



**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 7 December 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Assa Abloy Australia Pty Limited v Allegion (New Zealand) Limited [2023] APO 59***

Patent Application: 2020201595

Title: Door furniture

Patent Applicant: Allegion (New Zealand) Limited

Opponent: Assa Abloy Australia Pty Limited

Delegate: Dr N. R. Madsen – Deputy Commissioner of Patents

Decision Date: 27 November 2023

Hearing Date: 19 October 2023 via video conference

Catchwords: **PATENTS** – section 59 – door handle set and installation mechanisms – grounds of novelty and inventive step – construction of claims – no grounds made out – opposition unsuccessful – costs awarded against opponent

Representation: Patent attorney for the opponent: Adrian Crooks, Phillips Ormonde Fitzpatrick

Patent attorney for the applicant: Anthony Pietras, AJ Pietras IP Ltd

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 7 December 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Metso Outotec Sweden AB v FLSmidth A/S [2023] APO 60***

Patent Application:	2018264756
Title:	Roller mill and method of operating a roller mill
Patent Applicant:	FLSmidth A/S
Opponent:	Metso Outotec Sweden AB
Delegate:	Andrew Burgess
Decision Date:	29 November 2023
Hearing Date:	8 September 2023
Catchwords:	<b>PATENTS</b> – opposition to the grant of a patent under s59 – construction – clarity – claims 5 and 12 not clear – s40(2)(b) definition – claims define the invention – s40(3) support – claims are supported as they define the technical contribution – novelty – s7(1)(b) contrast to s7(3)(b) - claims novel – inventive step – claims 1-3, 5, and 7-11 not inventive – utility – claims deliver the promised benefit – opposition successful – applicant given opportunity to amend - costs awarded against the applicant
Representation:	Patent attorney for the applicant: Christian Schieber of Griffith Hack Patent & Trademark Attorneys Counsel for the opponent: Julian Cooke SC Patent attorney for the opponent: Matthew Lord and Wayne Slater of IP Gateway Patent & Trademark Attorneys

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 21 Nov 2023 .

(71) 4DMedical Limited (21) 2023903814 (22) 27.11.2023 (54) METHOD OF ASSESSING LUNG HEALTH	<b>Auckland UniServices Limited see The University of Melbourne</b> (21) 2023903812	(71) Cavendish Renewable Technology Pty Ltd (21) 2023903798 (22) 24.11.2023 (54) METHODS OF PRODUCING CATALYTIC COATINGS ON SUBSTRATES
(71) A.C.N. 166 970 627 Pty Ltd (21) 2023903777 (22) 23.11.2023 (54) Monitoring system for vibration dampening device	(71) Australian National University (21) 2023903762 (22) 22.11.2023 (54) Methods and systems for adapting a learning model	(71) Chester Brown Industries Pty Ltd (21) 2023903799 (22) 24.11.2023 (54) Agricultural Storage Assembly
(71) Accel Service Group Pty Ltd (21) 2023903810 (22) 27.11.2023 (54) Heating, Ventilation and Cooling System	<b>Barbulescu, T. see Barbulescu, D.</b> (21) 2023903781	(71) Chwialkowski, Z. (21) 2023903839 (22) 29.11.2023 (54) Technology to prevent histamine reaction from insect bites
(71) Aculeus Therapeutics Pty Ltd (21) 2023903793 (22) 24.11.2023 (54) Combination therapy and uses thereof	<b>Barbulescu, V. see Barbulescu, D.</b> (21) 2023903781	(71) CLAUSS, J. (21) 2023903788 (22) 24.11.2023 (54) A HEAT EXCHANGER
(71) Aitchison, D. (21) 2023903826 (22) 28.11.2023 (54) A pet pool	(71) Barbulescu, D.; Energy Storage Rights; Barbulescu, T.; Barbulescu, V. (21) 2023903781 (22) 23.11.2023 (54) Online offense detection with evidence management by deep packet inspection and bounty program	(71) Crimsafe Security Systems Pty Ltd (21) 2023903811 (22) 27.11.2023 (54) Building security screen assembly
(71) Algorae Pharmaceuticals Ltd (21) 2023903761 (22) 22.11.2023 (54) Compositions and uses thereof	(71) Biggar, D.; Hunter, L. (21) 2023903840 (22) 29.11.2023 (54) ROOFING PANEL AND ROOFING PANEL SYSTEM	(71) Croft, T. (21) 2023903783 (22) 23.11.2023 (54) Method of treating gold deposit
(71) Angela Lee Finn (21) 2023903785 (22) 24.11.2023 (54) A System for Small Scale Local Production of Fashion Garments and Accessories.	(71) Boden, T. (21) 2023903808 (22) 27.11.2023 (54) Geotechnical penetrometer	(71) Cunningham, S. (21) 2023903815 (22) 27.11.2023 (54) APPARATUS, METHOD AND SYSTEM FOR ADJUSTING COAXIAL NETWORK SIGNAL AMPLIFIER
(71) Arbortech Industries Ltd (21) 2023903770 (22) 23.11.2023 (54) POWER TOOL ATTACHMENT FOR FORMING SPHERICAL OR PARTIALLY SPHERICAL SURFACES	(71) Breville Pty Limited (21) 2023903786 (22) 24.11.2023 (54) Systems and Methods for Dosing and Weighing Coffee Beans	(71) DAS TRUST (21) 2023903837 (22) 28.11.2023 (54) digital health application to access mental health triage phone number using geolocation of the phone and consumer. idea of connecting patients to the mental health triage phone number using GPS or similar location based technology
	(71) Calix Ltd (21) 2023903827 (22) 28.11.2023 (54) IMPROVED POZZOLANS FOR CLINKER SUBSTITUTION AND METHODS OF MANUFACTURE	

Provisional Applications Filed - Name Index cont'd

(71) Deep Liquid Pty Ltd  
(21) 2023903773 (22) 23.11.2023  
(54) Mechanical Beverage Device

(71) EM Energy Holdings Pty Ltd  
(21) 2023903807 (22) 27.11.2023  
(54) ORGANIC HYDROGEN ELECTRO-  
LYSER CELL

Energy Storage Rights see Barbulescu, D.  
(21) 2023903781

(71) EPREP PTY LTD  
(21) 2023903832 (22) 28.11.2023  
(54) High ionic strength solutions for Li-  
quid-Liquid extraction automation of  
aqueous extractables using robotic  
analytical syringes

(71) Facer Holdings Pty Ltd  
(21) 2023903838 (22) 28.11.2023  
(54) CREMATION URN

(71) Fin Stabilisers International Pty Ltd  
(21) 2023903806 (22) 27.11.2023  
(54) BOAT HULL STABILISER FIN DE-  
PLOYMENT SYSTEM

Fish, N. see Fish, A.  
(21) 2023903821

(71) Fish, A.; Fish, N.  
(21) 2023903821 (22) 28.11.2023  
(54) Bucket Applicator

(71) Food Secure P/L  
(21) 2023903775 (22) 23.11.2023  
(54) Red QR Code for Labelling Food and  
Beverages Nutritional, Ingredients & Al-  
lergens Information.

(71) Forest Springs Company Pty Ltd  
(21) 2023903805 (22) 27.11.2023  
(54) SELF-DRILLING BOLT COUPLING  
WITH RESIN INJECTION SYSTEM

Fraser, T. see McPolin, J.  
(21) 2023903835

(71) Glencore Technology Pty Limited  
(21) 2023903803 (22) 27.11.2023  
(54) Pyrometallurgical recycling of end-of-  
life batteries

(71) GME Pty Ltd  
(21) 2023903801 (22) 27.11.2023  
(54) Mount for Antenna Radome

(71) Graphite Energy (Assets) Pty Limited  
(21) 2023903792 (22) 24.11.2023  
(54) Energy storage apparatus

(71) GRRP Pty Ltd  
(21) 2023903791 (22) 24.11.2023  
(54) Adjustable Ski Boot Tread

(71) GTE Group Pty Ltd  
(21) 2023903760 (22) 22.11.2023  
(54) ANTI COLLISION TEST SYSTEM

(71) Harvok Pty Ltd  
(21) 2023903789 (22) 24.11.2023  
(54) Clamping Arrangement

Hunter, L. see Biggar, D.  
(21) 2023903840

(71) Illinois Tool Works Inc.  
(21) 2023903779 (22) 23.11.2023  
(54) FASTENER

(71) Illinois Tool Works Inc.  
(21) 2023903780 (22) 23.11.2023  
(54) FASTENER GUIDE

(71) Illinois Tool Works Inc.  
(21) 2023903817 (22) 27.11.2023  
(54) Void former

(71) Incannex Healthcare Limited  
(21) 2023903778 (22) 23.11.2023  
(54) A composition and uses thereof

(71) InVetro  
(21) 2023903772 (22) 23.11.2023  
(54) Use of trazodone in animals to manage  
behavioural reactions and as a tool to  
assist with peri-operative procedures.

(71) Jayaram, N.  
(21) 2023903782 (22) 23.11.2023  
(54) Self Installing Floating Offshore Wind  
Turbine

(71) KITAY, D.  
(21) 2023903766 (22) 22.11.2023  
(54) Deployable cat tower arrangement

(71) Licella Holdings Limited  
(21) 2023903831 (22) 28.11.2023  
(54) Method of upgrading an oxygen con-  
taining bio-oil

(71) Lowery, C.  
(21) 2023903797 (22) 24.11.2023  
(54) Colourful Nursing Scrubs that have a  
positive psychological impact on medic-  
al staff and patients mental health.

