	PayPal, Inc.
2021207405	LG Electronics Inc.	2021279790	Komatsu Ltd.
2021208266	Foghorn Therapeutics Inc.	2021281910	GeneMatrix Inc.
2021213258	LG Electronics Inc.	2021282460	Flexible Steel Lacing Company
2021214471	Geobruugg AG	2021284946	SAF-HOLLAND GmbH
2021215092	Implantica Patent Ltd	2021286344	Stryker Corporation
2021215266	Bivo, LLC	2021286404	Kawasaki Jukogyo Kabushiki Kaisha
2021217146	Fate Therapeutics, Inc.	2021289163	Array Biopharma Inc.
2021220276	EpinovaTech AB	2021289448	ConMed Corporation
2021220673	Medela Holding AG	2021290200	ABRAXIS BIOSCIENCE, LLC
2021226049	Unilever Global IP Limited	2021290258	Life Science Biosensor Diagnostics Pty Ltd
2021229601	Ocado Innovation Limited	2021290408	Greenyn Biotechnology Co., Ltd
2021230003	Nuovo Pignone Tecnologie - S.r.l.	2021291163	International Business Machines Corporation
2021230481	ELC Management LLC	2021292086	Huawei Technologies Co., Ltd.
2021230494	Nanocomp Technologies, Inc.	2021295423	AstraZeneca AB
2021231837	W. L. Gore & Associates, Inc.	2021298570	Xu, Z.; Xu, Y.
2021232801	Lart Bio Co., Ltd.	2021298655	Huawei Technologies Co., Ltd.
2021233745	AnyGen Co., Ltd.	2021298712	Vivo Mobile Communication Co., Ltd.
2021234765	Kyocera Corporation; The University of Tokyo	2021299783	ZTE Corporation
2021236067	AdvanSix Resins & Chemicals LLC	2021299948	International Business Machines Corporation
2021236362	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2021300507	Nuovo Pignone Tecnologie - S.r.l.
	New York University	2021300508	Nuovo Pignone Tecnologie - S.r.l.
2021236457	SHAW-ALMEX INDUSTRIES LIMITED	2021301017	Vetco Gray Scandinavia AS
2021237822	International Business Machines Corporation	2021304762	Vitalixir (Beijing) Co., Ltd
2021239135	Shanghai Haiyan Pharmaceutical Technology Co., Ltd.; Yangtze River Pharmaceutical Group Co., Ltd.	2021306196	Siemens Healthcare Diagnostics Inc.
	Unilever IP Holdings B.V.	2021308570	International Business Machines Corporation
2021240889	Komatsu Ltd.	2021310164	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.
2021243549	BAYER HEALTHCARE LLC	2021314106	Milwaukee Electric Tool Corporation
2021245214	Automation Tech, LLC	2021316187	Ranpak Corp.
2021245825	Shaanxi Giant Biotechnology Co., Ltd	2021316340	Fujitsu General Limited
2021246790	MED Progress, LLC	2021317742	Protective Innovations Pty Ltd
2021248653	Nuovo Pignone Tecnologie - S.r.l.	2021318602	Esfam Biotech Pty Ltd
2021250672	Blue Earth Diagnostics Ltd; Siemens Medical Solutions USA, Inc.	2021318908	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.; Boehringer Ingelheim Vet-
2021252191	International Business Machines Corporation		medica GmbH
2021253701	Southwest Research Institute	2021323746	Huawei Technologies Co., Ltd.
2021253965	The Gillette Company LLC	2021325250	Huaneng Clean Energy Research Institute
2021254518	Skydrop, LLC	2021325277	CEGLA Medizintechnik GmbH
2021254623	Himuka AM Australia Pty Ltd.	2021328314	Nicoventures Trading Limited
2021255207	CJ Cheiljedang Corporation	2021329695	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2021255653	National Oilwell Varco Norway AS		Ergomotion, Inc.
2021256157	Qilu Pharmaceutical Co., Ltd.	2021330819	Technological Resources Pty. Limited
2021258041	ROULAND, M.	2021334408	Huawei Digital Power Technologies Co., Ltd.
2021259543	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2021336496	Google LLC
	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Wuhan Institute of Virology, Chinese Academy of Science; Xinjiang Technical Insti-	2021336683	Komatsu Ltd.
		2021337890	Caira Surgical
		2021341540	PayPal, Inc.
		2021341778	NEUSPERA MEDICAL INC.
		2021342061	IHI Corporation
		2021342362	

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2021343288	International Business Machines Corporation	2022202537	Nevro Corp.
2021343381	JAMF Software, LLC	2022202605	Impossible Foods Inc.
2021344568	International Business Machines Corporation	2022202620	Inovio Pharmaceuticals, Inc.
2021349118	International Business Machines Corporation	2022202843	Naber Holding GmbH & Co.
2021350781	International Business Machines Corporation	2022202949	PTC Therapeutics, Inc.
2021353034	International Business Machines Corporation; IBM Deutschland GmbH	2022203085	AtriCure, Inc.
2021355374	CHEVRON U.S.A. INC.; THREE CLIFFS GEOMECHANICAL ANALYSIS LIMITED	2022203207	BlackSeries Intelligent Equipment (Weihai) Co., Ltd
2021355468	AUTONOMOUS SOLUTIONS, INC.	2022203375	Illumina, Inc.
2021356264	ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP	2022203487	Nokia Technologies Oy
2021360289	INTERNATIONAL BUSINESS MACHINES CORPORATION	2022203488	Avery Dennison Corporation
2021363719	International Business Machines Corporation	2022203767	NP Medical Inc.
2021364424	ELI LILLY AND COMPANY	2022203796	Apple Inc.
2021369170	SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY S.L.	2022204053	University of Iowa Research Foundation
2021372729	TOP CAP HOLDING GMBH	2022204163	ImmunoGen, Inc.
2021373575	ZEBRA TECHNOLOGIES CORPORATION	2022204207	Berry Film Products Company, Inc.
2021377556	SHINAGAWA REFRACTORIES CO., LTD.	2022204212	Huawei Technologies Co., Ltd.
2021378062	International Business Machines Corporation	2022204213	Huawei Technologies Co., Ltd.
2021380945	TOKAMAK ENERGY LTD	2022204271	Qualcomm Incorporated
2021386290	NOURYON CHEMICALS INTERNATIONAL B.V.	2022204311	Norton (Waterford) Limited
2021386880	THE UNIVERSITY OF QUEENSLAND	2022204463	JCR Pharmaceuticals Co., Ltd.
2021391477	SYNGENTA CROP PROTECTION AG	2022204470	Synthes GmbH
2021391751	NICOVENTURES TRADING LIMITED	2022204567	Paradigm BioPharmaceuticals Ltd
2021394613	KNORR-BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH	2022204638	Boston Scientific Neuromodulation Corporation
2021395264	KNORR-BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH	2022204732	Equipax, Inc.
2021405485	OCADO INNOVATION LIMITED	2022204796	Snap-on Incorporated
2021405506	OCADO INNOVATION LIMITED	2022204909	JANOME Corporation
2021407849	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	2022204998	BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.
2021408195	GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD.; OCUSUN OPHTHALMIC PHARMACEUTICAL (GUANGZHOU) CO., LTD.	2022205254	Covation Inc.
2021408227	SHANGHAI EUREGEN BIOPHARMA CO., LTD.; SHANGHAI YOULI BIOPHARMA CO., LTD.	2022206685	Shenzhen Hightide Biopharmaceutical Ltd.
2021413086	BLUE RIVER TECHNOLOGY INC.	2022206763	Snap-on Incorporated
2021417688	SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	2022206780	Pictometry International Corp.
2021425469	DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES	2022209319	LG ELECTRONICS INC.
2021435254	Contemporary Amperex Technology Co., Limited	2022210883	FLSMIDTH A/S
2021454211	RAZER (ASIA-PACIFIC) PTE. LTD.	2022215158	Targus International LLC
2021460326	CCTEG Beijing Tianma Intelligent Control Technology Co., Ltd.; Beijing CCRI-Tianma Automation Technology Co. Ltd.	2022215187	Poly-clip System GmbH & Co. KG
2021469729	AICI TECHNOLOGY (NINGBO) CO., LTD.	2022215216	Precision Planting LLC
2022200005	Maquet Cardiovascular LLC	2022215237	ImmunoGen, Inc.
2022200050	Illinois Tool Works Inc.	2022216707	WUHAN LL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD.
2022200060	Forum US, Inc.	2022216817	Envisics Ltd
2022200207	Reverse Bioengineering, Inc.	2022218456	Eddy Current Limited Partnership
2022200570	Akebia Therapeutics, Inc.	2022218483	Motorola Solutions, Inc.
2022200583	Oncocoetics, Inc.	2022218507	Huawei Technologies Co., Ltd.
2022200646	Mallinckrodt Hospital Products IP Limited	2022218526	Rheem Australia Pty Limited
2022200894	AgaMatrix, Inc.	2022218530	Schneider Electric Systems USA, Inc.
2022200990	Smiths Medical ASD, Inc.	2022221457	Accenture Global Solutions Limited
2022201266	ProQR Therapeutics II B.V.	2022221534	Shaheen Innovations Holding Limited
2022201391	Instrumentation Laboratory Company	2022221553	SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
2022201578	Abiomed, Inc.	2022224762	Joy Global Underground Mining Llc
2022201656	SPRING VALLEY AGRISCIENCE	2022224816	Transocean Innovation Labs Ltd
2022201855	Boston Scientific Neuromodulation Corporation	2022224822	MannKind Corporation
2022202023	Fanplayr Inc.	2022224824	Kabushiki Kaisha Toshiba
2022202055	Lone Gull Holdings, Ltd	2022224834	Charles Sturt University
2022202219	Monsanto Technology LLC	2022224855	Apple Inc.
2022202227	Combinati Incorporated	2022228122	Amgen Inc.
2022202299	Ichor Medical Systems, Inc.	2022228157	Pulpac AB
2022202359	Sumitomo Chemical Company, Limited	2022231716	The University of North Carolina at Chapel Hill
2022202446	Grobrix Pte. Ltd.	2022231787	Pride Mobility Products Corporation
2022202494	Epizyme, Inc.	2022241502	NuVasive, Inc.
		2022242751	STANDARD BARIATRICS, INC.
		2022246445	The General Hospital Corporation
		2022252835	Chevron U.S.A Inc.; GeoQuest Systems B.V.
		2022253500	Vitaflo (International) Ltd; UCL Business PLC
		2022255297	VERSUNI HOLDING B.V.
		2022256162	ConMed Corporation
		2022256187	Voestalpine Signaling USA Inc.
		2022259710	Inner Mongolia Electric Power Research Institute
		2022259716	Branch of Inner Mongolia Electric Power (Group) Co., Ltd.
			Paradigm BioPharmaceuticals Ltd

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2022259772	Savant Systems, Inc.	2023202215	Schneider Electric Industries SAS
2022259847	Genmab A/S	2023202447	Anglo American Technical & Sustainability Services Ltd
2022263295	ANTAROS MEDICAL AB	2023202639	Weber, P.
2022263581	W. L. Gore & Associates, Inc.	2023202688	Doosan Fuel Cell America, Inc.
2022265163	Nanjing Chervon Industry Co., Ltd.	2023202827	Tencent America LLC
2022268309	Sebor, P.; Sebor, R.	2023202848	Capital One Services, LLC
2022271393	Technological Resources Pty Ltd	2023203057	Dolby International AB
2022271400	TOOTHFILM INC.	2023203142	FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD.
2022271422	LG ELECTRONICS INC.	2023203233	METROMAX AMERICA CORPORATION
2022271439	Limacorporate S.p.A.	2023203570	Sony Corporation
2022272301	FABIAN, A.; SCHWARTZ, E.	2023203681	Foshan Shunde Helper Electric Technology Co., Ltd
2022272724	ELC MANAGEMENT LLC	2023203788	INVOC LIMITED
2022275169	Guangzhou Shiyuan Electronic Technology Company Limited; Guangzhou Shikun Electronics Co., Ltd.	2023203796	Tencent America LLC
2022275392	Solivus Limited	2023204012	HONEYWELL INTERNATIONAL INC.
2022275579	FERRONOVA PTY LTD; PURDUE RESEARCH FOUNDATION	2023204093	Afiniti, Ltd.
2022279469	Zogenix International Limited	2023204396	Apple Inc.
2022283413	GUANGDONG RAYNOENT BIOTECH CO., LTD.	2023209797	ANGILLEY, M.I.
2022283668	Blue River Technology Inc.	2023210685	TAOUK, F.; COMMET INDUSTRIES PTY LTD
2022285256	IHI CORPORATION	2023222970	KOREA ZINC CO., LTD.
2022287539	TerraClear Inc.	2023233328	SMITH, C.D.
2022287634	Mitsubishi Heavy Industries, Ltd.	2023241291	AI21 Labs
2022291496	Neovasc Tiara Inc.	2023251484	Hamex Fuel Cell Pvt Ltd.
2022291605	Solatube International, Inc.	2023252691	SUNTRACKER TECHNOLOGIES LTD.
2022291610	PayPal, Inc.	2023282124	FORTY FIRST FLOOR PTY LTD
2022301541	BUDDI LIMITED	2023285748	Roiron, J.
2022304690	XCALIBER SCIENCES, INC.	2023316923	RHINO RACK AUSTRALIA PTY LIMITED
2022306258	TELEA MEDICAL GROUP S.R.L.	2023336078	APPELL, T.E.
2022316043	GREPOW INC	2024200412	GUANGDONG YOUKAI TECHNICAL CO., LTD.
2022328252	COOPERSURGICAL, INC.	2024200691	Magic Leap, Inc.
2022328323	ARCHER AVIATION, INC.	2024201277	Lee, H.
2022331912	Beijing Sanyuan Foods Co., Ltd.	2024202183	YGCC Holdings Pty Ltd
2022332691	DENNIS, S.; DENNIS, S.		
2022335439	NOVAPHOS GYPSUM TECHNOLOGY LLC		
2022335914	THE UNIVERSITY OF QUEENSLAND; THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE		
2022344804	FLUX CONSOLIDATED PTY LTD		
2022350920	SANDVIK MINING AND CONSTRUCTION OY		
2022362306	SKECHERS U.S.A., INC. II		
2022402780	TIANQI LITHIUM GENESIS TECHNOLOGY (SHENZHEN) LTD.		
2022408255	DAIKIN INDUSTRIES, LTD.		
2023200058	Katko Oy		
2023200097	Anric Developments Pty Limited		
2023200151	Donaldson Company, Inc.		
2023200195	Ruminant Biotech Corp Limited		
2023200200	Sungrow Energy Storage Technology Co., Ltd.		
2023200312	Apple Inc.		
2023200407	DRW Technologies, LLC		
2023200473	Commercialisation Express Pty Ltd		
2023200504	BISSELL Inc.		
2023200725	Trendsetter Vulcan Offshore, Inc.		
2023200820	The Product Makers (Australia) Pty Ltd		
2023200956	Huawei Technologies Co., Ltd.		
2023200984	SEA Automotive Pty Ltd		
2023200986	HeartFlow, Inc.		
2023201011	LG ELECTRONICS INC.		
2023201126	Allegion (New Zealand) Limited		
2023201167	Safariland, LLC		
2023201289	National University Corporation Kochi University		
2023201375	Tencent America LLC		
2023201526	SABIC Agri-Nutrients Company		
2023201537	Canva Pty Ltd		
2023201563	Shanghai Linghuo Trading Co., Ltd.		
2023201595	CareFusion 303, Inc.		
2023201604	Tencent America LLC		
2023201686	Canva Pty Ltd		
2023201866	Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.		
2023201900	Systems IP Pty Ltd		
2023201966	Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.		

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<b><u>A01B 63 /-</u></b>	<b><u>A01H 5 /-</u></b>	<b><u>A01N 33 /-</u></b>	<b><u>A21D 13 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A43B 23 /-</u></b>
2018272112 2022215216	2017383054 2022201656	2018283010	2018387151	2018275568 2022331912 2023200820	2022362306
<b><u>A01B 73 /-</u></b>	<b><u>A01K 11 /-</u></b>	<b><u>A01N 37 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A44B 11 /-</u></b>
2018201520	2019353742	2018283010 2018399627 2021386290	2018387151	2023200820	2023316923
<b><u>A01C 5 /-</u></b>	<b><u>A01K 15 /-</u></b>	<b><u>A01N 39 /-</u></b>	<b><u>A21D 8 /-</u></b>	<b><u>A23L 3 /-</u></b>	<b><u>A45D 2 /-</u></b>
2018228870	2018223232 2018383758	2021386290	2018322748 2018387151	2018374556 2021255207	2024201277
<b><u>A01D 23 /-</u></b>	<b><u>A01K 27 /-</u></b>	<b><u>A01N 43 /-</u></b>	<b><u>A22B 3 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A46B 15 /-</u></b>
2018293545	2018383758	2018279252 2018283010 2018307807 2019207704 2019297400 2019297402 2019371591 2019386994 2021386290 2021391477 2022200570 2022202359	2018247269	2018274636 2018293426 2018373415 2018373610 2020373489 2020416346 2020417121 2020418312 2020438735 2021233745 2023200820	2021253965
<b><u>A01D 34 /-</u></b>	<b><u>A01K 5 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A22C 11 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A47B 96 /-</u></b>
2019241288 2019251512 2022265163	2020383624	2018279252 2021386290	2022215187	2021245825	2022271422
<b><u>A01D 41 /-</u></b>	<b><u>A01K 67 /-</u></b>	<b><u>A01N 57 /-</u></b>	<b><u>A22C 13 /-</u></b>	<b><u>A23L 7 /-</u></b>	<b><u>A47C 17 /-</u></b>
2021413086	2018274769 2020277108	2021386290	2018353875	2021255207	2021330819
<b><u>A01D 46 /-</u></b>	<b><u>A01K 80 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A23C 9 /-</u></b>	<b><u>A23P 10 /-</u></b>	<b><u>A47C 27 /-</u></b>
2021413086	2018355824	2019207508	2019276095 2022331912	2020373489	2018395235
<b><u>A01D 57 /-</u></b>	<b><u>A01K 85 /-</u></b>	<b><u>A01P 1 /-</u></b>	<b><u>A23D 7 /-</u></b>	<b><u>A23P 20 /-</u></b>	<b><u>A47C 7 /-</u></b>
2018329221	2018233051	2019297400 2019297402	2022202605	2021255207	2021330819
<b><u>A01G 13 /-</u></b>	<b><u>A01M 21 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A23P 10 /-</u></b>	<b><u>A47F 1 /-</u></b>
2018323106	2018298390 2018298391	2021386290	2021255207 2022202605	2020373489	2019221494 2020383624
<b><u>A01G 17 /-</u></b>	<b><u>A01M 23 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A23F 3 /-</u></b>	<b><u>A23P 20 /-</u></b>	<b><u>A47F 5 /-</u></b>
2018293545	2023202639	2019207508	2018374556	2021255207	2019221494
<b><u>A01G 25 /-</u></b>	<b><u>A01M 25 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23G 3 /-</u></b>	<b><u>A23P 30 /-</u></b>	<b><u>A47G 19 /-</u></b>
2021254518	2023202639	2021386290 2022202359	2018265196	2021255207	2021217146
<b><u>A01G 3 /-</u></b>	<b><u>A01M 27 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23G 9 /-</u></b>	<b><u>A24B 15 /-</u></b>	<b><u>A47J 27 /-</u></b>
2018293545	2023202639	2021386290 2022202359	2021240889	2021328314	2023203681
<b><u>A01G 31 /-</u></b>	<b><u>A01M 31 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23J 1 /-</u></b>	<b><u>A24D 1 /-</u></b>	<b><u>A47J 31 /-</u></b>
2022202446	2023202639	2018279252 2021386290 2022202359	2022202605	2021328314	2022255297
<b><u>A01G 7 /-</u></b>	<b><u>A01M 7 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A24F 40 /-</u></b>	<b><u>A47J 36 /-</u></b>
2019298263	2018298390 2018298391	2018279252 2019207704 2019371591 2022202359	2020416346 2020417121 2020418312	2021328314	2023203142 2023203681
<b><u>A01G 9 /-</u></b>	<b><u>A01N 1 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A24F 47 /-</u></b>	<b><u>A47J 37 /-</u></b>
2018323106	2021264267	2018279252 2019207704 2019371591 2022202359	2017420677 2018275568 2023200820	2021391751 2022221534	2023203681
<b><u>A01H 1 /-</u></b>	<b><u>A01N 25 /-</u></b>	<b><u>A21B 1 /-</u></b>	<b><u>A23L 23 /-</u></b>	<b><u>A43B 11 /-</u></b>	<b><u>A47J 42 /-</u></b>
2017383054	2019207704 2021236067 2021386290 2022202359	2021245825	2021255207	2019229674	2019201224
<b><u>A01H 3 /-</u></b>		<b><u>A21B 3 /-</u></b>		<b><u>A43B 21 /-</u></b>	<b><u>A47K 10 /-</u></b>
2017383054		2018295558		2022362306	2017441095
				<b><u>A43B 21 /-</u></b>	<b><u>A47L 11 /-</u></b>
				2022362306	