(71) LU, W.  
(21) 2023903764 (22) 22.11.2023  
(54) A mechanical tool to safely and effi-  
ciently remove prosthetic parts held to-  
gether by a tapered interface

(71) McPolin, J.; Fraser, T.  
(21) 2023903835 (22) 28.11.2023  
(54) Core sample saw

(71) Mercotech Pty Ltd  
(21) 2023903758 (22) 22.11.2023  
(54) METHODS AND PRODUCTS FOR  
APPLYING BRANDING TO A MEAT  
PRODUCT

(71) Micro IP Pty Ltd  
(21) 2023903829 (22) 28.11.2023  
(54) Drilling deviation correction control sys-  
tem

(71) Miller, P.  
(21) 2023903819 (22) 27.11.2023  
(54) An internally concealed kerbside bin lid  
latch

(71) Modn Concepts Pty Ltd  
(21) 2023903809 (22) 27.11.2023  
(54) Surfboard Handle

(71) Modulate Containers Pty Ltd  
(21) 2023903763 (22) 22.11.2023  
(54) Portable building

(71) Monash University  
(21) 2023903759 (22) 22.11.2023  
(54) Aminopeptidase antibodies

(71) Monash University  
(21) 2023903796 (22) 24.11.2023  
(54) A Cementitious Composite and a Pre-  
paration Method Thereof

(71) Morgan, M.  
(21) 2023903535 (22) 03.11.2023  
(54) Support Apparatus

(71) Morpheus Therapeutics Pty Ltd  
(21) 2023903769 (22) 23.11.2023  
(54) Inhalable Formulation

Provisional Applications Filed - Name Index cont'd

(71) Murdoch University  
(21) 2023903774 (22) 23.11.2023  
(54) Method of Treating Motor Neuron Disease

(71) Muse, E.  
(21) 2023903820 (22) 28.11.2023  
(54) Integrated Retail Checkout with Peer-to-Peer Payment and Financing System

(71) NewSouth Innovations Pty Limited  
(21) 2023903767 (22) 23.11.2023  
(54) An apparatus for perovskite fabrication

(71) Offsite Engineering Solutions Pty Ltd  
(21) 2023903768 (22) 23.11.2023  
(54) Modular Building

(71) Osteo-X Pty Ltd  
(21) 2023903765 (22) 22.11.2023  
(54) INTRAMEDULLARY NAIL REMOVAL APPARATUS AND METHOD

(71) Pharmaxis Ltd.  
(21) 2023903784 (22) 24.11.2023  
(54) Dual inhibitors of amine oxidases and peroxidases, and uses thereof

(71) Phoenix Energy Services Pty Ltd  
(21) 2023903824 (22) 28.11.2023  
(54) A REINJECTION SYSTEM AND METHOD OF USE THEREOF

(71) Popovic, S.  
(21) 2023903813 (22) 27.11.2023  
(54) Adjustable Fins for scuba-diving and snorkelling

(71) Primero Group Limited  
(21) 2023903818 (22) 27.11.2023  
(54) Method for the Treatment of a Lithium Bearing Material

(71) Pulford, P.  
(21) 2023903825 (22) 28.11.2023  
(54) Square

(71) ROBOT RUN PTY LTD  
(21) 2023903787 (22) 24.11.2023  
(54) A permanent magnet motor capable of intelligently and automatically damping vibration, comprising a motor assembly

(71) Singular Health Pty Ltd  
(21) 2023903836 (22) 28.11.2023  
(54) Medical image file sharing system and methodology

(71) Slennett-Roberts, T.  
(21) 2023903800 (22) 25.11.2023  
(54) RGV: Reversed Grid charging electrical vehicle station. (RGV)

(71) Social Media Break Pty Ltd  
(21) 2023903771 (22) 23.11.2023  
(54) SYSTEM FOR MANAGING USAGE OF SOCIAL MEDIA

(71) TELEAUS BIOSCIENCE HEALTH PTY LTD  
(21) 2023903828 (22) 28.11.2023  
(54) Method for Studying and Treating Human Cardiovascular Diseases through Zebrafish Microbiome Manipulation and CRISPR-Mediated Mutagenesis

(71) The University of Melbourne  
(21) 2023903795 (22) 24.11.2023  
(54) Efficient lipid nanoparticle compositions and uses thereof

(71) The University of Melbourne  
(21) 2023903802 (22) 27.11.2023  
(54) A microneedle device for and a method of forming a microneedle device

(71) The University of Melbourne; Auckland UniServices Limited  
(21) 2023903812 (22) 27.11.2023  
(54) HEMOSTATIC GELLING SYSTEMS

(71) The University of Queensland  
(21) 2023903816 (22) 27.11.2023  
(54) Apparatus and associated cartridge, system and method for detecting the presence of a chemical

(71) The University of Sydney  
(21) 2023903757 (22) 22.11.2023  
(54) Use of 2-(3-fluoro-4-(trifluoromethyl)phenyl)-N-(2-(1-hydroxypropan-2-yl)-6-methyl-1-oxo-1,2-dihydroisoquinolin-5-yl)acetamide in the treatment of cardiovascular diseases

(71) The University of Sydney  
(21) 2023903776 (22) 23.11.2023  
(54) Lipid oil production method

(71) The University of Sydney  
(21) 2023903830 (22) 28.11.2023  
(54) Conductive films

(71) Trelleborg Perth Pty Ltd  
(21) 2023903822 (22) 28.11.2023  
(54) A fastener with an improved locking nut

(71) Trelleborg Perth Pty Ltd  
(21) 2023903823 (22) 28.11.2023  
(54) A fastener with split locking nut

(71) Tuff Tonneaus Wholesale Pty Ltd  
(21) 2023903790 (22) 24.11.2023  
(54) FOLDABLE TONNEAU COVER

(71) University of Technology Sydney  
(21) 2023903804 (22) 27.11.2023  
(54) Electrolysis device

(71) VAST Bioscience Pty Ltd  
(21) 2023903833 (22) 28.11.2023  
(54) Pyran compounds and their use in the treatment of pain

(71) VAST Bioscience Pty Ltd  
(21) 2023903834 (22) 28.11.2023  
(54) Pyran compounds and their use in the treatment of pain

(71) WEDGELOCK EQUIPMENT LIMITED  
(21) 2023903794 (22) 24.11.2023  
(54) A QUICK COUPLER SAFETY MECHANISM

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<b>2023903762</b>	Australian National University	<b>2023903828</b>	TELEAUS BIOSCIENCE HEALTH PTY LTD
<b>2023903763</b>	Modulate Containers Pty Ltd	<b>2023903829</b>	Micro IP Pty Ltd
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<b>2023903775</b>	Food Secure P/L		
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<b>2023903778</b>	Incannex Healthcare Limited		
<b>2023903779</b>	Illinois Tool Works Inc.		
<b>2023903780</b>	Illinois Tool Works Inc.		
<b>2023903781</b>	Barbulescu, D.; Energy Storage Rights; Barbulescu, T.; Barbulescu, V.		
<b>2023903782</b>	Jayaram, N.		
<b>2023903783</b>	Croft, T.		
<b>2023903784</b>	Pharmaxis Ltd.		
<b>2023903785</b>	Angela Lee Finn		
<b>2023903786</b>	Breville Pty Limited		
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<b>2023903788</b>	CLAUSS, J.		
<b>2023903789</b>	Harvok Pty Ltd		
<b>2023903790</b>	Tuff Tonneaus Wholesale Pty Ltd		
<b>2023903791</b>	GRRP Pty Ltd		
<b>2023903792</b>	Graphite Energy (Assets) Pty Limited		
<b>2023903793</b>	Aculeus Therapeutics Pty Ltd		
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<b>2023903795</b>	The University of Melbourne		
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<b>2023903797</b>	Lowery, C.		
<b>2023903798</b>	Cavendish Renewable Technology Pty Ltd		
<b>2023903799</b>	Chester Brown Industries Pty Ltd		
<b>2023903800</b>	Slennett-Roberts, T.		
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<b>2023903811</b>	Crimsafe Security Systems Pty Ltd		
<b>2023903812</b>	The University of Melbourne; Auckland UniServices Limited		
<b>2023903813</b>	Popovic, S.		
<b>2023903814</b>	4DMedical Limited		
<b>2023903815</b>	Cunningham, S.		
<b>2023903816</b>	The University of Queensland		
<b>2023903817</b>	Illinois Tool Works Inc.		
<b>2023903818</b>	Primero Group Limited		
<b>2023903819</b>	Miller, P.		
<b>2023903820</b>	Muse, E.		
<b>2023903821</b>	Fish, A.; Fish, N.		