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2020321632	<b><u>A61B 34/-</u></b>	2018291501	<b><u>A61J 1/-</u></b>	2022259716	2021200309
2023200504		2018306738		2022279469	2021236457
	2018316251	2018388574	2018368574	2023200195	2021245214
<b><u>A47L 13/-</u></b>	2020430527	2018424862			
	2021267824	2019200588	<b><u>A61K 101/-</u></b>	<b><u>A61K 33/-</u></b>	<b><u>A61K 41/-</u></b>
2023200504	2021341540	2019232764			
		2019250537	2021252191	2018293426	2019300351
<b><u>A47L 15/-</u></b>	<b><u>A61B 5/-</u></b>	2019302325		2018390163	2021245214
		2020209223	<b><u>A61K 103/-</u></b>	2020436820	
2022271422	2018269112	2020359010			<b><u>A61K 45/-</u></b>
	2018271150	2020359013	2020349002	<b><u>A61K 35/-</u></b>	
<b><u>A47L 5/-</u></b>	2018290327	2020420975			2017417160
	2018395235	2021215266	<b><u>A61K 31/-</u></b>	2017234929	2018249608
2017420004	2019233300	2022271439		2018255346	2018254556
	2019242755	2022291496	2017417160	2019207508	2018256963
<b><u>A47L 7/-</u></b>	2019263068		2018223177	2019243448	2018293426
	2019266347	<b><u>A61F 5/-</u></b>	2018227842	2020354743	2019416117
2023200504	2019351295		2018233159	2020416346	2022279469
	2021231837	2018389172	2018242623	2020417121	
<b><u>A47L 9/-</u></b>	2021278901	2018391313	2018249608	2020418312	<b><u>A61K 47/-</u></b>
	2021318908	2018391316	2018253291	2020438735	
2017420004	2022202537	2018395235	2018254556	2021203597	2017249435
2023201011	2022301541	2019233300	2018255346		2017357919
	2023200986	2019302325	2018260390	<b><u>A61K 38/-</u></b>	2018233159
<b><u>A61B 1/-</u></b>			2018274636		2018249936
2018366026	<b><u>A61B 50/-</u></b>	<b><u>A61F 7/-</u></b>	2018281313	2017220012	2018253291
2022241502			2018293426	2017252023	2018261154
	2018291377	2022202620	2018307807	2017294772	2018320946
<b><u>A61B 10/-</u></b>			2018316531	2017345217	2018332216
	<b><u>A61B 6/-</u></b>	<b><u>A61F 9/-</u></b>	2018320946	2018261154	2018390163
2018366026			2018329430	2018399627	2019226051
2018366644	2018372073	2018282219	2018360845	2019207508	2019240175
2019353742	2018422761	2018383137	2018373415	2019218786	2019281888
	2021203913	2018385649	2018373610	2019226051	2019300351
<b><u>A61B 17/-</u></b>	2021234765		2018389797	2019243448	2019363725
		<b><u>A61G 1/-</u></b>	2019208331	2019363725	2020417121
2018274974	<b><u>A61B 8/-</u></b>		2019210703	2020264349	2020418312
2018291501		2019246854	2019211468	2020281098	2020436820
2018294227	2019218655		2019221019	2020342140	2021290200
2018316251		<b><u>A61G 13/-</u></b>	2019226051	2021200367	2022228122
2018366026	<b><u>A61B 90/-</u></b>		2019245827	2021201220	2022231716
2019200588		2021306196	2019262169	2021233745	2022275579
2019206350	2018294227	2022272301	2019281888	2021236457	2023200195
2019249430	2018316251		2019304487	2021245214	
2019302325	2021341540	<b><u>A61G 5/-</u></b>	2019371591	2021254623	<b><u>A61K 48/-</u></b>
2020359013			2019416117	2021281910	
2020398163	<b><u>A61C 1/-</u></b>	2018303570	2019465985	2021304762	2017220012
2020430527		2019246854	2019478778	2022204463	2017227803
2020440109	2020440109	2022231787	2020206826	2022283413	2017313064
2021277283	<b><u>A61C 17/-</u></b>	<b><u>A61G 7/-</u></b>	2020233642		2020354743
2021289448			2020273281	<b><u>A61K 39/-</u></b>	
2022200990	2021253965	2019246854	2021239135		<b><u>A61K 49/-</u></b>
2022202620			2021245214	2017218415	
2022203085	<b><u>A61C 8/-</u></b>	<b><u>A61H 15/-</u></b>	2021246790	2017238218	2022275579
2022204470			2021248653	2017249435	
2022242751	2020440109	2019428645	2021256157	2017285408	<b><u>A61K 51/-</u></b>
2022256162			2021260618	2017285764	
2022263581	<b><u>A61D 7/-</u></b>	<b><u>A61H 23/-</u></b>	2021289163	2017294772	2017357919
			2021290200	2017362418	2020349002
<b><u>A61B 18/-</u></b>	2018247269	2021253965	2021290408	2018222743	2021252191
	2023200195		2021295423	2018379121	
2018383137		<b><u>A61H 31/-</u></b>	2021408195	2019207508	<b><u>A61K 6/-</u></b>
2018385649	<b><u>A61F 11/-</u></b>		2022200207	2019243453	
2022202620		2022272301	2022200570	2019270624	2021269317
2022306258	2020399286		2022202494	2019315213	
	2023204012	<b><u>A61H 9/-</u></b>	2022202949	2019479791	<b><u>A61K 8/-</u></b>
<b><u>A61B 3/-</u></b>	<b><u>A61F 2/-</u></b>		2022204567	2020233708	
		2018290919	2022206685	2020255712	2018281313
2018212934	2018204330		2022216707	2020267226	2018336632
2018366644	2018249936	<b><u>A61H 99/-</u></b>	2022224834	2020289179	2019472201
2019203579	2018282219		2022253500	2020294159	2020356333
2024200691	2018284985	2022272301		2020294340	2020452683
				2021200264	2021230481
					2021233745

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2022271400	2019215680	<b><u>A61P 13 /-</u></b>	2018379121	2021408195	<b><u>B01D 33 /-</u></b>
2022272724	2019242755		2020294340		
<b><u>A61K 9 /-</u></b>	2019249430	2020354743	2021260618	<b><u>A61Q 11 /-</u></b>	2019203436
	2022200990	2022216707	2021281910		
2018227842	2022201578	<b><u>A61P 17 /-</u></b>	<b><u>A61P 33 /-</u></b>	2020356333	<b><u>B01D 35 /-</u></b>
2018249608	2022203767			2022271400	
2018253291	2022328252	2019210703	2019304487	<b><u>A61Q 19 /-</u></b>	2018334174
2018256963	<b><u>A61M 31 /-</u></b>	2019211468	2019371591		2019315857
2018261154		2019226051		2019472201	<b><u>B01D 39 /-</u></b>
2018293426	2019249430	2020354743	<b><u>A61P 35 /-</u></b>	2020452683	
2018316531	2023200195	2021236457		2021230481	2020375503
2018368574			2017417160	2021233745	2021230494
2018379121	<b><u>A61M 37 /-</u></b>	<b><u>A61P 19 /-</u></b>	2018223177	<b><u>A61Q 5 /-</u></b>	<b><u>B01D 46 /-</u></b>
2018389797		2020281098	2018253291		
2018390163	2022202620	2020354743	2018260390	2018333932	2018330395
2018401700	<b><u>A61M 39 /-</u></b>	2022204463	2019221019	2018336632	2019232572
2019210703		2022204567	2019270624	2022272724	2020390718
2019211468	2022203767	2022259716	2019416117	<b><u>A62D 1 /-</u></b>	2021275700
2019226051	2023201595	<b><u>A61P 21 /-</u></b>	2019465985		2023200151
2019245827			2019479791	2020203746	<b><u>B01D 5 /-</u></b>
2019281888	<b><u>A61M 5 /-</u></b>	2017285764	2020255712	2021417688	
2019363725		2018261154	2020267226	<b><u>A63B 17 /-</u></b>	2021325250
2020294268	2018291377		2020294268		
2021248653	2018368574	<b><u>A61P 25 /-</u></b>	2020354743	2023201900	<b><u>B01D 50 /-</u></b>
2021290200	2019242755		2021239135		
2022224822	2021364424	2018222743	2021246790	<b><u>A63B 47 /-</u></b>	2018330395
2022275579	2023285748	2018293426	2021256157		<b><u>B01D 53 /-</u></b>
2023200195	<b><u>A61M 60 /-</u></b>	2018329430	2021281910	2022287539	
<b><u>A61L 2 /-</u></b>		2018390163	2021289163		<b><u>B01D 55 /-</u></b>
	20222291496	2020206826	2021290200	<b><u>A63B 5 /-</u></b>	2019266358
2023252691	<b><u>A61N 1 /-</u></b>	2020273281	2021295423		2021325250
<b><u>A61L 27 /-</u></b>		2020342140	2021318602	2023201900	2021356264
	2017357919	2020354743	2021408227		<b><u>B01D 61 /-</u></b>
2018250008	2018385603	2022202949	2022200583	<b><u>A63B 9 /-</u></b>	
2018382557	2019276864	2022216707	2022202494		2016405754
<b><u>A61L 9 /-</u></b>	2020369800	2022279469	2022202949	2023201900	2020287227
	2021342061	<b><u>A61P 27 /-</u></b>	2022259847		2021255653
2019252921	2022201855		2022275579	<b><u>A63C 17 /-</u></b>	
	2022202299	2017313064	<b><u>A61P 37 /-</u></b>		<b><u>B01D 63 /-</u></b>
<b><u>A61M 1 /-</u></b>	2022202537	2018233159		2023336078	
	2022202620	2018254556	2019226051	<b><u>A63F 1 /-</u></b>	2020287227
2018383758	2022204053	2019226051	2019315213		<b><u>B01D 65 /-</u></b>
2019266347	2022204638	2019478778	2020354743	2019305487	
2021220673	<b><u>A61N 2 /-</u></b>	2020354743	2021239135		2021255653
2021286344		2021200309	<b><u>A61P 39 /-</u></b>	<b><u>A63F 13 /-</u></b>	<b><u>B01D 7 /-</u></b>
<b><u>A61M 11 /-</u></b>	2017357919	2021408195			
	2019214592	<b><u>A61P 29 /-</u></b>	2020438735	2021454211	<b><u>B01D 9 /-</u></b>
2019252921	2022204053			<b><u>A63H 33 /-</u></b>	2021325250
<b><u>A61M 15 /-</u></b>	<b><u>A61N 5 /-</u></b>	2018399627	<b><u>A61P 43 /-</u></b>		
		2019210703		2023336078	<b><u>B01D 63 /-</u></b>
2022200646	2017361124	2020294268	2019226051	<b><u>A63F 1 /-</u></b>	2020287227
2022204311	2018379378	2021254623	2019315213		<b><u>B01D 65 /-</u></b>
2022224822	<b><u>A61N 7 /-</u></b>	2022259716	2020354743	2019305487	
<b><u>A61M 16 /-</u></b>		<b><u>A61P 3 /-</u></b>	2022204463		2021255653
	2019249430		<b><u>A61P 5 /-</u></b>	<b><u>A63F 13 /-</u></b>	<b><u>B01D 7 /-</u></b>
2018227305	<b><u>A61P 1 /-</u></b>	2017285764			
2019202886		2019363725	2017234929	2021454211	<b><u>B01D 9 /-</u></b>
2021325277	2020354743	2020354743	2018256963	<b><u>A63H 33 /-</u></b>	2021325250
2022200646	2020416346	2021254623	2020342140		<b><u>B01D 9 /-</u></b>
<b><u>A61M 21 /-</u></b>	2020417121	2022259716	2020354743	<b><u>B01D 15 /-</u></b>	
	2020418312	<b><u>A61P 3 /-</u></b>	2022204463		2018385394
2018383758	2021290408	2017285764	<b><u>A61P 5 /-</u></b>	2020375503	<b><u>B01D 7 /-</u></b>
	2022283413	2019363725		<b><u>B01D 24 /-</u></b>	
<b><u>A61M 25 /-</u></b>	<b><u>A61P 11 /-</u></b>	2020354743	2018250008		<b><u>B01D 9 /-</u></b>
		2020354743	2022204463	2020238651	2016405754
2018294227	2020354743	2020416346	<b><u>A61P 7 /-</u></b>		<b><u>B01F 27 /-</u></b>
		2020417121		<b><u>B01D 15 /-</u></b>	
		2020418312	2019315213	2018385394	
		2021233745	2021408195	2020375503	2018274974
		2021304762	<b><u>A61P 9 /-</u></b>	<b><u>B01D 24 /-</u></b>	<b><u>B01J 13 /-</u></b>
		2022279469			
		<b><u>A61P 31 /-</u></b>	2018250008	2018255486	<b><u>B01J 19 /-</u></b>
			2022204463	2023202447	
		2018332216	<b><u>A61P 7 /-</u></b>		2018401700
				<b><u>B01D 25 /-</u></b>	<b><u>B01J 19 /-</u></b>
			2019315213		2018284227
			2021408195	2019252265	2022202227
			<b><u>A61P 9 /-</u></b>	<b><u>B01D 29 /-</u></b>	<b><u>B01J 20 /-</u></b>
			2019208331	2019315857	2021417688
			2020354743	2021230494	
			2021254623		