**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 21 Nov 2023 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) Ab Initio Technology LLC (21) 2023270294 (22) 23.11.2023 (54) SYSTEMS AND METHODS FOR DATAFLOW GRAPH OPTIMIZATION</p> <hr/> <p>(71) Ab Initio Technology LLC (21) 2023270295 (22) 23.11.2023 (54) SYSTEMS AND METHODS FOR DATAFLOW GRAPH OPTIMIZATION</p> <hr/> <p>(71) Abiomed, Inc. (21) 2023274093 (22) 28.11.2023 (54) Dual lumen sheath for arterial access</p> <hr/> <p>(71) ABS Global, Inc. (21) 2023270339 (22) 24.11.2023 (54) Microfluidic system and method with focused energy apparatus</p> <hr/> <p>(71) ACODEX ENTERPRISE CO., LTD. (21) 2023274096 (22) 28.11.2023 (54) ELECTRIC OIL PUMP</p> <hr/> <p>(71) Actelion Pharmaceuticals Ltd (21) 2023274118 (22) 29.11.2023 (54) Pharmaceutical combination comprising ponesimod</p> <hr/> <p>(71) ACUSENSUS IP PTY LTD (21) 2023270232 (22) 21.11.2023 (54) INFRINGEMENT DETECTION METHOD, DEVICE AND SYSTEM</p> <hr/> <p>(71) Adepto Pharmaceuticals Limited (21) 2023274089 (22) 28.11.2023 (54) Dihydotetabenazine For Use In The Treatment of a Movement Disorder</p> <hr/> <p>(71) Adepto Pharmaceuticals Limited (21) 2023274090 (22) 28.11.2023 (54) (+)-Alpha-Dihydotetabenazine for use in the Treatment of a Movement Disorder</p> <hr/> <p>(71) Adobe Inc. (21) 2023270337 (22) 24.11.2023 (54) COLLABORATIVE EDITING OF VECTOR GRAPHICS</p> <hr/>	<p>(71) Adobe Inc. (21) 2023274073 (22) 27.11.2023 (54) GENERATING AND USING BEHAVIORAL POLICY GRAPHS THAT ASSIGN BEHAVIORS TO OBJECTS FOR DIGITAL IMAGE EDITING</p> <hr/> <p>(71) Adobe Inc. (21) 2023274075 (22) 27.11.2023 (54) GENERATING SEMANTIC SCENE GRAPHS UTILIZING TEMPLATE GRAPHS FOR DIGITAL IMAGE MODIFICATION</p> <hr/> <p>(71) Akouos, Inc. (21) 2023274083 (22) 28.11.2023 (54) Compositions and methods for treating non-age-associated hearing impairment in a human subject</p> <hr/> <p>(71) Algorand, Inc. (21) 2023270268 (22) 22.11.2023 (54) DECLARATIVE SMART CONTRACTS</p> <hr/> <p>(71) Amgen Inc. (21) 2023270272 (22) 22.11.2023 (54) Drug delivery system and method of use</p> <hr/> <p>(71) Apple Inc. (21) 2023270237 (22) 21.11.2023 (54) Enhanced wireless power transfer</p> <hr/> <p>(71) Apple Inc. (21) 2023270278 (22) 22.11.2023 (54) Methods and interfaces for initiating communications</p> <hr/> <p>(71) Arepa IP Limited (21) 2023274070 (22) 27.11.2023 (54) Compositions including pine bark extract, berryfruit extract and/or a source of L-theanine and uses thereof</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023270334 (22) 24.11.2023 (54) Method, device, and system for gaming</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023270348 (22) 24.11.2023</p>	<p>(54) Gaming apparatus and method including oversized symbols</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023274068 (22) 27.11.2023 (54) A GAMING MACHINE AND A METHOD OF OPERATING A GAMING MACHINE</p> <hr/> <p>(71) Asterias Biotherapeutics, Inc. (21) 2023270324 (22) 24.11.2023 (54) Oligodendrocyte progenitor cell compositions</p> <hr/> <p>(71) Australian Ramp Systems Pty Ltd (21) 2023273073 (22) 27.11.2023 (54) Hand Rail And Kick Plate Assembly</p> <hr/> <p>(71) Bayer HealthCare LLC (21) 2023270296 (22) 23.11.2023 (54) Syringe plunger with dynamic seal</p> <hr/> <p>(71) Beijing Baidu Netcom Science Technology Co., Ltd. (21) 2023270338 (22) 24.11.2023 (54) Superconducting qubit coupling structure and superconducting quantum chip</p> <hr/> <p>(71) Beijing Baidu Netcom Science Technology Co., Ltd. (21) 2023274080 (22) 28.11.2023 (54) QUANTUM CHIP STRUCTURE AND METHOD FOR GENERATING LAYOUT OF QUANTUM CHIP STRUCTURE</p> <hr/> <p>(71) Belron International Limited (21) 2023270316 (22) 23.11.2023 (54) CURING REPAIR RESIN</p> <hr/> <p>(71) Belron International Limited (21) 2023270317 (22) 23.11.2023 (54) CURING REPAIR RESIN</p> <hr/> <p>(71) Benson Hill, Inc. (21) 2023270322 (22) 24.11.2023 (54) Compositions and methods for modifying genomes</p> <hr/>
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(71) Berg LLC  
(21) 2023270234 (22) 21.11.2023  
(54) Preventing or mitigating chemotherapy induced alopecia using vitamin D

(71) Betta Marine Products Pty Ltd  
(21) 2023270271 (22) 22.11.2023  
(54) OUTBOARD MOTOR LIFT PLATE

(71) Boos, J.  
(21) 2023274108 (22) 28.11.2023  
(54) CONTAINER FOR MIXING LIQUIDS

(71) Bristol-Myers Squibb Company  
(21) 2023270286 (22) 23.11.2023  
(54) INTERLEUKIN-2/INTERLEUKIN-2 RECEPTOR ALPHA FUSION PROTEINS AND METHODS OF USE

(71) Brius Technologies, Inc.  
(21) 2023270328 (22) 24.11.2023  
(54) TEETH REPOSITIONING SYSTEMS AND METHODS

(71) Buist, C.  
(21) 2023270331 (22) 24.11.2023  
(54) TILTING DOOR ASSEMBLY

(71) Canon Kabushiki Kaisha  
(21) 2023270325 (22) 24.11.2023  
(54) Developer supply container and developer supplying system

(71) Canva Pty Ltd  
(21) 2023270351 (22) 24.11.2023  
(54) Systems and methods for automatically animating design elements

(71) Capewest Investments Pty Ltd  
(21) 2023270352 (22) 24.11.2023  
(54) Apparatus for use in forestry or revegetation applications

(71) Capital One Services, LLC  
(21) 2023270299 (22) 23.11.2023  
(54) Tap to autofill card data

(71) CaseMed Engineering, LLC  
(21) 2023274086 (22) 28.11.2023  
(54) Hand-held Applicator

(71) Caterpillar Inc.  
(21) 2023274062 (22) 27.11.2023  
(54) System for analyzing machine data

**Commonwealth Scientific and Industrial Research Organisation see Cotton Seed Distributors Ltd**  
(21) 2023270233

(71) Contactile Pty Ltd  
(21) 2023274094 (22) 28.11.2023  
(54) FRICTION-BASED TACTILE SENSOR FOR MEASURING GRIP SECURITY

**Contraline, Inc. see Eisenfrats, K.**  
(21) 2023270305

(71) COSTA DEL MAR, INC.  
(21) 2023274119 (22) 29.11.2023  
(54) Removable venting shield for eyewear

(71) Cotton Seed Distributors Ltd; Commonwealth Scientific and Industrial Research Organisation  
(21) 2023270233 (22) 21.11.2023  
(54) Cotton Variety Sicot 754B3F

(71) Covation Inc.  
(21) 2023274099 (22) 28.11.2023  
(54) PROCESS FOR PREPARING POLY(TRIMETHYLENE FURANDI-CARBOXYLATE) USING ZINC CATALYST

(71) Creative Surgical Solutions, LLC  
(21) 2023270358 (22) 27.11.2023  
(54) TAMPERPROOF SURGICAL BACK TABLE DRAPE

(71) Daewoong Therapeutics Inc.  
(21) 2023270354 (22) 24.11.2023  
(54) Bowel-cleansing composition

(71) Darley Aluminium Trading Pty Ltd  
(21) 2023274069 (22) 27.11.2023  
(54) Sill Roller Assembly

(71) Deflecto, LLC  
(21) 2023270298 (22) 23.11.2023  
(54) Customizable caddy for tilt bins

(71) Dexcom, Inc.  
(21) 2023270293 (22) 23.11.2023  
(54) Membrane layers for analyte sensors

**DH Technologies Development Pte. Ltd. see Labcyte, Inc.**  
(21) 2023270229

(71) Dolby International AB  
(21) 2023274125 (22) 29.11.2023  
(54) Audio Upmixer Operable in Prediction or Non-Prediction Mode

(71) DOM 3E REALIZACJE Sp. z o.o.  
(21) 2023274106 (22) 28.11.2023

(54) Vertical Building Partition Assembled From Modular Building Elements

(71) Dose Medical Corporation  
(21) 2023270343 (22) 24.11.2023  
(54) Implants with controlled drug delivery features and methods of using same

(71) Eden Research PLC  
(21) 2023270353 (22) 24.11.2023  
(54) Encapsulation Of High Potency Active Agents

(71) Eisenfrats, K.; Moran, E.; Grover, G.; Contraline, Inc.  
(21) 2023270305 (22) 23.11.2023  
(54) Methods For Implanting And Reversing Stimuli-Responsive Implants

(71) Emory University  
(21) 2023270335 (22) 24.11.2023  
(54) N4-hydroxycytidine and derivatives and anti-viral uses related thereto

(71) ESS Tech, Inc.  
(21) 2023270277 (22) 22.11.2023  
(54) Methods and systems for redox flow battery electrolyte hydration

**Eureka Therapeutics, Inc. see Memorial Sloan-Kettering Cancer Center**  
(21) 2023270242

(71) Exact Sciences Corporation  
(21) 2023270309 (22) 23.11.2023  
(54) Methylated control DNA

(71) Fenwal, Inc.  
(21) 2023270336 (22) 24.11.2023  
(54) Systems and methods for optimization of plasma collection volumes

(71) Fisher & Paykel Healthcare Limited  
(21) 2023271553 (22) 27.11.2023  
(54) METHOD AND SYSTEM FOR PATIENT MANAGEMENT USING RULES ENGINE

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2023270217 (22) 21.11.2023  
(54) An elbow assembly of a patient interface, an anti-asphyxia valve for an elbow assembly and a connector

(71) Fleet Space Technologies Pty Ltd  
(21) 2023270290 (22) 23.11.2023  
(54) Satellite-enabled node for ambient noise tomography

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(71) FLSmith A/S  
(21) 2023274122 (22) 29.11.2023  
(54) Roller mill and method for operating a roller mill

(71) Fresenius Medical Care Holdings, Inc.  
(21) 2023274102 (22) 28.11.2023  
(54) Systems and methods for treating and estimating progression of chronic kidney disease

(71) GEA Process Engineering A/S  
(21) 2023274116 (22) 29.11.2023  
(54) Method and system for drying salts, in particular hydrated salt

(71) GEORGE, V.; RAMIREZ, P.  
(21) 2023274087 (22) 28.11.2023  
(54) Systems and methods for automated arrangement of robotic elements

(71) Getac Technology Corporation  
(21) 2023270306 (22) 23.11.2023  
(54) Scalable in-vehicle video system and signal control apparatus

(71) Getac Technology Corporation  
(21) 2023274111 (22) 28.11.2023  
(54) BARCODE IMAGE RECOGNITION METHOD AND DEVICE USING THE SAME

(71) Getac Technology Corporation  
(21) 2023274121 (22) 29.11.2023  
(54) ELECTRONIC DEVICE

(71) Gilead Sciences, Inc.  
(21) 2023270323 (22) 24.11.2023  
(54) Antiviral compounds

(71) Gilead Sciences, Inc.  
(21) 2023270332 (22) 24.11.2023  
(54) MCL-1 inhibitors

(71) Gilead Sciences, Inc.  
(21) 2023271739 (22) 27.11.2023  
(54) Therapeutic compounds useful for the prophylactic or therapeutic treatment of an HIV virus infection