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<b><u>B01L 1 /-</u></b>	<b><u>B22C 9 /-</u></b>	<b><u>B25J 9 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B60C 1 /-</u></b>	<b><u>B60W 40 /-</u></b>
2019392781	2018293393	2020253548	2021266119	2019481062	2023201966
<b><u>B01L 3 /-</u></b>	<b><u>B22D 35 /-</u></b>	2020321632	2022204207	<b><u>B60C 11 /-</u></b>	<b><u>B61D 3 /-</u></b>
2017248682	2018293393	2023209797		2019478843	2018384640
2019392781		<b><u>B28B 1 /-</u></b>	<b><u>B32B 33 /-</u></b>	<b><u>B60D 1 /-</u></b>	<b><u>B61F 1 /-</u></b>
2022201391	<b><u>B23Q 3 /-</u></b>	2022221553	2021266119	2022203207	2018384640
2022202227	2022271393	<b><u>B28B 17 /-</u></b>	<b><u>B32B 37 /-</u></b>	<b><u>B60G 11 /-</u></b>	<b><u>B61F 19 /-</u></b>
2022203375		2022221553	2021266119	2022231787	2018384640
2022304690	<b><u>B24B 19 /-</u></b>	<b><u>B28C 5 /-</u></b>	<b><u>B33Y 30 /-</u></b>	<b><u>B60G 7 /-</u></b>	<b><u>B61F 5 /-</u></b>
<b><u>B01L 9 /-</u></b>	2023200097	2018388777	2022221553	2022231787	2019371359
2022203375	<b><u>B24B 55 /-</u></b>	<b><u>B29C 35 /-</u></b>	<b><u>B33Y 80 /-</u></b>	<b><u>B60K 28 /-</u></b>	<b><u>B61L 1 /-</u></b>
2022304690	2018330395	2019240858	2022221553	2021317742	2022256187
<b><u>B02C 17 /-</u></b>	<b><u>B24B 7 /-</u></b>	2019240859	<b><u>B41F 17 /-</u></b>	<b><u>B60K 31 /-</u></b>	<b><u>B61L 15 /-</u></b>
2022210883	2018330395	<b><u>B29C 43 /-</u></b>	2019266494	2021405485	2021394613
<b><u>B03B 9 /-</u></b>	<b><u>B25B 1 /-</u></b>	2019240858	<b><u>B41F 27 /-</u></b>	2021405506	2021395264
2022402780	2019428645	2019240859	2019266494	<b><u>B60K 7 /-</u></b>	<b><u>B61L 23 /-</u></b>
<b><u>B03D 1 /-</u></b>	<b><u>B25B 13 /-</u></b>	<b><u>B29C 45 /-</u></b>	<b><u>B41J 2 /-</u></b>	2020347229	2022256187
2018364623	2022206763	2018317498	2020474861	<b><u>B60L 3 /-</u></b>	<b><u>B61L 25 /-</u></b>
<b><u>B04B 13 /-</u></b>	<b><u>B25B 21 /-</u></b>	<b><u>B29C 48 /-</u></b>	<b><u>B41M 3 /-</u></b>	2023200984	2021394613
2018330395	2022204796	2021266119	2019266494	<b><u>B60L 53 /-</u></b>	<b><u>B62B 1 /-</u></b>
<b><u>B05B 12 /-</u></b>	<b><u>B25B 23 /-</u></b>	<b><u>B29C 51 /-</u></b>	<b><u>B42D 25 /-</u></b>	2022316043	2018292136
2018298391	2022204796	2022228157	2019266494	2022328323	2022200005
2019252921	2022206763	<b><u>B29C 55 /-</u></b>	<b><u>B44B 5 /-</u></b>	<b><u>B60L 8 /-</u></b>	<b><u>B62B 3 /-</u></b>
<b><u>B05B 5 /-</u></b>	<b><u>B25B 7 /-</u></b>	2021266119	2019240858	2018264146	2018292136
2018298391	2018354710	<b><u>B29C 59 /-</u></b>	2019240859	<b><u>B60N 2 /-</u></b>	<b><u>B62B 5 /-</u></b>
<b><u>B05D 3 /-</u></b>	2019428645	2019240858	<b><u>B44C 1 /-</u></b>	2020388822	2018292136
2019266494	<b><u>B25C 1 /-</u></b>	2019240859	2019240858	<b><u>B60P 7 /-</u></b>	2019246854
<b><u>B05D 5 /-</u></b>	2018351907	<b><u>B29C 70 /-</u></b>	2019240859	2023316923	<b><u>B62D 15 /-</u></b>
2019266494	<b><u>B25D 17 /-</u></b>	2018317498	<b><u>B60B 1 /-</u></b>	<b><u>B60R 9 /-</u></b>	2021355468
<b><u>B09B 3 /-</u></b>	2022204796	2022228157	2018317498	2022332691	<b><u>B62D 17 /-</u></b>
2018291377	<b><u>B25H 3 /-</u></b>	<b><u>B29D 29 /-</u></b>	<b><u>B60B 11 /-</u></b>	2023316923	2023201563
2023222970	2020421470	2020315039	2020347229	<b><u>B60S 9 /-</u></b>	<b><u>B62D 63 /-</u></b>
<b><u>B21D 19 /-</u></b>	<b><u>B25J 11 /-</u></b>	<b><u>B29K 667 /-</u></b>	<b><u>B60B 27 /-</u></b>	2018204919	2021284946
2018354710	2020321632	2019240858	2020347229	<b><u>B60T 1 /-</u></b>	<b><u>B62M 6 /-</u></b>
<b><u>B21D 22 /-</u></b>	2023209797	2019240859	<b><u>B60B 30 /-</u></b>	2021284946	2020297516
2018257980	<b><u>B25J 13 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60B 35 /-</u></b>	<b><u>B60T 13 /-</u></b>	<b><u>B63B 21 /-</u></b>
<b><u>B21D 39 /-</u></b>	2020253548	2019240858	2023201563	2021284946	2018256526
2018354710	<b><u>B25J 15 /-</u></b>	2019240859	<b><u>B60B 5 /-</u></b>	<b><u>B60W 30 /-</u></b>	2023200725
<b><u>B21D 5 /-</u></b>	2020253548	<b><u>B29L 7 /-</u></b>	2018317498	2021284946	<b><u>B63B 25 /-</u></b>
2018354710	2023209797	2019240858	2023201966	2023201966	2020413201
<b><u>B21D 51 /-</u></b>	<b><u>B25J 19 /-</u></b>	2019240859			2020415040
2018257980	2020321632	<b><u>B30B 15 /-</u></b>			
		2018311228			

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<b><u>B63B 32 /-</u></b>	<b><u>B65D 47 /-</u></b>	2022224762 2023209797	<b><u>B66C 1 /-</u></b>	<b><u>C01G 23 /-</u></b>	<b><u>C07C 271 /-</u></b>
2023336078	2017420677 2021217146		2018291807	2019219963	2019317095
<b><u>B63C 11 /-</u></b>	<b><u>B65D 5 /-</u></b>	2018231181 2022224762	<b><u>B66D 1 /-</u></b>	<b><u>C01G 49 /-</u></b>	<b><u>C07C 51 /-</u></b>
2020253548	2017441095		2022291605	2022275579	2021425469
<b><u>B63J 99 /-</u></b>	<b><u>B65D 65 /-</u></b>	<b><u>B65G 43 /-</u></b>	<b><u>B66F 3 /-</u></b>	<b><u>C01G 53 /-</u></b>	<b><u>C07C 59 /-</u></b>
2018365333	2019232404 2021266119	2022224762	2018247352	2018372708	2021425469
<b><u>B64C 13 /-</u></b>	<b><u>B65D 71 /-</u></b>	<b><u>B65G 47 /-</u></b>	<b><u>B67D 3 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07C 63 /-</u></b>
2019230072	2017441095	2018348785 2023209797	2020383624	2016405754 2017425203 2021275700	2018223177
<b><u>B64C 27 /-</u></b>	<b><u>B65D 75 /-</u></b>	<b><u>B65G 49 /-</u></b>	<b><u>B67D 7 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07C 67 /-</u></b>
2018284337 2018291807	2017441095	2023209797	2018242161	2016405754	2018360502 2020452683
<b><u>B64C 37 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>B65G 53 /-</u></b>	<b><u>B67D 9 /-</u></b>	<b><u>C02F 11 /-</u></b>	<b><u>C07C 69 /-</u></b>
2018284337	2017441095 2018400481	2020383624 2022287634	2018242161	2023202447	2018360502 2020452683
<b><u>B64C 39 /-</u></b>	<b><u>B65D 79 /-</u></b>	<b><u>B65G 65 /-</u></b>	<b><u>B68B 3 /-</u></b>	<b><u>C02F 3 /-</u></b>	<b><u>C07D 213 /-</u></b>
2018264146 2019230072	2018400481	2018348785	2019262337	2020287227	2018223177 2019221019 2021391477
<b><u>B64D 1 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>B65G 67 /-</u></b>	<b><u>B68C 1 /-</u></b>	<b><u>C02F 9 /-</u></b>	<b><u>C07D 223 /-</u></b>
2018291807	2021316187	2018348785	2019262337	2016405754	2021256157
<b><u>B64D 17 /-</u></b>	<b><u>B65D 88 /-</u></b>	<b><u>B65H 49 /-</u></b>	<b><u>B82Y 30 /-</u></b>	<b><u>C03B 5 /-</u></b>	<b><u>C07D 231 /-</u></b>
2018291807	2018425538	2022204909	2022335914	2019236452	2019208331 2019350525 2019478778
<b><u>B64D 31 /-</u></b>	<b><u>B65D 90 /-</u></b>	<b><u>B65H 54 /-</u></b>	<b><u>B82Y 40 /-</u></b>	<b><u>C03C 17 /-</u></b>	<b><u>C07D 233 /-</u></b>
2018264146	2018425538 2020415040 2024202183	2022204909	2022335914	2018294510	2019371591
<b><u>B64F 1 /-</u></b>	<b><u>B65F 1 /-</u></b>	<b><u>B66B 1 /-</u></b>	<b><u>C01B 13 /-</u></b>	<b><u>C03C 3 /-</u></b>	<b><u>C07D 235 /-</u></b>
2022328323	2018291377 2019477491	2020306683 2020328170	2022224824	2021208266	2019371591
<b><u>B65B 25 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>B66B 13 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C03C 4 /-</u></b>	<b><u>C07D 235 /-</u></b>
2023209797	2019201972 2021229601 2021405506	2020374415	2018284231 2021261350 2022224824	2021208266	2018366253 2019262169
<b><u>B65B 35 /-</u></b>	<b><u>B65G 15 /-</u></b>	<b><u>B66B 19 /-</u></b>	<b><u>C01B 32 /-</u></b>	<b><u>C04B 35 /-</u></b>	<b><u>C07D 239 /-</u></b>
2023209797	2018348785 2020315039 2021236550	2020379140	2021377556	2021377556	2021256157 2021289163
<b><u>B65B 43 /-</u></b>	<b><u>B65G 17 /-</u></b>	<b><u>B66B 21 /-</u></b>	<b><u>C05C 9 /-</u></b>	<b><u>C07C 229 /-</u></b>	<b><u>C07D 243 /-</u></b>
2022228157	2018231181 2018348785	2020455181	2023201526	2019317095 2021236067	2021256157
<b><u>B65B 51 /-</u></b>	<b><u>B65G 19 /-</u></b>	<b><u>B66B 23 /-</u></b>	<b><u>C05G 3 /-</u></b>	<b><u>C07C 235 /-</u></b>	<b><u>C07D 257 /-</u></b>
2022215187	2018231181 2018348785	2020455181	2023201526	2022202949	2022200583
<b><u>B65D 17 /-</u></b>	<b><u>B65G 19 /-</u></b>	<b><u>B66B 5 /-</u></b>	<b><u>C01C 1 /-</u></b>	<b><u>C07C 235 /-</u></b>	<b><u>C07D 271 /-</u></b>
2021372729	2018231181 2018348785	2020328170	2021261350	2022202949	2018348350 2019208331
<b><u>B65D 21 /-</u></b>	<b><u>B65G 21 /-</u></b>	<b><u>B66B 7 /-</u></b>	<b><u>C01F 11 /-</u></b>	<b><u>C07C 255 /-</u></b>	<b><u>C07D 277 /-</u></b>
2019214584 2020421470	2018231181 2022224762	2018203458 2020374415	2022335439	2020206826	2019386994
<b><u>B65D 27 /-</u></b>	<b><u>B65G 21 /-</u></b>	<b><u>B66B 9 /-</u></b>	<b><u>C01F 5 /-</u></b>		<b><u>C07D 313 /-</u></b>
2021316187	2018270494	2020379140 2022291605	2019266358		2021256157
			<b><u>C01G 21 /-</u></b>		
			2022335914		