(71) Glenmark Specialty S.A.  
(21) 2023270308 (22) 23.11.2023  
(54) Dispensing device and pharmaceutical composition for the treatment of rhinitis

(71) Graphic Packaging International, LLC  
(21) 2023270303 (22) 23.11.2023  
(54) CARTON WITH DISPENSER

Grover, G. see Eisenfrats, K.  
(21) 2023270305

(71) Huaxiang (Shenzhen) High-Tech Service Co., Ltd.  
(21) 2023270319 (22) 23.11.2023  
(54) STRONG MAGNETIC POWER GENERATION ON-BOARD POWER DEVICE TECHNICAL FIELD

(71) Hub Therapeutics  
(21) 2023274063 (22) 27.11.2023  
(54) Deuterated or a non-deuterated molecule and pharmaceutical formulations

(71) Icahn School of Medicine at Mount Sinai  
(21) 2023270313 (22) 23.11.2023  
(54) Cell-specific expression of modRNA

(71) IGT  
(21) 2023270284 (22) 23.11.2023  
(54) FUNDING GAMING ESTABLISHMENT ACCOUNT WITH EXTERNAL ACCOUNT PAYMENT INSTRUMENT

(71) IGT  
(21) 2023270285 (22) 23.11.2023  
(54) ORCHESTRATING ACCOUNT SECURITY MEASURES BETWEEN GAMING ESTABLISHMENT ACCOUNT AND ASSOCIATED PAYMENT INSTRUMENT

(71) IGT  
(21) 2023270344 (22) 24.11.2023  
(54) GAMING SYSTEM AND METHOD FOR AUTOMATICALLY TRANSFERRING FUNDS TO A MOBILE DEVICE

(71) Illumina, Inc.  
(21) 2023270327 (22) 24.11.2023  
(54) Semi-supervised learning for training an ensemble of deep convolutional neural networks

(71) IP Reserve Pty Ltd  
(21) 2023270356 (22) 24.11.2023  
(54) VEHICULAR LADDER

(71) James L. Orrington, II D.D.S., P.C.  
(21) 2023270281 (22) 22.11.2023  
(54) PROTECTIVE APPARATUSES FOR MINIMIZING RISK OF TRANSMISSION OF INFECTION AND ASSOCIATED SYSTEMS

(71) Janssen Pharmaceutica NV  
(21) 2023274117 (22) 29.11.2023

(54) Glucagon like peptide 1 (GLP-1) fusion peptide coupled cyclic peptide tyrosine tyrosine conjugates and uses thereof

Johns, P. see Rose Acre Farms, Inc.  
(21) 2023270270

(71) Joy Global Surface Mining Inc  
(21) 2023270292 (22) 23.11.2023  
(54) System and method for semi-autonomous control of an industrial machine

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI  
(21) 2023274053 (22) 27.11.2023  
(54) Object detection device

(71) Karsten Manufacturing Corporation  
(21) 2023270261 (22) 22.11.2023  
(54) Systems and methods for measurement of 3D attributes using computer vision

Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha  
(21) 2023270288

(71) Krugel, D.  
(21) 2023270273 (22) 22.11.2023  
(54) A METHOD AND DEVICE FOR DETECTING A MATERIAL

(71) KUEVER DESIGNS PTY. LTD.  
(21) 2023274088 (22) 28.11.2023  
(54) Absorbent Insert Pad Free of Plastic

(71) Labcyte, Inc.; DH Technologies Development Pte. Ltd.  
(21) 2023270229 (22) 21.11.2023  
(54) System and method for the acoustic loading of an analytical instrument using a continuous flow sampling probe

(71) Leica Biosystems Melbourne Pty Ltd  
(21) 2023270360 (22) 27.11.2023  
(54) IMPROVEMENTS IN HISTOLOGICAL TISSUE SPECIMEN PROCESSING

(71) LG Electronics Inc.  
(21) 2023270289 (22) 23.11.2023  
(54) Dishwasher

(71) LOAM BIO PTY LTD  
(21) 2023270329 (22) 24.11.2023  
(54) METHODS FOR CARBON CAPTURE AND INCREASING YIELD OF PLANTS

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(71) Longhorn Vaccines and Diagnostics, LLC  
 (21) 2023274091 (22) 28.11.2023  
 (54) MULTIPURPOSE COMPOSITIONS FOR COLLECTING AND TRANSPORTING BIOLOGICAL MATERIAL

(71) LU, Y.Q.  
 (21) 2023270350 (22) 24.11.2023  
 (54) A DEVICE FOR FACILITATING REMOVING A PROTECTION SHEATH OF AN ELECTRICAL CABLE

(71) Magic Leap, Inc.  
 (21) 2023274092 (22) 28.11.2023  
 (54) Configuring optical layers in imprint lithography processes

(71) MAKO Surgical Corp.  
 (21) 2023274081 (22) 28.11.2023  
 (54) System and method for manipulating an anatomy

(71) Marchesan Implementos e Máquinas Agrícolas Tatu S.A.  
 (21) 2023274120 (22) 29.11.2023  
 (54) Agricultural tilting bearing assembly and improved support bracket for connecting the same to agricultural equipment

(71) Marker Safety Systems Pty Ltd  
 (21) 2023274110 (22) 28.11.2023  
 (54) A POST

**Massachusetts Institute of Technology see The Broad Institute, Inc.**  
 (21) 2023270311

(71) Matthews, P.  
 (21) 2023274077 (22) 27.11.2023  
 (54) A Marine Safety Ladder

(71) McElroy Manufacturing, Inc.  
 (21) 2023270301 (22) 23.11.2023  
 (54) Pipe fusion machine

(71) Memorial Sloan-Kettering Cancer Center; Eureka Therapeutics, Inc.  
 (21) 2023270242 (22) 21.11.2023  
 (54) Antibodies targeting G-protein coupled receptor and methods of use

**Merck Sharp & Dohme B.V. see TESARO, INC.**  
 (21) 2023274126

(71) MICRO CURRENT TECHNOLOGY, INC.  
 (21) 2023274071 (22) 27.11.2023

(54) SYSTEMS INCLUDING HANDHELD DEVICES TO DELIVER MICROCURRENTS AND/OR KINESIOLOGICAL SCULPTING, USEFUL IN SKIN CARE

(71) Moore, C.  
 (21) 2023270291 (22) 23.11.2023  
 (54) Contra Rotating Vertical Axis Wind Turbine Array

(71) Moore, C.  
 (21) 2023270571 (22) 27.11.2023  
 (54) Multi Mission VTOL Craft

**Moran, E. see Eisenfrats, K.**  
 (21) 2023270305

(71) Nexans  
 (21) 2023274123 (22) 29.11.2023  
 (54) POLYVINYL CHLORIDE HAVING LOW RELEASE OF SMOKE

(71) Ng, F.  
 (21) 2023270318 (22) 23.11.2023  
 (54) AN EYEDROP CONTAINER ADAPTER

(71) NI KOMPANY PTY LTD  
 (21) 2023270357 (22) 26.11.2023  
 (54) UNITY COIN

(71) Ningbo Yinzhou Mairuo IMP.& EXP. Co., Ltd.  
 (21) 2023274112 (22) 29.11.2023  
 (54) Rotating mechanism and binding belt tensioner

(71) Ningbo Yinzhou Mairuo IMP.& EXP. Co., Ltd.  
 (21) 2023274113 (22) 29.11.2023  
 (54) Press buckle

(71) Nordco Inc.  
 (21) 2023274079 (22) 28.11.2023  
 (54) ROUTE MAINTENANCE SYSTEM AND METHOD

(71) Novartis AG  
 (21) 2023274065 (22) 27.11.2023  
 (54) Eltrombopag dosing regimen

(71) Nunhems B.V.  
 (21) 2023274100 (22) 28.11.2023  
 (54) Lettuce variety NUN 08237 LTL

(71) Nunhems B.V.  
 (21) 2023274103 (22) 28.11.2023  
 (54) Lettuce variety NUN 08260 LTL

(71) Nunhems B.V.  
 (21) 2023274105 (22) 28.11.2023  
 (54) Lettuce variety NUN 08261 LTL

(71) Omni Consumer Products, LLC  
 (21) 2023274066 (22) 27.11.2023  
 (54) System, method and apparatus for a monitoring drone

(71) Oxford Biomedica (UK) Limited  
 (21) 2023274115 (22) 29.11.2023  
 (54) Method

(71) Paloma Co., Ltd.  
 (21) 2023270320 (22) 24.11.2023  
 (54) Gas distribution unit and water heater

(71) Paloma Co., Ltd.  
 (21) 2023270321 (22) 24.11.2023  
 (54) Combustion device and water heater

(71) PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.  
 (21) 2023270312 (22) 23.11.2023  
 (54) Hot water storing-type hot water supplying system

(71) Pharmosa Biopharm Inc.  
 (21) 2023270346 (22) 24.11.2023  
 (54) Pharmaceutical composition of a weak acid drug and methods of administration

(71) Planet Protector Packaging Pty Ltd  
 (21) 2023270238 (22) 21.11.2023  
 (54) Insulating bottle sleeve

(71) Pot Pirate Pty Ltd  
 (21) 2023274101 (22) 28.11.2023  
 (54) SECURITY SYSTEM FOR SUBMERSIBLE FISH TRAPS

(71) PROGRESS RAIL SERVICES CORPORATION  
 (21) 2023270307 (22) 23.11.2023  
 (54) HYBRID CONSIST TRACTIVE EFFORT MANAGEMENT

(71) Purple Innovation, LLC  
 (21) 2023274059 (22) 27.11.2023  
 (54) Pillow including gelatinous elastomer cushion having deformable wall members and related methods

(71) Qualcomm Incorporated  
 (21) 2023274072 (22) 27.11.2023  
 (54) SCHEDULING FOR POSITIONING REFERENCE SIGNAL (PRS) IN NARROWBAND-INTERNET OF THINGS (NB-IOT)

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(71) Qualcomm Incorporated  
 (21) 2023274074 (22) 27.11.2023  
 (54) SCHEDULING FOR POSITIONING REFERENCE SIGNAL (PRS) IN NARROWBAND-INTERNET OF THINGS (NB-IOT)

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RAMIREZ, P. see GEORGE, V.  
 (21) 2023274087

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(71) Redfoot Pty Ltd  
 (21) 2023274098 (22) 28.11.2023  
 (54) Stillage

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(71) Regeneron Pharmaceuticals, Inc.  
 (21) 2023270342 (22) 24.11.2023  
 (54) COMPOSITIONS AND METHODS FOR REDUCING BIOBURDEN IN CHROMATOGRAPHY

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(71) Remedy Pharmaceuticals, Inc.  
 (21) 2023274085 (22) 28.11.2023  
 (54) Methods of medical treatment with SUR1-TRPM4 channel inhibitors

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(71) Remsafe Pty Ltd  
 (21) 2023274055 (22) 27.11.2023  
 (54) An equipment isolation switch assembly

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(71) Research Triangle Institute  
 (21) 2023270297 (22) 23.11.2023  
 (54) Regenerable solvent mixtures for acid-gas separation

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(71) Respirion Pharmaceuticals Pty Ltd  
 (21) 2023270302 (22) 23.11.2023  
 (54) Method for Reducing Lung Inflammation

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(71) Rose Acre Farms, Inc.; Johns, P.  
 (21) 2023270270 (22) 22.11.2023  
 (54) Egg food product and method of making an egg food product

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(71) Ross, G.  
 (21) 2023270282 (22) 22.11.2023  
 (54) An Eco Barrier System

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(71) SABIC Global Technologies B.V.  
 (21) 2023274084 (22) 28.11.2023  
 (54) ENHANCED EFFICIENCY FERTILIZER WITH UREASE INHIBITOR AND NITRIFICATION INHIBITOR IN SEPARATE PARTICLES

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(71) Salty Cheeks Pty Ltd  
 (21) 2023270355 (22) 24.11.2023  
 (54) A GARMENT

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(71) Samsung Electronics Co., Ltd.  
 (21) 2023270341 (22) 24.11.2023  
 (54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS

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(71) SAMSUNG ELECTRONICS CO., LTD.  
 (21) 2023270330 (22) 24.11.2023  
 (54) Antenna module and electronic device for using the antenna module

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(71) Sargento Foods Inc.  
 (21) 2023270283 (22) 23.11.2023  
 (54) NATURAL CHEESE AND METHOD FOR MAKING NATURAL CHEESE WITH SPECIFIC TEXTURE ATTRIBUTES

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(71) ServiceNow, Inc.  
 (21) 2023274056 (22) 27.11.2023  
 (54) CENTRALIZED CONFIGURATION AND CHANGE TRACKING FOR A COMPUTING PLATFORM

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(71) ServiceNow, Inc.  
 (21) 2023274061 (22) 27.11.2023  
 (54) COMPUTATIONALLY EFFICIENT TRAVERSAL OF VIRTUAL TABLES

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(71) ServiceNow, Inc.  
 (21) 2023274109 (22) 28.11.2023  
 (54) UNIFIED FRAMEWORK FOR CONFIGURATION AND DEPLOYMENT OF PLATFORM INTELLIGENCE

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(71) Shangrao Xinyuan YueDong Technology Development Co. Ltd  
 (21) 2023274104 (22) 28.11.2023  
 (54) SOLAR BATTERY, AND SOLAR BATTERY PANEL AND METHOD FOR MANUFACTURING SAME

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(71) Silixa Ltd.  
 (21) 2023270300 (22) 23.11.2023  
 (54) Method and apparatus for optical sensing

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(71) Spokade Holdings Pty Ltd  
 (21) 2023270241 (22) 21.11.2023  
 (54) Methods and systems for monitoring bacterial ecosystems and providing decision support for antibiotic use

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(71) Stryker Corporation  
 (21) 2023274057 (22) 27.11.2023  
 (54) System and method for wirelessly charging a medical device battery

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(71) Sungrow Energy Storage Technology Co., Ltd.  
 (21) 2023270276 (22) 22.11.2023  
 (54) Charging-discharging system and method for diagnosing faulty wiring for the same

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(71) Sungrow Hydrogen Sci. & Tech. Co., Ltd  
 (21) 2023270269 (22) 22.11.2023  
 (54) Ammonia synthesis system based on fluctuating hydrogen source and control method thereof

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(71) Sungrow Power Supply Co., Ltd.  
 (21) 2023270326 (22) 24.11.2023  
 (54) Method for connecting battery rack in parallel, battery management system, device and storage medium

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(71) Sunray Scientific, LLC  
 (21) 2023274124 (22) 29.11.2023  
 (54) SYSTEM AND METHOD FOR IMPROVED ELECTRONIC COMPONENT INTERCONNECTIONS

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(71) Syngenta Participations AG  
 (21) 2023274054 (22) 27.11.2023  
 (54) METHOD OF CONTROLLING WEEDS IN WARM SEASON TURFGRASS

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(71) Technological Resources Pty. Limited  
 (21) 2023270333 (22) 24.11.2023  
 (54) AUTOMATED DRAFT SURVEY

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(71) Techronic Cordless GP  
 (21) 2023270280 (22) 22.11.2023  
 (54) Movable vehicle

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(71) Techronic Cordless GP  
 (21) 2023270287 (22) 23.11.2023  
 (54) Battery pack and method of operating the same

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(71) TESARO, INC.; Merck Sharp & Dohme B.V.  
 (21) 2023274126 (22) 29.11.2023  
 (54) Combination therapies for treating cancer

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(71) The Banktech Group Pty Ltd  
 (21) 2023270314 (22) 23.11.2023  
 (54) CASH TRANSACTION SYSTEM AND METHOD

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(71) The Board of Trustees of the Leland Stanford Junior University  
 (21) 2023270345 (22) 24.11.2023  
 (54) Compositions and methods for nucleic acid expression and protein secretion in bacterioides

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- (71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (21) 2023270311 (22) 23.11.2023  
 (54) Novel CAS13B orthologues CRISPR enzymes and systems
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- (71) The George Institute for Global Health  
 (21) 2023274064 (22) 27.11.2023  
 (54) Compositions for the treatment of hypertension
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- (71) The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.  
 (21) 2023270310 (22) 23.11.2023  
 (54) Compounds for inhibiting Ly6K and methods of using same
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- (71) The Procter & Gamble Company  
 (21) 2023274114 (22) 29.11.2023  
 (54) ORAL CARE COMPOSITIONS COMPRISING TIN IONS
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- (71) The Regents of the University of California  
 (21) 2023274097 (22) 28.11.2023  
 (54) Conditionally active heterodimeric polypeptides and methods of use thereof
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- (71) Tisento Therapeutics Inc.  
 (21) 2023270267 (22) 22.11.2023  
 (54) Treatment of CNS diseases with sGC stimulators
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- (71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.  
 (21) 2023270288 (22) 23.11.2023  
 (54) Operation management system
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- (71) Transportation IP Holdings, LLC  
 (21) 2023274078 (22) 28.11.2023  
 (54) FUEL SUPPLY SYSTEM
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- (71) v2food Pty Ltd  
 (21) 2023270347 (22) 24.11.2023  
 (54) Food colouring agents
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- (71) Vecta Pty Ltd  
 (21) 2023270304 (22) 23.11.2023  
 (54) Antenna mounting assembly
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- (71) Vertron IP Pty Ltd  
 (21) 2023270349 (22) 24.11.2023  
 (54) Improved arrangements for rotational apparatus
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- (71) W. L. Gore & Associates, Inc.  
 (21) 2023274095 (22) 28.11.2023
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- (54) Continuous tethered tissue anchor and associated systems and methods
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- (71) WANG, S.  
 (21) 2023274058 (22) 27.11.2023  
 (54) IMPROVED CHAIN LOAD BINDER
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- (71) WANG, S.  
 (21) 2023274060 (22) 27.11.2023  
 (54) A CHAIN CONNECTING LINK
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- (71) Xencor, Inc.  
 (21) 2023270275 (22) 22.11.2023  
 (54) A method for purifying antibodies
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- (71) YESSBIO CO., LTD.  
 (21) 2023270359 (22) 27.11.2023  
 (54) Organic waste-degrading microorganism and method of processing organic waste using same
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- (71) ZTE Corporation  
 (21) 2023270244 (22) 21.11.2023  
 (54) Method and apparatus for transmitting information