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<b><u>C07D 333 /-</u></b>	<b><u>C07D 498 /-</u></b>	2022204463 2022228122 2022246445	<b><u>C08K 3 /-</u></b>	<b><u>C09K 21 /-</u></b>	2022246445 2023201289
2019297400 2019297402	2022202494	2022283413 2023201289	2021386880	2021417688	<b><u>C12N 5 /-</u></b>
<b><u>C07D 401 /-</u></b>	<b><u>C07D 519 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C09K 8 /-</u></b>	2017234929 2017362418 2018292271 2020354743 2021204404 2021218109 2021253701 2022201656 2022204463
2018366253 2019208331 2019371591 2021239135 2021289163 2021295423 2021408195 2022200583	2021256157	2017218415 2017232546 2017238218 2017249435 2017285764 2017294772 2017296095 2018222743 2019218786 2019243453 2019270624 2019479791 2020233642 2020255712 2020264349 2020267211 2020267226 2020277108 2020289179 2020294159 2020294340 2020294880 2021200264 2021200309 2021245214 2022200583 2022259847	2022205254	2021205881 2021417688	<b><u>C12N 7 /-</u></b>
<b><u>C07D 403 /-</u></b>	<b><u>C07F 5 /-</u></b>	<b><u>C08L 1 /-</u></b>	<b><u>C08L 5 /-</u></b>	<b><u>C11D 3 /-</u></b>	2017234929 2018273799 2021200367
2019208331 2021213258 2021239135 2021256157 2021289163 2022202494	2018360502	<b><u>C08L 23 /-</u></b>	2022231716	2021226049 2024200412	<b><u>C12N 9 /-</u></b>
<b><u>C07D 405 /-</u></b>	<b><u>C07F 9 /-</u></b>	<b><u>C08L 71 /-</u></b>	<b><u>C08L 71 /-</u></b>	<b><u>C12M 1 /-</u></b>	2017252023 2017294772 2017345217 2018224325 2018274769 2018322748 2018387151 2020277108 2022464445
2021289163	2019232736 2021260618	<b><u>C09C 1 /-</u></b>	2021386880	2018205165 2018292271 2018391022 2021253701 2021306196	<b><u>C12M 3 /-</u></b>
<b><u>C07D 413 /-</u></b>	<b><u>C07H 1 /-</u></b>	<b><u>C09C 3 /-</u></b>	2019219963	<b><u>C12M 3 /-</u></b>	2021253701
2018205275 2019208331 2019297400 2019297402 2022202494	2018373415 2018373610 2019214401	<b><u>C09D 105 /-</u></b>	2019219963	<b><u>C12N 1 /-</u></b>	<b><u>C12P 19 /-</u></b>
<b><u>C07D 417 /-</u></b>	<b><u>C07H 13 /-</u></b>	<b><u>C09D 107 /-</u></b>	<b><u>C09D 105 /-</u></b>	2020354743 2020416346 2020417121 2020418312 2020438735	2018224325 2018373415 2018373610 2020375503
2018205275 2019208331	2018373415	<b><u>C09D 11 /-</u></b>	2018324496	<b><u>C12N 13 /-</u></b>	<b><u>C12P 21 /-</u></b>
<b><u>C07D 455 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C09D 11 /-</u></b>	2017357919	2021254623
2022206685	2017220012 2017234929 2018332216 2018399627	2019218786 2019270624 2019479791 2020255712 2021254623 2022204463	2019219963 2019266494	<b><u>C12N 15 /-</u></b>	<b><u>C12P 3 /-</u></b>
<b><u>C07D 471 /-</u></b>	<b><u>C07H 3 /-</u></b>	<b><u>C07K 5 /-</u></b>	<b><u>C09D 121 /-</u></b>	2017227803 2017234929 2017252023 2017313064 2018255346 2018273799 2018274769 2018284227 2018332216 2019218786 2019317095 2019479791 2020233708 2020255712 2020264349 2020277108 2020289179 2020294880 2021200367 2021201220 2021232801 2021254623 2022201266 2022201656 2022202219 2022204463	2018284231
2019304487 2019478778 2021256157 2022200583 2022202494	2018373610 2019214401	2019249121 2021233745	2018324496	<b><u>C12Q 1 /-</u></b>	2017354900 2018273799 2018290327 2018307807 2020203180 2020354743 2021264267 2021290258 2022202219
<b><u>C07D 473 /-</u></b>	<b><u>C07J 43 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C09D 129 /-</u></b>	<b><u>C12R 1 /-</u></b>	2020416346 2020417121 2020438735
2019232736	2018360845	2019218786 2021263769	2018324496	<b><u>C13B 20 /-</u></b>	2023200820
<b><u>C07D 487 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08B 37 /-</u></b>	<b><u>C09D 133 /-</u></b>	<b><u>C22B 11 /-</u></b>	2018317930
2021256157 2021260618 2021318602 2021408227 2022202494 2022204163 2022215237 2022216707	2020342140 2021304762	2018329430 2018370745 2019240175 2022231716	2019240858 2019240859		
<b><u>C07D 491 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08F 220 /-</u></b>	<b><u>C09D 175 /-</u></b>		
2021408227 2022202494	2017313064 2018379121 2019218786 2020233708 2020264349 2020342140 2021200367 2021203746 2021254623 2021281910 2021304762 2022200583	2018432075	2018324496		
		<b><u>C08G 18 /-</u></b>	<b><u>C09D 201 /-</u></b>		
		2018333932	2019219963		
		<b><u>C08J 5 /-</u></b>	<b><u>C09D 7 /-</u></b>		
		2022204207	2019219963		

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<b><u>C22B 13 /-</u></b>	<b><u>D06M 15 /-</u></b>	<b><u>E03F 7 /-</u></b>	<b><u>E06C 1 /-</u></b>	<b><u>E21B 44 /-</u></b>	<b><u>F01D 25 /-</u></b>
2019267327	2018417338	2018356205	2022291605	2022271393	2021250672 2021286404
<b><u>C22B 15 /-</u></b>	<b><u>D06P 1 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>E06C 5 /-</u></b>	<b><u>E21B 45 /-</u></b>	<b><u>F01K 13 /-</u></b>
2018317930	2018417338	2018363745 2020280509	2022332691	2022271393	2018205165 2018365333
<b><u>C22B 3 /-</u></b>	<b><u>E01B 26 /-</u></b>	<b><u>E04B 5 /-</u></b>	<b><u>E06C 7 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F01K 17 /-</u></b>
2018317930	2023200097	2018201872 2020280509	2022291605 2022332691	2018298054 2020288277 2021355374 2022271393	2018205165
<b><u>C22B 7 /-</u></b>	<b><u>E01B 29 /-</u></b>	<b><u>E04B 7 /-</u></b>	<b><u>E21B 10 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F01K 23 /-</u></b>
2019267327	2023200097	2018363745	2018203951 2021207405	2018298054	2021300508
<b><u>C23F 11 /-</u></b>	<b><u>E01B 31 /-</u></b>	<b><u>E04B 9 /-</u></b>	<b><u>E21B 12 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F02C 1 /-</u></b>
2018366253	2023200097	2018363745	2018203951	2020288277 2022350920	2021250672
<b><u>C25B 1 /-</u></b>	<b><u>E01B 37 /-</u></b>	<b><u>E04C 3 /-</u></b>	<b><u>E21B 17 /-</u></b>	<b><u>E21C 25 /-</u></b>	<b><u>F02C 6 /-</u></b>
2018205165	2023200097	2018363745	2020201855 2020288277	2018203951 2018231181	2018205165 2021286404
<b><u>C25B 15 /-</u></b>	<b><u>E01B 5 /-</u></b>	<b><u>E04D 13 /-</u></b>	<b><u>E21B 19 /-</u></b>	<b><u>E21C 35 /-</u></b>	<b><u>F02C 7 /-</u></b>
2022224824	2019240737	2018204683 2021269127	2018456051	2018203951 2018231181	2021250672 2021286404
<b><u>C25B 3 /-</u></b>	<b><u>E01B 7 /-</u></b>	<b><u>E04D 15 /-</u></b>	<b><u>E21B 23 /-</u></b>	<b><u>E21C 39 /-</u></b>	<b><u>F02C 9 /-</u></b>
2022224824	2019240737	2018354710	2018316665 2018456051	2020340709	2021300507
<b><u>C25B 9 /-</u></b>	<b><u>E01C 9 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>E21C 41 /-</u></b>	<b><u>F02D 19 /-</u></b>
2022224824	2018323106	2018348785	2018255486 2018316665 2019290372 2021417688 2022224816 2023200725	2020340709	2018317200
<b><u>D01F 8 /-</u></b>	<b><u>E01F 7 /-</u></b>	<b><u>E04G 3 /-</u></b>	<b><u>E21B 34 /-</u></b>	<b><u>E21D 21 /-</u></b>	<b><u>F02M 37 /-</u></b>
2019238661	2021215092	2018201872	2018362224 2019223309 2019290372 2022224816	2018375020	2019315857
<b><u>D03D 15 /-</u></b>	<b><u>E02B 15 /-</u></b>	<b><u>E04G 7 /-</u></b>	<b><u>E21B 37 /-</u></b>	<b><u>E21D 23 /-</u></b>	<b><u>F02M 61 /-</u></b>
2019238661	2017425203	2023201900	2018362224 2019223309 2019290372 2022224816	2021460326	2018249861
<b><u>D05B 43 /-</u></b>	<b><u>E02B 3 /-</u></b>	<b><u>E04H 15 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F02M 63 /-</u></b>
2022204909	2018406438 2018408876	2021258041	2018427121 2020253548 2021255653 2023200725	2021243549 2021279790	2018249861
<b><u>D05C 15 /-</u></b>	<b><u>E02D 5 /-</u></b>	<b><u>E04H 4 /-</u></b>	<b><u>E21B 37 /-</u></b>	<b><u>E21F 5 /-</u></b>	<b><u>F03B 17 /-</u></b>
2018382399	2018408876 2021207405	2020263235 2022268309	2018362224	2021417688	2019364866
<b><u>D06C 7 /-</u></b>	<b><u>E02D 7 /-</u></b>	<b><u>E05B 15 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>F01C 1 /-</u></b>	<b><u>F03B 9 /-</u></b>
2019238661	2021207405	2023201126	2018427121 2020253548 2021255653 2023200725	2019216279	2019364866
<b><u>D06F 33 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E05B 63 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F01C 21 /-</u></b>	<b><u>F03D 13 /-</u></b>
2020379453	2021337890	2023201126	2018255486 2019233805 2019290372 2020201855 2021205881 2021255653 2021355374 2023200725	2021460326	2018247352
<b><u>D06F 34 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>E05C 1 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F01D 11 /-</u></b>	<b><u>F03D 17 /-</u></b>
2020379453	2021337890	2023201126	2018255486 2019233805 2019290372 2020201855 2021205881 2021255653 2021355374 2023200725	2019216279 2022200060	2021262176
<b><u>D06F 37 /-</u></b>	<b><u>E03B 3 /-</u></b>	<b><u>E05C 9 /-</u></b>	<b><u>F01D 15 /-</u></b>	<b><u>F01D 15 /-</u></b>	<b><u>F03D 9 /-</u></b>
2020379453	2018255486	2023201126	2021230003	2021300507	2021369170
<b><u>D06F 39 /-</u></b>	<b><u>E03D 11 /-</u></b>	<b><u>E06B 9 /-</u></b>			<b><u>F04B 43 /-</u></b>
2020379453	2019213023	2023200473			2019244412
<b><u>D06F 58 /-</u></b>					
2022209319					

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<b><u>F04C 18 /-</u></b>		2023251484	<b><u>F23J 15 /-</u></b>		<b><u>G01F 15 /-</u></b>
2020424201	<b><u>F16H 1 /-</u></b>			<b><u>F25D 25 /-</u></b>	2023210685
2022200060	2021469729	<b><u>F17C 5 /-</u></b>	2022285256	2021310164	
<b><u>F04C 29 /-</u></b>	<b><u>F16H 57 /-</u></b>	2020415040	<b><u>F23K 3 /-</u></b>		<b><u>G01F 25 /-</u></b>
2019216279	2020347229	<b><u>F17C 9 /-</u></b>	2022285256	<b><u>F25J 1 /-</u></b>	2023210685
2020424201	2021469729	2018365333	<b><u>F23N 1 /-</u></b>	2021261350	<b><u>G01G 23 /-</u></b>
<b><u>F04D 1 /-</u></b>	<b><u>F16H 7 /-</u></b>	<b><u>F21S 6 /-</u></b>	2022285256	<b><u>F25J 3 /-</u></b>	2019201224
2021301017	2022224762	2023203233	<b><u>F24C 15 /-</u></b>	2021261350	<b><u>G01N 1 /-</u></b>
<b><u>F04D 13 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>F21S 8 /-</u></b>	2018295558	<b><u>F27B 9 /-</u></b>	2019392781
2021301017	2020347229	2023203233	2023203142	2021245825	2021264267
<b><u>F04D 25 /-</u></b>	<b><u>F16K 1 /-</u></b>	<b><u>F21S 9 /-</u></b>	<b><u>F24C 7 /-</u></b>	<b><u>F27D 1 /-</u></b>	<b><u>G01N 21 /-</u></b>
2021435254	2023251484	2023203233	2023203142	2021377556	2018313767
<b><u>F04D 29 /-</u></b>	<b><u>F16K 21 /-</u></b>	<b><u>F21V 21 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>F41A 33 /-</u></b>	2019227317
2019321649	2023251484	2023203233	2021316340	2019209425	2019392781
2022202055			2022408255		2020239263
<b><u>F15B 1 /-</u></b>	<b><u>F16K 3 /-</u></b>	<b><u>F21V 3 /-</u></b>	<b><u>F24F 110 /-</u></b>	<b><u>F41C 33 /-</u></b>	<b><u>G01N 23 /-</u></b>
2018311228	2023251484	2023203233	2021316340	2023201167	2019298263
2022224816	<b><u>F16L 15 /-</u></b>	<b><u>F21V 31 /-</u></b>	2022408255	<b><u>F41G 3 /-</u></b>	2021306196
<b><u>F15B 19 /-</u></b>	2023201900	2023203233	<b><u>F24F 120 /-</u></b>	2019209425	<b><u>G01N 25 /-</u></b>
2022224816	<b><u>F16L 19 /-</u></b>	<b><u>F21V 33 /-</u></b>	2022408255	<b><u>F41H 5 /-</u></b>	<b><u>G01N 27 /-</u></b>
<b><u>F16B 17 /-</u></b>	2023201900	2022271422	<b><u>F24F 13 /-</u></b>	2018204308	2018290327
2018202596	<b><u>F16L 27 /-</u></b>	<b><u>F21W 131 /-</u></b>	2022202843	<b><u>F41H 7 /-</u></b>	2019212212
<b><u>F16B 25 /-</u></b>	2018364623	2023203233	<b><u>F24F 140 /-</u></b>	2018204308	2021290258
2022200050	<b><u>F16L 33 /-</u></b>	<b><u>F21Y 115 /-</u></b>	2021316340	<b><u>F41J 5 /-</u></b>	2022200894
<b><u>F16B 31 /-</u></b>	2018217435	2023203233	<b><u>F24F 7 /-</u></b>	2019209425	<b><u>G01N 30 /-</u></b>
2018202432	<b><u>F16L 37 /-</u></b>	<b><u>F23B 10 /-</u></b>	2022408255	<b><u>G01B 11 /-</u></b>	<b><u>G01N 31 /-</u></b>
<b><u>F16B 5 /-</u></b>	2018200718	2020443728	<b><u>F24H 1 /-</u></b>	2019201002	2018313767
2023201900	<b><u>F16L 41 /-</u></b>	<b><u>F23B 30 /-</u></b>	2022218526	<b><u>G01B 13 /-</u></b>	2019227317
2018202596	2023201900	2020443728	<b><u>F25B 43 /-</u></b>	2022206780	<b><u>G01N 33 /-</u></b>
<b><u>F16C 32 /-</u></b>	<b><u>F16L 55 /-</u></b>	2020443728	2021266850	<b><u>G01B 7 /-</u></b>	2017218415
2021286404		<b><u>F23C 1 /-</u></b>	<b><u>F25B 49 /-</u></b>	2021317742	2017248682
<b><u>F16D 1 /-</u></b>	2018217435	2022285256	2021316340	2022344804	2018205275
2022206763	2018356205	<b><u>F23C 10 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01B 9 /-</u></b>	2018243850
2022202843	2022202843	2020443728	2021259543	2019230452	2018273799
<b><u>F16D 61 /-</u></b>	<b><u>F16L 9 /-</u></b>	<b><u>F23C 6 /-</u></b>	2021329695	<b><u>G01C 11 /-</u></b>	2019212212
2021284946	2023201900	2020443728	<b><u>F25D 17 /-</u></b>	2022206780	2019377262
<b><u>F16F 1 /-</u></b>	<b><u>F16M 11 /-</u></b>	<b><u>F23G 5 /-</u></b>	2021259543	<b><u>G01C 21 /-</u></b>	2019392781
2019371359	2018292136	2018205165	<b><u>F25D 21 /-</u></b>	2022224855	2019416117
<b><u>F16G 13 /-</u></b>	<b><u>F16M 13 /-</u></b>	2020443728	2021259543	2023201966	2020203180
2018250867		2022285256	<b><u>F25D 23 /-</u></b>	<b><u>G01D 5 /-</u></b>	2020255712
<b><u>F16G 3 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F23G 7 /-</u></b>	2021259543	2022200583	2022200894
2021236550	2021269127	2018205165	2022271422	2022224834	2022275579
2021282460	2020413201			2022301541	2023201289

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2018298054	2022271393	<b><u>G05D 3 /-</u></b>	2023241291	<b><u>G06Q 30 /-</u></b>	2023202639 2023233328
<b><u>G01Q 40 /-</u></b>	<b><u>G01V 99 /-</u></b>	2023201966	<b><u>G06F 7 /-</u></b>	2019375854 2022202023	<b><u>G07C 5 /-</u></b>
2019230452	2022252835	<b><u>G05D 7 /-</u></b>	2019202915	<b><u>G06Q 40 /-</u></b>	2023200984
<b><u>G01R 1 /-</u></b>	<b><u>G02B 21 /-</u></b>	2022287634	<b><u>G06F 8 /-</u></b>	2022204732	<b><u>G08B 21 /-</u></b>
2018353511	2019230452 2020239263	<b><u>G05F 1 /-</u></b>	2018380147	<b><u>G06Q 50 /-</u></b>	2021317742 2021373575
<b><u>G01R 11 /-</u></b>	<b><u>G02B 27 /-</u></b>	2022218526	<b><u>G06F 9 /-</u></b>	2018427121 2022204732	<b><u>G08C 17 /-</u></b>
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<b><u>G01R 27 /-</u></b>	<b><u>G03H 1 /-</u></b>	<b><u>G06F 13 /-</u></b>	<b><u>G06N 10 /-</u></b>	2022206780 2022271393 2022283668	2018383758
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<b>H01H 85 /-</b>	<b>H01R 13 /-</b>				
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2022335914

**Certified Innovation Patents****Name Index**

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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- (71) C.E.T. Company Limited  
(11) AU-B-2019100537  
(21) 2019100537 (22) 20.05.2019  
(54) LAMP AND LAMP STRING STRUCTURE  
(51) Int. Cl.  
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    *F21K 9/20* ( 2016.01 )  
    *F21V 17/06* ( 2006.01 )  
    *F21V 17/12* ( 2006.01 )  
    *F21V 21/008* ( 2006.01 )  
    *F21V 21/08* ( 2006.01 )  
(31) 201821175514.0 (32) 24.07.18 (33) CN  
(45) 02.05.2024  
(72) Zhang, Hui  
(74) Madderns Pty Ltd

**Numerical Index**

2019100537 C.E.T. Company Limited



**IPC Index**

**F21K 9/-**

2019100537

**F21V 17/-**

2019100537

**F21V 19/-**

2019100537

**F21V 21/-**

2019100537

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2005243110 **Vehicle Monitoring Systems Pty Ltd** ( SARB Management Group Pty Ltd )
- 2011204924 **Vehicle Monitoring Systems Pty Ltd** ( SARB Management Group Pty Ltd )
- 2021254605 **Orica International Pte Ltd** ( DetNet South Africa (Pty) Limited )
- 2021254605 **Orica International Pte Ltd** ( Dyno Nobel Asia Pacific Pty Limited )
- 2021351468 **Redarc Technologies Pty Ltd** ( Jones Tulloch Pty Ltd )

**Opposition Withdrawn**

- 2016289432 **Fondazione Edmund Mach** ( Commonwealth Scientific and Industrial Research Organisation )
- 2020250316 **Maxsun (Dalian) Co., Ltd** ( Sitro Group Australia Pty Ltd )

**Patents Granted**

**Standard Patents**

2015261543	2016381992	2017214850	2017221840
2017254565	2017266298	2017295608	2017311512
2017313138	2017313912	2017316709	2017321708
2017322522	2017345317	2017347725	2017354932
2017356926	2017357044	2017358367	2017364476
2017376960	2017378320	2017380318	2017391164
2017402745	2017422539	2017426490	2017430148
2017436819	2017440227	2017441379	2017444344
2018200210	2018200215	2018200811	2018204079
2018204763	2018218176	2018220042	2018220043
2018222931	2018222992	2018224326	2018224378
2018225190	2018225327	2018227062	2018229351
2018230435	2018231413	2018235030	2018235944
2018236224	2018244806	2018249513	2018250498
2018251872	2018253796	2018254426	2018256404
2018256446	2018259245	2018263955	2018264148
2018265597	2018268228	2018268847	2018269547
2018273178	2018279829	2018284233	2018284669
2018285822	2018287736	2018290347	2018293444
2018297577	2018297940	2018298471	2018303360
2018304463	2018304808	2018307701	2018308563
2018309039	2018309559	2018309736	2018310825
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2018323627	2018325090	2018326485	2018327402
2018328750	2018329967	2018331269	2018331381
2018333273	2018336054	2018338717	2018339565
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2019319599	2019333921	2019338412	2019362095
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2019460131	2019461286	2019461478	2019476738

**Patents Granted**

**Standard Patents**

2020206246	2020241693	2020257284	2020266587
2020267165	2020267589	2020289124	2020290461
2020308353	2020309625	2020315443	2020317436
2020321977	2020325204	2020327870	2020337996
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2020353147	2020353148	2020354889	2020355214
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2020391556	2020395084	2020398114	2020400885
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2021222598	2021225187	2021225188	2021225292
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2023233147	2023251406		

**Innovation Patents**

2019101853	2020104502	2020104504	2024100018
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**Assignments Registered**

- 2004254110 **Clasado Research Services Limited** The patent has been assigned to **Clasado Limited**
- 2004324246 **Tama Plastic Industry** The patent has been assigned to **Tama Group**
- 2005207042 **Astellas Institute for Regenerative Medicine** The patent has been assigned to **President and Fellows of Harvard College**
- 2005274579 **Yantai Obioadc Biomedical Technology Ltd.** The patent has been assigned to **RemeGen Co., Ltd.**

**Assignments Registered**

2005300259 Tama Plastic Industry The patent has been assigned to **Tama Group**

2005325753 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2006226103 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2006299833 Unimed Pharmaceuticals, LLC; Besins Healthcare Luxembourg SARL The patent has been assigned to **Besins Healthcare Luxembourg SARL**