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<b>2023270232</b>	ACUSENSUS IP PTY LTD	<b>2023270324</b>	Asterias Biotherapeutics, Inc.
<b>2023270233</b>	Cotton Seed Distributors Ltd; Commonwealth Scientific and Industrial Research Organisation	<b>2023270325</b>	Canon Kabushiki Kaisha
<b>2023270234</b>	Berg LLC	<b>2023270326</b>	Sungrow Power Supply Co., Ltd.
<b>2023270237</b>	Apple Inc.	<b>2023270327</b>	Illumina, Inc.
<b>2023270238</b>	Planet Protector Packaging Pty Ltd	<b>2023270328</b>	Brius Technologies, Inc.
<b>2023270241</b>	Spokade Holdings Pty Ltd	<b>2023270329</b>	LOAM BIO PTY LTD
<b>2023270242</b>	Memorial Sloan-Kettering Cancer Center; Eureka Therapeutics, Inc.	<b>2023270330</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>2023270244</b>	ZTE Corporation	<b>2023270331</b>	Buist, C.
<b>2023270261</b>	Karsten Manufacturing Corporation	<b>2023270332</b>	Gilead Sciences, Inc.
<b>2023270267</b>	Tisento Therapeutics Inc.	<b>2023270333</b>	Technological Resources Pty. Limited
<b>2023270268</b>	Algorand, Inc.	<b>2023270334</b>	Aristocrat Technologies Australia Pty Limited
<b>2023270269</b>	Sungrow Hydrogen Sci. & Tech. Co., Ltd	<b>2023270335</b>	Emory University
<b>2023270270</b>	Rose Acre Farms, Inc.; Johns, P.	<b>2023270336</b>	Fenwal, Inc.
<b>2023270271</b>	Betta Marine Products Pty Ltd	<b>2023270337</b>	Adobe Inc.
<b>2023270272</b>	Amgen Inc.	<b>2023270338</b>	Beijing Baidu Netcom Science Technology Co., Ltd.
<b>2023270273</b>	Krugel, D.	<b>2023270339</b>	ABS Global, Inc.
<b>2023270275</b>	Xencor, Inc.	<b>2023270341</b>	Samsung Electronics Co., Ltd.
<b>2023270276</b>	Sungrow Energy Storage Technology Co., Ltd.	<b>2023270342</b>	Regeneron Pharmaceuticals, Inc.
<b>2023270277</b>	ESS Tech, Inc.	<b>2023270343</b>	Dose Medical Corporation
<b>2023270278</b>	Apple Inc.	<b>2023270344</b>	IGT
<b>2023270280</b>	Techtronic Cordless GP	<b>2023270345</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2023270281</b>	James L. Orrington, II D.D.S., P.C.	<b>2023270346</b>	Pharmosa Biopharm Inc.
<b>2023270282</b>	Ross, G.	<b>2023270347</b>	v2food Pty Ltd
<b>2023270283</b>	Sargento Foods Inc.	<b>2023270348</b>	Aristocrat Technologies Australia Pty Limited
<b>2023270284</b>	IGT	<b>2023270349</b>	Vertron IP Pty Ltd
<b>2023270285</b>	IGT	<b>2023270350</b>	LU, Y.Q.
<b>2023270286</b>	Bristol-Myers Squibb Company	<b>2023270351</b>	Canva Pty Ltd
<b>2023270287</b>	Techtronic Cordless GP	<b>2023270352</b>	Capewest Investments Pty Ltd
<b>2023270288</b>	Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.	<b>2023270353</b>	Eden Research PLC
<b>2023270289</b>	LG Electronics Inc.	<b>2023270354</b>	Daewoong Therapeutics Inc.
<b>2023270290</b>	Fleet Space Technologies Pty Ltd	<b>2023270355</b>	Salty Cheeks Pty Ltd
<b>2023270291</b>	Moore, C.	<b>2023270356</b>	IP Reserve Pty Ltd
<b>2023270292</b>	Joy Global Surface Mining Inc	<b>2023270357</b>	NI KOMPANY PTY LTD
<b>2023270293</b>	Dexcom, Inc.	<b>2023270358</b>	Creative Surgical Solutions, LLC
<b>2023270294</b>	Ab Initio Technology LLC	<b>2023270359</b>	YESSBIO CO., LTD.
<b>2023270295</b>	Ab Initio Technology LLC	<b>2023270360</b>	Leica Biosystems Melbourne Pty Ltd
<b>2023270296</b>	Bayer HealthCare LLC	<b>2023270571</b>	Moore, C.
<b>2023270297</b>	Research Triangle Institute	<b>2023271553</b>	Fisher & Paykel Healthcare Limited
<b>2023270298</b>	Deflecto, LLC	<b>2023271739</b>	Gilead Sciences, Inc.
<b>2023270299</b>	Capital One Services, LLC	<b>2023273073</b>	Australian Ramp Systems Pty Ltd
<b>2023270300</b>	Silixa Ltd.	<b>2023274053</b>	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
<b>2023270301</b>	McElroy Manufacturing, Inc.	<b>2023274054</b>	Syngenta Participations AG
<b>2023270302</b>	Respirion Pharmaceuticals Pty Ltd	<b>2023274055</b>	Remsafe Pty Ltd
<b>2023270303</b>	Graphic Packaging International, LLC	<b>2023274056</b>	ServiceNow, Inc.
<b>2023270304</b>	Vecta Pty Ltd	<b>2023274057</b>	Stryker Corporation
<b>2023270305</b>	Eisenfrats, K.; Moran, E.; Grover, G.; Contraline, Inc.	<b>2023274058</b>	WANG, S.
<b>2023270306</b>	Getac Technology Corporation	<b>2023274059</b>	Purple Innovation, LLC
<b>2023270307</b>	PROGRESS RAIL SERVICES CORPORATION	<b>2023274060</b>	WANG, S.
<b>2023270308</b>	Glenmark Specialty S.A.	<b>2023274061</b>	ServiceNow, Inc.
<b>2023270309</b>	Exact Sciences Corporation	<b>2023274062</b>	Caterpillar Inc.
<b>2023270310</b>	The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.	<b>2023274063</b>	Hub Therapeutics
<b>2023270311</b>	The Broad Institute, Inc.; Massachusetts Institute of Technology	<b>2023274064</b>	The George Institute for Global Health
<b>2023270312</b>	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	<b>2023274065</b>	Novartis AG
<b>2023270313</b>	Icahn School of Medicine at Mount Sinai	<b>2023274066</b>	Omni Consumer Products, LLC
<b>2023270314</b>	The Banktech Group Pty Ltd	<b>2023274068</b>	Aristocrat Technologies Australia Pty Limited
<b>2023270316</b>	Belron International Limited	<b>2023274069</b>	Darley Aluminium Trading Pty Ltd
<b>2023270317</b>	Belron International Limited	<b>2023274070</b>	Arepa IP Limited
<b>2023270318</b>	Ng, F.	<b>2023274071</b>	MICRO CURRENT TECHNOLOGY, INC.
<b>2023270319</b>	Huaxiang (Shenzhen) High-Tech Service Co., Ltd.	<b>2023274072</b>	Qualcomm Incorporated
<b>2023270320</b>	Paloma Co., Ltd.	<b>2023274073</b>	Adobe Inc.
<b>2023270321</b>	Paloma Co., Ltd.	<b>2023274074</b>	Qualcomm Incorporated
		<b>2023274075</b>	Adobe Inc.
		<b>2023274077</b>	Matthews, P.
		<b>2023274078</b>	Transportation IP Holdings, LLC
		<b>2023274079</b>	Nordco Inc.

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2023274080 Beijing Baidu Netcom Science Technology Co., Ltd.  
2023274081 MAKO Surgical Corp.  
2023274083 Akouos, Inc.  
2023274084 SABIC Global Technologies B.V.  
2023274085 Remedy Pharmaceuticals, Inc.  
2023274086 CaseMed Engineering, LLC  
2023274087 GEORGE, V.; RAMIREZ, P.  
2023274088 KUVVER DESIGNS PTY. LTD.  
2023274089 Adeptio Pharmaceuticals Limited  
2023274090 Adeptio Pharmaceuticals Limited  
2023274091 Longhorn Vaccines and Diagnostics, LLC  
2023274092 Magic Leap, Inc.  
2023274093 Abiomed, Inc.  
2023274094 Contactile Pty Ltd  
2023274095 W. L. Gore & Associates, Inc.  
2023274096 ACODEX ENTERPRISE CO., LTD.  
2023274097 The Regents of the University of California  
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2023274116 GEA Process Engineering A/S  
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2023274118 Actelion Pharmaceuticals Ltd  
2023274119 COSTA DEL MAR, INC.  
2023274120 Marchesan Implementos e Máquinas Agrícolas Tatu S.A.  
2023274121 Getac Technology Corporation  
2023274122 FLSmidth A/S  
2023274123 Nexans  
2023274124 Sunray Scientific, LLC  
2023274125 Dolby International AB  
2023274126 TESARO, INC.; Merck Sharp & Dohme B.V.



**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:

<b>Code</b>	<b>Meaning</b>
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

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2003262314 ( 14 )	2003262342 ( 14 )	2003262350 ( 14 )
2003262428 ( 14 )	2003277464 ( 14 )	2003279399 ( 14 )
2003279590 ( 14 )	2003280227 ( 14 )	2003280856 ( 14 )
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2003283890 ( 14 )	2003284808 ( 14 )	2003285230 ( 14 )
2003286017 ( 14 )	2003286260 ( 14 )	2003288081 ( 14 )
2003289710 ( 14 )	2003291082 ( 14 )	2003291108 ( 14 )
2003292044 ( 14 )	2003293138 ( 14 )	2003294169 ( 14 )
2003294262 ( 14 )	2003294321 ( 14 )	2003294407 ( 14 )
2003294714 ( 14 )	2003295471 ( 14 )	2003295576 ( 14 )
2003295586 ( 14 )	2003295597 ( 14 )	2003295720 ( 14 )
2003295728 ( 14 )	2003295735 ( 14 )	2003297288 ( 14 )
2003298661 ( 14 )	2003298692 ( 14 )	2003302067 ( 14 )
2003302110 ( 14 )	2003303795 ( 14 )	2003303942 ( 14 )

**2004**

2004201975 ( 14 )	2004235839 ( 14 )	2004236588 ( 14 )
2004238170 ( 14 )	2004238338 ( 14 )	2004241243 ( 14 )
2004242600 ( 14 )	2004243116 ( 14 )	2004247013 ( 14 )
2004265570 ( 14 )		

**2005**

2005201977 ( 14 )	2005201995 ( 14 )	2005202008 ( 14 )
2005239890 ( 14 )	2005239969 ( 14 )	2005243110 ( 14 )
2005244347 ( 14 )	2005244842 ( 14 )	2005244851 ( 14 )
2005245413 ( 14 )	2005249658 ( 14 )	2005253694 ( 14 )
2005254751 ( 14 )	2005325261 ( 14 )	

**2006**

2006201915 ( 14 )	2006244242 ( 14 )	2006244818 ( 14 )
2006244969 ( 14 )	2006248768 ( 14 )	2006257741 ( 14 )
2006261375 ( 14 )		

**2007**

2007202492 ( 14 )	2007205711 ( 14 )	2007211912 ( 14 )
2007248952 ( 14 )	2007249229 ( 14 )	2007249300 ( 14 )
2007249805 ( 14 )	2007249938 ( 14 )	2007263173 ( 14 )
2007265740 ( 14 )		

**2008**

2008200018 ( 14 )	2008251316 ( 14 )	2008251339 ( 14 )
2008251427 ( 14 )	2008251822 ( 14 )	2008253775 ( 14 )
2008253776 ( 14 )	2008253777 ( 14 )	2008254214 ( 14 )
2008254237 ( 14 )	2008258332 ( 14 )	2008258366 ( 14 )
2008307945 ( 14 )	2008355940 ( 14 )	