2007211356 Clasado Research Services Limited The patent has been assigned to **Clasado Limited**

2007224275 OncoSec Medical Incorporated The patent has been assigned to **Grand Decade Developments Limited**

2008331564 Syngenta Participations AG The patent has been assigned to **Agrivida, Inc.**

2008352003 Syngenta Participations AG The patent has been assigned to **Agrivida, Inc.**

2008355557 Tama Plastic Industry The patent has been assigned to **Tama Group**

2008358367 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2009209029 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2009255992 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2009343398 Yantai Obioadc Biomedical Technology Ltd. The patent has been assigned to **RemeGen Co., Ltd.**

2009347008 Clasado Research Services Limited The patent has been assigned to **Clasado Limited**

2009347137 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2010210501 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2010234689 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2010240642 Clasado Research Services Limited The patent has been assigned to **Clasado Limited**

2010244197 Akamis Bio Limited The patent has been assigned to **Barinthus Biotherapeutics North America, Inc.**

2010249263 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2010250178 DEC International NZ Limited The patent has been assigned to **QUANTEC ANIMAL HEALTH LIMITED**

2010257236 TelTech Systems, Inc. The patent has been assigned to **BENDING SPOONS S.P.A.**

2011369219 Tama Plastic Industry The patent has been assigned to **Tama Group**

2011375396 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

**Assignments Registered**

2012201562 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2012201850 OncoSec Medical Incorporated The patent has been assigned to **Grand Decade Developments Limited**

2012203730 Clasado Research Services Limited The patent has been assigned to **Clasado Limited**

2012218888 Tsukishima Kikai Co., Ltd. The patent has been assigned to **TSUKISHIMA KIKAI CO., LTD.**

2012235025 Tsukishima Kikai Co., Ltd. The patent has been assigned to **TSUKISHIMA KIKAI CO., LTD.**

2012265703 Kirin Beer Kabushiki Kaisha The patent has been assigned to **Kirin Holdings Kabushiki Kaisha**

2012265933 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2012391349 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2013201791 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2013205095 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2013222047 LM Wind Power A/S The patent has been assigned to **General Electric Renovables España, S.L.**

2013225621 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2013242847 Tama Plastic Industry The patent has been assigned to **Tama Group**

2013248200 LM Wind Power A/S The patent has been assigned to **General Electric Renovables España, S.L.**

2013267025 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2013302386 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2013327407 Yeomans, Allan The patent has been assigned to **YS2 Humus Pty Limited**

2013340468 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2013350895 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2013353690 CKR WEALTH CC The patent has been assigned to **Handel, Anne**

2013354882 Engelhardt, Brenton; Padgett, Phil The patent has been assigned to **Engelhardt, Brenton**

2013371867 Tama Plastic Industry The patent has been assigned to **Tama Group**

2013381822 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2013395445 Tama Plastic Industry The patent has been assigned to **Tama Group**

**Assignments Registered**

2013397787 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2014200439 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2014242798 Clasado Research Services Limited The patent has been assigned to **Clasado Limited**

2014276442 I.D.E. Technologies Ltd. The patent has been assigned to **IDE Water Technologies Ltd.**

2014306564 Angers, Stephane; Robitaille, Melanie; Moffat, Jason; Sidhu, Sachdev The patent has been assigned to **ModMab Therapeutics Corporation**

2014308544 Tama Plastic Industry The patent has been assigned to **Tama Group**

2014333245 Tsukishima Kikai Co., Ltd. The patent has been assigned to **TSUKISHIMA KIKAI CO., LTD.**

2014359338 Ecophos S.A. The patent has been assigned to **Pray-on**

2014368485 Ecophos S.A. The patent has been assigned to **Pray-on**

2014393430 Wilson, Danny; Wilson, Sylvia The patent has been assigned to **Bark Busters International, LLC**

2014401578 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2014406529 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2014406531 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2014410591 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2015213537 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2015243093 Commonwealth Scientific and Industrial Research Organisation The patent has been assigned to **PPB Technology Pty Ltd**

2015263833 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2015263834 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2015263835 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2015263836 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2015289307 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2015298173 Johnson Controls Fire Protection LP The patent has been assigned to **Johnson Controls Tyco IP Holdings LLP**

2015335979 SciClone Pharmaceuticals International Ltd. The patent has been assigned to **SciClone Pharmaceuticals International (SG) PTE. LTD.**

**Assignments Registered**

2015347971 Kalmarna Limited The patent has been assigned to **Tonistry International Limited**

2015390718 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016204740 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016204741 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016207776 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2016219633 Tama Plastic Industry The patent has been assigned to **Tama Group**

2016222274 CTM@CRC Ltd. The patent has been assigned to **TekCyte Limited**

2016229850 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016244313 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016250577 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016256805 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2016259323 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2016268785 Powell (Richmond Hill) Contracting Limited; AMG Metals Inc.; DELAMERE/POWELL HOLDCO INC. The patent has been assigned to **RSG International Corp.**

2016302065 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2016308150 Verrency Holdings Limited The patent has been assigned to **SPV FinTech Innovations Pty Ltd**

2016320581 Verrency Holdings Limited The patent has been assigned to **SPV FinTech Innovations Pty Ltd**

2016341492 Enesi Pharma Limited The patent has been assigned to **Avaxzipen Limited**

2016389822 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2016432572 GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. The patent has been assigned to **TOYOTA JIDOSHA KABUSHIKI KAISHA**

2017200473 Astellas Institute for Regenerative Medicine The patent has been assigned to **President and Fellows of Harvard College**

2017203044 Tama Plastic Industry The patent has been assigned to **Tama Group**

2017204006 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2017206779 Pepper, Stephen; Speaker, Jonathan The patent has been assigned to **Pepper Inflatable Technologies LLC**

2017213207 Tsukishima Kikai Co., Ltd. The patent has been assigned to **TSUKISHIMA KIKAI CO., LTD.**

**Assignments Registered**

2017219613 Camris International, Inc. The patent has been assigned to **DayLife LLC**

2017261303 SACSH Corp. The patent has been assigned to **Sacsh, Inc.**

2017264912 Johnson Controls Fire Protection LP The patent has been assigned to **Johnson Controls Tyco IP Holdings LLP**

2017268539 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2017274520 E. I. Du Pont De Nemours and Company The patent has been assigned to **Covation Inc.**

2017298574 DELAMERE/POWELL HOLDCO INC.; AMG Metals Inc.; Powell (Richmond Hill) Contracting Limited The patent has been assigned to **RSG International Corp.**

2017302032 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2017314486 Ozuno Holdings Limited The patent has been assigned to **Ozuno Holdings Pty Ltd**

2017391784 GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. The patent has been assigned to **TOYOTA JIDOSHA KABUSHIKI KAISHA**

2017401979 GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. The patent has been assigned to **TOYOTA JIDOSHA KABUSHIKI KAISHA**

2018203895 Shire Human Genetic Therapies The patent has been assigned to **Trudell Medical International Inc.**

2018220515 Camris International, Inc. The patent has been assigned to **DayLife LLC**

2018260009 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2018272688 Cellular Biomedicine Group (Shanghai) Ltd.; Cellular Biomedicine Group (Wuxi) Ltd. The patent has been assigned to **Shanghai AbelZeta Ltd.**

2018278063 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2018315053 Commonwealth Scientific and Industrial Research Organisation The patent has been assigned to **PPB Technology Pty Ltd**

2019201643 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2019204169 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2019214773 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2019254161 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2019257358 Flowserve Management Company The patent has been assigned to **FLOWSERVE PTE. LTD.**

2019264562 Sidhu, Sachdev; Moffat, Jason; Robitaille, Melanie; Angers, Stephane The patent has been assigned to **ModMab Therapeutics Corporation**

**Assignments Registered**

2019331007 AMDT Holdings, Inc. The patent has been assigned to **Arthrex, Inc.**

2019345878 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2020210935 Neovasc Medical Ltd. The patent has been assigned to **Shockwave Medical, Inc.**

2020211601 Neovasc Medical Ltd. The patent has been assigned to **Shockwave Medical, Inc.**

2020214691 VILOX Sweden AB The patent has been assigned to **VILOX Systems AB**

2020281148 Trudell Medical International The patent has been assigned to **Trudell Medical International Inc.**

2020292572 FLSmidth A/S The patent has been assigned to **Raaz, Viktor**

2021209147 Guangdong OPPO Mobile Telecommunications Corp., Ltd. The patent has been assigned to **TOYOTA JIDOSHA KABUSHIKI KAISHA**

2021227683 Amplifica, Inc. The patent has been assigned to **AMPLIFICA HOLDINGS GROUP, INC.**

2021267538 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2021288503 Siemens Energy Global GmbH & Co. KG The patent has been assigned to **HSP Hochspannungsgeräte GmbH**

2022201199 FLUID ENERGY GROUP LTD The patent has been assigned to **Dorf Ketel Chemicals FZE**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2010306954 **Bristol-Myers Squibb Company**

The earliest first regulatory approval date provided by the patentee 27 Jul 2023

For the goods **NURTEC ODT rimegepant**

Extension of Term of patent pursuant to Section 77 expires on 13 Oct 2035

**Corrigenda**

In Vol 36 , No 31 , Page(s) 4377 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Sogang University Research Business Development Foundation, Application No. 2020410741, under INID (71) correct the applicant name to LSogang University Research & Business Development Foundation.

In Vol 57 , No 47 , Page(s) 6876 under the heading **Applications Accepted - Name Index** Under the name Beijing Sanyuan Foods Co., Ltd., Application No. 2023226655, under INID (72) delete duplicate inventors CHEN, Lijun; LIU, Lu; ZHAO, Junying; QIAO, Weicang and LIU, Xingyao

In Vol 58 , No 16 , Page(s) 2248 under the heading **Applications Accepted - Name Index** Under the name Sogang University Research Business Development Foundation, Application No. 2020410741, under

**Corrigenda**

INID (71) correct the applicant name to LSogang University Research & Business Development Foundation.

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2017332854	<b>The Governors of the University of Alberta</b>
2018303328	<b>TUNRA Ltd.</b>
2019398276	<b>Transitions Optical, Ltd.</b>
2020374934	<b>Nanjing Hanxin Pharmaceutical Technology Co., Ltd.</b>
2020402359	<b>THOMSON, D.</b>
2020404622	<b>Mitsubishi Shipbuilding Co., Ltd.</b>
2020428669	<b>Huawei Technologies Co., Ltd.</b>
2020472452	<b>SABERT (ZHONGSHAN) LIMITED</b>
2020477892	<b>VIASAT, INC.</b>
2020478312	<b>TT&amp;G Co., Ltd.</b>
2020480672	<b>BLANES SPA</b>
2021256967	<b>TAE TECHNOLOGIES, INC.</b>
2021327094	<b>ALL SKIN INC</b>
2021342570	<b>THE REGENTS OF THE UNIVERSITY OF CALIFORNIA</b>
2021343287	<b>CATALENT U.K. SWINDON ZYDIS LIMITED</b>
2021343475	<b>CALCILYTX THERAPEUTICS, INC.; UNITED STATES OF AMERICA, as represented by the SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES CLEMENZI, R.A.; SIGLIN, J.A.</b>
2021344408	<b>INSTITUTE FOR BASIC SCIENCE</b>
2021345339	<b>AVALYN PHARMA INC.</b>
2021347955	<b>CAPITAL ONE SERVICES, LLC</b>
2021347974	<b>ZHUHAI UNITED LABORATORIES CO., LTD.</b>
2021348707	<b>PROSCIA INC.</b>
2021349226	<b>GREY WOLF THERAPEUTICS LIMITED</b>
2021349344	<b>MEDIMMUNE, LLC</b>
2021349415	<b>TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)</b>
2021349420	<b>NEURINNOV; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INRIA - INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE; UNIVERSITÉ DE MONTPELLIER</b>
2021350489	<b>WELLTEC OILFIELD SOLUTIONS AG</b>
2021353037	<b>ENCLEAR THERAPIES, INC.</b>
2021355470	<b>VEEDER-ROOT COMPANY</b>
2021355474	<b>PHILIP MORRIS PRODUCTS S.A.</b>
2021357355	<b>IN2BONES USA, LLC</b>
2021357699	<b>HENKEL AG &amp; CO. KGAA</b>
2021359671	<b>VIASAT, INC.</b>
2021359855	<b>THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM</b>
2021360589	<b>R.P. SCHERER TECHNOLOGIES, LLC</b>
2021362248	<b>PURPOSEFUL IKE</b>
2021362742	<b>ADAMA AGAN LTD.</b>
2021362991	<b>UNIVERSITY OF WOLLONGONG</b>
2021363120	<b>LITIOHM SPA</b>
2021363139	<b>4D LIFETEC AG</b>
2021363573	<b>BRISTOL-MYERS SQUIBB COMPANY</b>
2021364302	<b>CONOCOPHILLIPS COMPANY</b>
2021364547	<b>THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES; Barinthus Biotherapeutics North America, Inc.</b>
2021364709	<b>ROBSON, D.G.</b>
2021364867	<b>ANGEL GROUP CO., LTD.</b>
2021365047	<b>BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA</b>
2021365763	<b>DIEHL DEFENCE GMBH &amp; CO. KG</b>
2021366148	<b>ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED</b>
2021366658	