**2009**

2009201915 ( 14 )	2009202432 ( 14 )	2009227883 ( 14 )
2009235992 ( 14 )	2009243419 ( 14 )	2009245482 ( 14 )
2009245715 ( 14 )	2009246329 ( 14 )	2009246402 ( 14 )
2009247156 ( 14 )	2009249812 ( 14 )	2009250619 ( 14 )
2009345651 ( 14 )		

**2010**

2010201875 ( 14 )	2010202067 ( 14 )	2010245702 ( 14 )
2010247461 ( 14 )	2010247808 ( 14 )	2010248295 ( 14 )
2010248833 ( 14 )	2010249008 ( 14 )	2010249031 ( 14 )
2010252320 ( 14 )	2010255403 ( 14 )	2010290068 ( 14 )
2010348090 ( 14 )		

**2011**

2011200423 ( 14 )	2011200966 ( 14 )	2011201821 ( 14 )
2011202124 ( 14 )	2011202160 ( 14 )	2011204924 ( 14 )
2011223981 ( 14 )	2011226992 ( 14 )	2011251747 ( 14 )
2011251882 ( 14 )	2011252039 ( 14 )	2011252337 ( 14 )
2011252418 ( 14 )	2011252753 ( 14 )	2011252871 ( 14 )
2011253076 ( 14 )	2011256380 ( 14 )	2011257582 ( 14 )
2011257584 ( 14 )	2011287189 ( 14 )	2011356785 ( 14 )

**2012**

2012200183 ( 14 )	2012202714 ( 14 )	2012202744 ( 14 )
2012244377 ( 14 )	2012252412 ( 14 )	2012252437 ( 14 )
2012252847 ( 14 )	2012253253 ( 14 )	2012253254 ( 14 )
2012253261 ( 14 )	2012253263 ( 14 )	2012253292 ( 14 )
2012253546 ( 14 )	2012253629 ( 14 )	2012269362 ( 14 )
2012379685 ( 14 )		

**2013**

2013200514 ( 14 )	2013201763 ( 14 )	2013201786 ( 14 )
2013204972 ( 14 )	2013205468 ( 14 )	2013205789 ( 14 )
2013205826 ( 14 )	2013205840 ( 14 )	2013218743 ( 14 )
2013258029 ( 14 )	2013258844 ( 14 )	2013259035 ( 14 )
2013259357 ( 14 )	2013259519 ( 14 )	2013259610 ( 14 )
2013259613 ( 14 )	2013259614 ( 14 )	2013259629 ( 14 )
2013259639 ( 14 )	2013261263 ( 14 )	2013261307 ( 14 )
2013262354 ( 14 )	2013263463 ( 14 )	2013264087 ( 14 )
2013270553 ( 14 )	2013273254 ( 14 )	2013279748 ( 14 )

2013308155 ( 14 )

**2014**

2014202390 ( 14 )    2014202498 ( 14 )    2014262380 ( 14 )  
 2014262474 ( 14 )    2014264558 ( 14 )    2014266127 ( 14 )  
 2014266223 ( 14 )    2014266968 ( 14 )    2014267060 ( 14 )  
 2014272737 ( 14 )    2014280592 ( 14 )    2014326083 ( 14 )  
 2014376884 ( 14 )    2014393411 ( 14 )    2014393953 ( 14 )

**2015**

2015101673 ( 22 )    2015101674 ( 22 )    2015101676 ( 22 )  
 2015101688 ( 22 )    2015101693 ( 22 )    2015101698 ( 22 )  
 2015200667 ( 14 )    2015202482 ( 14 )    2015202487 ( 14 )  
 2015202601 ( 14 )    2015202604 ( 14 )    2015202605 ( 14 )  
 2015203054 ( 14 )    2015204315 ( 14 )    2015255163 ( 14 )  
 2015255189 ( 14 )    2015259173 ( 14 )    2015259409 ( 14 )  
 2015259540 ( 14 )    2015259943 ( 14 )    2015260737 ( 14 )  
 2015260826 ( 14 )    2015266270 ( 14 )    2015266275 ( 14 )  
 2015266276 ( 14 )    2015312794 ( 14 )    2015321151 ( 14 )  
 2015345830 ( 14 )    2015358166 ( 14 )    2015371656 ( 14 )  
 2015394432 ( 14 )    2015394594 ( 14 )    2015394619 ( 14 )

**2016**

2016100585 ( 22G )    2016100791 ( 22 )    2016202047 ( 14 )  
 2016203072 ( 14 )    2016203132 ( 14 )    2016203348 ( 14 )  
 2016204122 ( 14 )    2016222448 ( 5C )    2016228283 ( 14 )  
 2016234917 ( 14 )    2016247136 ( 14 )    2016259861 ( 14 )  
 2016260407 ( 14 )    2016260408 ( 14 )    2016260540 ( 14 )  
 2016260738 ( 14 )    2016260785 ( 14 )    2016261297 ( 14 )  
 2016261299 ( 14 )    2016262122 ( 14 )    2016262144 ( 14 )  
 2016263091 ( 14 )    2016264827 ( 14 )    2016266265 ( 14 )  
 2016270236 ( 14 )    2016380409 ( 14 )    2016406776 ( 14 )

**2017**

2017101477 ( 22 )    2017203098 ( 14 )    2017203130 ( 14 )  
 2017203163 ( 14 )    2017203744 ( 14 )    2017203901 ( 14 )  
 2017203965 ( 16D )    2017204857 ( 14 )    2017232083 ( 14 )  
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 2017342536 ( 5C )    2017346349 ( 5C )    2017349625 ( 5C )  
 2017361157 ( 5C )    2017376132 ( 5C )    2017376670 ( 12C )  
 2017379368 ( 5C )    2017381403 ( 5C )    2017384494 ( 5C )  
 2017385720 ( 5C )    2017413249 ( 14 )

**2018**

2018100583 ( 22E )    2018100589 ( 22E )    2018100618 ( 22E )  
 2018100640 ( 22G )    2018101941 ( 22E )    2018201751 ( 14 )  
 2018203249 ( 4C )    2018208676 ( 14 )    2018215612 ( 5C )  
 2018217260 ( 14 )    2018234941 ( 5C )    2018236706 ( 1A )  
 2018241528 ( 5C )    2018250451 ( 14 )    2018265070 ( 14 )  
 2018265359 ( 4C )    2018265415 ( 4C )    2018265432 ( 4C )  
 2018265567 ( 4C )    2018265624 ( 4C )    2018265762 ( 4C )  
 2018266175 ( 4C )    2018266244 ( 14 )    2018266649 ( 4C )  
 2018266847 ( 4C )    2018267076 ( 4C )    2018267275 ( 4C )  
 2018267924 ( 4C )    2018269142 ( 4C )    2018270078 ( 4C )  
 2018270782 ( 14 )    2018270908 ( 14 )    2018281904 ( 4C )  
 2018286642 ( 4C )    2018286643 ( 4C )    2018325362 ( 25D )  
 2018386190 ( 5C )    2018422256 ( 14 )

**2019**

2019100512 ( 22E )    2019200432 ( 1B )    2019203272 ( 4A )  
 2019203277 ( 14 )    2019203296 ( 4B )    2019203310 ( 14 )  
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 2019203508 ( 14 )    2019240731 ( 1B )    2019240732 ( 1B )  
 2019261723 ( 1B )    2019261795 ( 12C )    2019264859 ( 4C )  
 2019265238 ( 4C )    2019265300 ( 14 )    2019265404 ( 14 )  
 2019265883 ( 4C )    2019266259 ( 4C )    2019266365 ( 4C )  
 2019266407 ( 4C )    2019267947 ( 4C )    2019268009 ( 4C )  
 2019269401 ( 4C )    2019269449 ( 4C )    2019271908 ( 1B )  
 2019271992 ( 1B )    2019275556 ( 1B )    2019276858 ( 4B )  
 2019281327 ( 4B )    2019281328 ( 4B )    2019283766 ( 14 )

2019284553 ( 4B )    2019288995 ( 4B )    2019290021 ( 4B )  
 2019296665 ( 4B )    2019298750 ( 5C )    2019379545 ( 12C )  
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 2019391417 ( 1B )    2019391789 ( 1B )    2019392435 ( 1B )  
 2019392580 ( 1B )    2019392711 ( 1B )    2019392784 ( 1B )  
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 2019394776 ( 1B )    2019394916 ( 1B )    2019394940 ( 1B )  
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 2019396194 ( 1B )    2019396504 ( 1B )    2019397427 ( 1B )  
 2019397442 ( 1B )    2019398024 ( 1B )    2019399661 ( 1B )  
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 2019446091 ( 4A )    2019446194 ( 4A )

**2020**

2020100736 ( 22E )    2020100751 ( 22E )    2020100753 ( 22E )  
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 2020204016 ( 5C )    2020240098 ( 5C )    2020246725 ( 5C )  
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 2020260018 ( 5C )    2020260408 ( 5C )    2020287351 ( 5C )  
 2020313921 ( 5C )    2020356715 ( 5C )    2020380505 ( 5C )  
 2020407439 ( 5C )    2020450960 ( 5C )

**2021**

2021102266 ( 22E )    2021102412 ( 22E )    2021102413 ( 22E )  
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 2021102544 ( 22E )    2021102545 ( 22E )    2021102547 ( 22E )  
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 2021102551 ( 22E )    2021102552 ( 22E )    2021102555 ( 22E )  
 2021102556 ( 22E )    2021102561 ( 22E )    2021102562 ( 22E )  
 2021102563 ( 22E )    2021102564 ( 22E )    2021102565 ( 22E )  
 2021102566 ( 22E )    2021102567 ( 22E )    2021102568 ( 22E )  
 2021102569 ( 22E )    2021102573 ( 22E )    2021102574 ( 22E )  
 2021102576 ( 22E )    2021102579 ( 22E )    2021102581 ( 22E )  
 2021102582 ( 22E )    2021102583 ( 22E )    2021102584 ( 22E )  
 2021102585 ( 22E )    2021202037 ( 4C )    2021203653 ( 4C )  
 2021206361 ( 5C )    2021209162 ( 4C )    2021209205 ( 4C )  
 2021213687 ( 5C )    2021221725 ( 5C )    2021229163 ( 5C )  
 2021229197 ( 5C )    2021236568 ( 5C )    2021240224 ( 5C )  
 2021245102 ( 5C )    2021245167 ( 5C )    2021258069 ( 5C )  
 2021265924 ( 5C )    2021266188 ( 5C )    2021266223 ( 5C )  
 2021269332 ( 5C )    2021269360 ( 5C )    2021269381 ( 5C )  
 2021269412 ( 5C )    2021269452 ( 5C )    2021277654 ( 5C )  
 2021282557 ( 5C )    2021286299 ( 5C )    2021286397 ( 5C )