**Specifications Republished**

2021367711	<b>FRICHS HOLDING 2 APS</b>
2021367887	<b>CYTUNE PHARMA</b>
2021368435	<b>NIPPON STEEL CORPORATION</b>
2021368778	<b>MAZURSKY, H.; MAZURSKY, A.; MAZURSKY, L.A.</b>
2021368859	<b>THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH</b>
2021368987	<b>EROAD Limited</b>
2021369744	<b>SPEER, T.</b>
2021370178	<b>NATIONAL UNIVERSITY OF SINGAPORE</b>
2021371310	<b>NAIAD MARITIME GROUP, INC.</b>
2021371450	<b>ELYSIS LIMITED PARTNERSHIP</b>
2021371895	<b>EVONIK OPERATIONS GMBH</b>
2021372660	<b>CYTUNE PHARMA</b>
2021372997	<b>LENTIGEN TECHNOLOGY, INC.</b>
2021373463	<b>MARUEMU WORKS CO., LTD.</b>
2021374786	<b>NUNHEMS B.V.</b>
2021375262	<b>EVONIK OPERATIONS GMBH</b>
2021375351	<b>CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; ECOLE CENTRALE DE LYON; ECOLE NATIONALE DES TRAVAUX PUBLICS DE L'ETAT</b>
2021375548	<b>NORTHWEST INSTRUMENT INC.</b>
2021376191	<b>BOSTON SCIENTIFIC NEUROMODULATION CORPORATION</b>
2021376242	<b>DEXCOM, INC.</b>
2021376378	<b>THE GILLETTE COMPANY LLC</b>
2021376534	<b>GREENWOOD-POWER GMBH</b>
2021376596	<b>HANGZHOU GRAND BIOLOGIC PHARMACEUTICAL INC.</b>
2021376932	<b>ADVANCED STERILIZATION PRODUCTS, INC.</b>
2021377248	<b>INIPHARM, INC.</b>
2021377369	<b>SIKA TECHNOLOGY AG</b>
2021378446	<b>ABB SCHWEIZ AG</b>
2021378643	<b>DEUTRAMED SOLUTIONS LTD.</b>
2021379519	<b>SYNBIOTICS AB</b>
2021379931	<b>KOUNT INC.</b>
2021380947	<b>ZEVRA DENMARK A/S</b>
2021381049	<b>RACING FORCE INTERNATIONAL W.L.L.</b>
2021381729	<b>KAO CORPORATION</b>
2021381870	<b>COLGATE-PALMOLIVE COMPANY</b>
2021381874	<b>AMSTED RAIL COMPANY, INC.</b>
2021381956	<b>SDG LLC</b>
2021382150	<b>METSO OUTOTEC FINLAND OY</b>
2021383227	<b>FOCHON BIOSCIENCES, LTD.</b>
2021383237	<b>BIOHENG THERAPEUTICS LIMITED</b>
2021383402	<b>COOLBROOK OY</b>
2021383413	<b>THORNTON, R.</b>
2021383472	<b>IMBOX PROTECTION A/S</b>
2021383768	<b>TELO THERAPEUTICS, INC.</b>
2021383888	<b>TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD.</b>
2021383919	<b>PAYPAL, INC.</b>
2021383941	<b>NEPRUD, K.</b>
2021384002	<b>UCL Business Ltd</b>
2021384004	<b>BISN TEC LTD</b>
2021385052	<b>PFIZER IRELAND PHARMACEUTICALS</b>
2021385081	<b>REVIVICOR, INC.</b>
2021385284	<b>S &amp; B TECHNICAL PRODUCTS, INC.</b>
2021385488	<b>ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY</b>
2021385555	<b>MA, M.J.</b>
2021385628	<b>HANWHA SOLUTIONS CORPORATION</b>
2021385871	<b>MARUHO CO., LTD.; THE UNIVERSITY OF TOKYO</b>
2021385934	<b>GREEN AMMO AS</b>
2021386240	<b>GENENTECH, INC.</b>
2021386366	<b>A2 BIOTHERAPEUTICS, INC.</b>
2021386381	<b>CATERPILLAR INC.</b>
2021386438	<b>GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.</b>
2021386553	<b>KRONES AG</b>
2021386599	<b>GRIPPLE LIMITED</b>

**Specifications Republished**

2021386726 **EBARA CORPORATION**  
 2021386780 **ORGANOX LIMITED**  
 2021387526 **INSTANTPADEL IN SWEDEN AB**  
 2021389137 **ELTA SYSTEMS LTD.**  
 2021390528 **RAYTHEON COMPANY**  
 2021390547 **BARD ACCESS SYSTEMS, INC.**  
 2021390549 **SHUTTERSTOCK, INC.**  
 2021390588 **BLASTONE TECHNOLOGY PTY LTD**  
 2021390590 **CYMRA LIFE SCIENCES LIMITED**  
 2021390658 **ALFRED KÄRCHER SE & CO. KG**  
 2021391031 **INTERNATIONAL BUSINESS MACHINES CORPORATION**  
 2021391739 **SAINT-GOBAIN WEBER FRANCE; SAINT-GOBAIN PLACO**  
 2021391951 **GENZYME CORPORATION**  
 2021391996 **SUBSEA 7 LIMITED**  
 2021392002 **ARMS S.R.L.**  
 2021392655 **THE JOHNS HOPKINS UNIVERSITY**  
 2021392727 **XACTWARE SOLUTIONS, INC.**  
 2021392816 **CALIX LTD**  
 2021393079 **CONVATEC LIMITED**  
 2021393080 **KALVISTA PHARMACEUTICALS LIMITED**  
 2021393370 **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION**  
 2021393832 **JOHNSON & JOHNSON CONSUMER INC.**  
 2021394102 **BEIJING GOLDWIND SCIENCE & CREATION WIND-POWER EQUIPMENT CO., LTD.**  
 2021394463 **BLANCO GMBH + CO KG**  
 2021394998 **INTELLIA THERAPEUTICS, INC.**  
 2021395923 **PANPAC ENGINEERING A/S**  
 2021395925 **CATERPILLAR SARL**  
 2021396069 **CATERPILLAR INC.**  
 2021396103 **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**  
 2021396526 **HUMANSCALE CORPORATION**  
 2021397806 **CARBELEC PTY LTD**  
 2021397862 **ANIMAL DYNAMICS LIMITED**  
 2021399111 **ROTOJAR INNOVATIONS LIMITED**  
 2021399287 **ATTAIN ROBOTICS LTD.**  
 2021400235 **YEDA RESEARCH AND DEVELOPMENT CO. LTD.**  
 2021400491 **ELI LILLY AND COMPANY**  
 2021401077 **COLGATE-PALMOLIVE COMPANY**  
 2021401929 **SUNBEAM PRODUCTS, INC.**  
 2021402550 **OCADO INNOVATION LIMITED**  
 2021402665 **KOENIG & BAUER BANKNOTE SOLUTIONS SA**  
 2021402907 **SPINE WAVE, INC.**  
 2021402966 **POSCO CO., LTD**  
 2021403085 **NORTHROP GRUMMAN SYSTEMS CORPORATION**  
 2021403197 **BIOLITE, INC.**  
 2021403914 **COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN**  
 2021404023 **NOVARTIS AG; YALE UNIVERSITY**  
 2021404409 **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION**  
 2021405480 **PRODIGEST**  
 2021405529 **LIGAR LIMITED PARTNERSHIP**  
 2021405707 **PERI SE**  
 2021406287 **PAUL HARTMANN AG**  
 2021407750 **PEKING UNIVERSITY**  
 2021408684 **GT APEIRON THERAPEUTICS LIMITED; EXSCIEN-TIA AI LIMITED**  
 2021409801 **Pfizer Inc.; ALLOGENE THERAPEUTICS, INC.**  
 2021410666 **BEAM THERAPEUTICS INC.**  
 2021411028 **BYD COMPANY LIMITED**  
 2021413684 **QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.**  
 2021418342 **NIPPON TELEGRAPH AND TELEPHONE CORPORATION**  
 2021418742 **BRAINLAB AG**  
 2021419917 **MINITUBISHI ELECTRIC CORPORATION**

**Specifications Republished**

2021422883 **MOHANRAJ, V.; HO, D.J.**  
 2021424076 **SAMSUNG ELECTRONICS CO., LTD.**  
 2021428062 **NANJING PIONEER AWARENESS INFORMATION TECHNOLOGY CO., LTD**  
 2021429543 **OBI PHARMA, INC.**  
 2021429805 **BEJO ZADEN B.V.**  
 2021431616 **HAINING ZHULUOJI BIOTECHNOLOGY CO., LTD.**  
 2022205136 **CELVIVO APS**  
 2022205421 **VERTEX PHARMACEUTICALS INCORPORATED**  
 2022205625 **GOODRICH, D.P.**  
 2022206444 **NONO INC.**  
 2022207060 **HENDRICKSON USA, L.L.C.**  
 2022210313 **BEAM THERAPEUTICS INC.**  
 2022211352 **F. Hoffmann-La Roche AG**  
 2022211396 **PROLACTA BIOSCIENCE, INC.**  
 2022212262 **QAAM PHARMACEUTICALS, LLC**  
 2022213300 **AQSEPTENCE GROUP, INC.**  
 2022213376 **HOVER INC.**  
 2022213579 **MEGMILK SNOW BRAND CO., LTD.**  
 2022214912 **JOHNSON & JOHNSON CONSUMER INC.**  
 2022215946 **AORTO MEDICAL LLC**  
 2022216186 **GUPTA, N.**  
 2022216272 **THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**  
 2022216802 **NOVAMONT S.P.A.**  
 2022218181 **AMGEN INC.**  
 2022218864 **CHEP TECHNOLOGY PTY LIMITED**  
 2022218866 **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**  
 2022218951 **CASE WESTERN RESERVE UNIVERSITY**  
 2022220801 **LOCUS SOLUTIONS IPCO, LLC**  
 2022223569 **SPECTRE MATERIALS SCIENCES, INC.**  
 2022227496 **HOWMEDICA OSTEONICS CORP.**  
 2022227784 **ELECTROLUX APPLIANCES AKTIEBOLAG**  
 2022231123 **CAPITAL ONE SERVICES, LLC**  
 2022244795 **NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD.**  
 2022253636 **VERSALIS S.P.A.**  
 2022259681 **HALLIBURTON ENERGY SERVICES, INC.**  
 2022288064 **HALLIBURTON ENERGY SERVICES, INC.**