**2022**

2022200024 ( 4C ) 2022202006 ( 5C ) 2022203036 ( 4C )  
 2022206786 ( 4C ) 202221548 ( 5C ) 2022231702 ( 4C )  
 2022242835 ( 12A ) 2022903419 ( 12AN ) 2022903421 ( 12AN )  
 2022903514 ( 12AN ) 2022903624 ( 12AN ) 2022903625 ( 12AN )

**2023**

2023100015 ( 21F ) 2023201771 ( 4C ) 2023202227 ( 4B )  
 2023222933 ( 1B ) 2023223004 ( 1B ) 2023226711 ( 1B )  
 2023226794 ( 7AN )

**Assignments before Grant, Section 113****2017**

2017268701 Transpiro Pty Ltd The application has been assigned to **VITALE, Santino Alfredo**

**2018**

2018225205 E. I. Du Pont De Nemours and Company The application has been assigned to **Covation Inc.**

**2019**

2019231706 Athenex HK Innovative Limited The application has been assigned to **ATNX SPV, LLC**

2019249160 TVA (ABC), LLC The application has been assigned to **Fusion Pharmaceuticals Inc.**

2019363627 RANSAN, Lisias The application has been assigned to **Ballardini, Celso; Teixeira de Araujo, Vanderlei; Teixeira de Araujo, Ival; RANSAN, Lisias**

**2020**

2020230003 Airbus Defence and Space GmbH The application has been assigned to **Aalto Haps Limited**

2020251989 OURS Technology, LLC The application has been assigned to **Aurora Operations, Inc.**

2020253385 TVA (ABC), LLC The application has been assigned to **Fusion Pharmaceuticals Inc.**

2020286221 Trigemina, Inc. The application has been assigned to **TONIX PHARMACEUTICALS HOLDING CORP.**

2020320867 OURS Technology, LLC The application has been assigned to **Aurora Operations, Inc.**

2020381017 University of Canberra The application has been assigned to **Waddington, Gordon; McGrath, Braden**

2020452061 ABB Oy The application has been assigned to **ABB Schweiz AG**

**2021**

2021236141 ImmunityBio, Inc. The application has been assigned to **NantCell, Inc.**

2021269337 Dupont Industrial BioSciences USA, LLC The application has been assigned to **Covation Inc.**

**Assignments before Grant, Section 113**

2021290276 FirstBuild Limited The application has been assigned to **Taiko Homes Limited**

2021359457 Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.; SICHUAN BAILI PHARM CO., LTD. The application has been assigned to **Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.**

2021374843 EMBARK BIOTECH APS The application has been assigned to **Novo Nordisk A/S**

2021381469 QILU REGOR THERAPEUTICS INC. The application has been assigned to **REGOR PHARMACEUTICALS, INC.**

**2022**

2022205254 E. I. du Pont de Nemours and Company The application has been assigned to **Covation Inc.**

2022259849 E. I. DU PONT DE NEMOURS AND COMPANY The application has been assigned to **Covation Inc.**

2022903982 TONKIN, Alana; TONKIN, Andrew The application has been assigned to **TONKIN, Andrew**

**2023**

2023203293 OURS Technology, LLC The application has been assigned to **Aurora Operations, Inc.**

2023203831 Trigemina, Inc. The application has been assigned to **TONIX PHARMACEUTICALS HOLDING CORP.**

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

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.

**2009**

2009223984 **Global Blue SA** An application to extend the time from 06 Mar 2023 to 06 Oct 2023 in which to pay a renewal fee has been filed . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

**2022**

2022200614 **MiMedx Group, Inc.** An application to extend the time from 13 Feb 2023 to 13 Sep 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022202457 **Genemedicine Co., Ltd.** An application to extend the time from 28 Feb 2023 to 28 Sep 2023 in which to pay a continuation fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2022211858 **Think Surgical, Inc.** An application to extend the time from 02 Mar 2023 to 02 Oct 2023 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

**Extensions of Time, Section 223**

2022231733 **NANOBIOSYM, INC.** An application to extend the time from 14 Mar 2023 to 14 Dec 2023 in which to pay a continuation fee has been filed . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

2022246427 **Aristocrat Technologies Australia Pty Limited** An application to extend the time from 28 Mar 2023 to 28 Oct 2023 in which to pay a continuation fee has been filed . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2022271443 **Transportation IP Holdings, LLC** An application to extend the time from 04 Mar 2023 to 04 Oct 2023 in which to pay a continuation fee has been filed . Address for service - PHILLIPS OR-MONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

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

**2010**

2010201929 **Supa Peg Australia Pty Ltd** The time in which to pay a renewal fee has been extended to 14 Jun 2023 . Address for service - Raven IP PO Box 391 VARSITY LAKES QLD 4227 AU

**2018**

2018371164 **BIOTECH DENTAL** The time in which to pay a continuation fee has been extended to 22 Aug 2023 . Address for service - Krouzer IP PO Box 2035 Como WA 6152 AU

**2019**

2019200669 **Reinhardt, E.** The time in which to pay a continuation fee has been extended to 31 Aug 2023 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019368196 **Regeneron Pharmaceuticals, Inc.** The time in which to request examination has been extended to 25 Oct 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2019374893 **Checkpoint Surgical, Inc.** The time in which to request examination has been extended to 15 Nov 2023 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

**2022**

2022203633 **ASSIA SPE, LLC** The time in which to pay a continuation fee has been extended to 05 Jul 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2023**

2023210587 **Latch Systems, Inc.** The time in which to request examination has been extended to 15 Nov 2023 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

2023222890 **Curis, Inc.** The time in which to request examination has been extended to 05 Dec 2023 . Address for service - Pearce IP Pty Ltd L5, 20 Bond Street Sydney NSW 2000 AU

2023263486 **DRAEGER SAFETY AG & CO. KGAA** The time in which to make a further application for a divisional patent has been extended

**Extensions of Time, Section 223**

to 30 Nov 2023 . Address for service - Oxygene IP PO Box 611 BAL-WYN NORTH VIC 3104 AU

**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.

**2014**

2014304566 NDP-MSH for treatment of inflammatory and/or neurodegenerative disorders of the CNS **Clinuvel Pharmaceuticals Limited** The nature of the amendment is: Amend the name of the inventor to add Wolgen, Philippe . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2017**

2017240236 Modified U6 promoter system for tissue specific expression **Research Institute at Nation Wide Children's Hospital** The nature of the amendment is as shown in the statement(s) filed 14 Nov 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2017272337 Non-human animals expressing exogenous terminal deoxynucleotidyltransferase **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Nov 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018330188 ENPP1 inhibitors and their use for the treatment of cancer **The Board of Trustees of the Leland Stanford Junior University** The nature of the amendment is as shown in the statement(s) filed 10 Oct 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020343671 RIP1 inhibitory compounds and methods for making and using the same **Rigel Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Nov 2023 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2020362080 Maneuverability involving a fixed-wing aircraft and an aerial vehicle having vertical takeoff and landing capabilities **Textron Systems Corporation** The nature of the amendment is as shown in the statement(s) filed 01 Nov 2023 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2022**

2022206787 AMIDE COMPOUNDS AS KINASE INHIBITORS, COMPOSITIONS AND METHODS OF TREATMENT **Translational Drug Development, LLC** The nature of the amendment is as shown in the statement(s) filed 18 Nov 2023 . Address for service - SOUTHERN

**Amendments**

CROSS INTELLECTUAL PROPERTY PTY LTD PO Box 906 Brisbane QLD 4001 AU

**Amendments Made****2017**

2017269608 **Norgen Biotek Corp.** The nature of the amendment is as shown in the statement(s) filed 09 Aug 2023

**2018**

2018233168 **Randall Innovations Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2018102253

2018250200 **The Middleby Corporation** The nature of the amendment is as shown in the statement(s) filed 14 Aug 2023

2018353854 **Anteris Technologies Corporation** The nature of the amendment is as shown in the statement(s) filed 07 Aug 2023

**2019**

2019281965 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read DEVINE, Lynne; VAN OS, Marcel; MOHSENI, Daamun; ANTON, Peter D.; PAUL, Grant; DYE, Alan C.; DE VRIES, Nathan; LINDMEIER, William D. and MALIA, Joseph A.

2019314455 **ImmunityBio, Inc.** The nature of the amendment is: Amend the name of the inventor to read KLINGEMANN, Hans G.; BOISSEL, Laurent H.; LEE, John H. and SCHOMER, Nathan T.

2019478907 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

**2020**

2020220259 **Bruckbauer, W.** The nature of the amendment is: Amend the invention title to read HOB SYSTEM

2020420030 **ShenZhen Rhegen Biotechnology Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read HU, Yong and ZHANG, Miaomiao

2020444140 **MGI Tech Co., Ltd.** The nature of the amendment is: Amend the invention title to read FLUID LAYING DEVICE, FLUID LAYING METHOD, FLUID LAYING SYSTEM, COMPOSITE DEVICE, AND FLUID PASSAGE DEVICE

**2021**

2021252179 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed and MACHOVEC, Jeffrey

2021281119 **Sanofi Biotechnology** The nature of the amendment is: Amend the name of the inventor to read ALBRECHT, Inka

2021286646 **Whoop, Inc.** The nature of the amendment is: Amend the name of the inventor to read CAPODILUPO, John Vincenzo; CAPODILUPO, Emily Rachel and LEE, Victoria Harrison

**Amendments**

2021312378 **ESCO Group LLC** The nature of the amendment is: Amend the name of the inventor to read JENSON, Christopher Alan; SAXENA, Ankit; MUTHUSAMY, Rayadurai; MAZUMDAR, Abhinav; PICKEL, Justin Ryan and CARPENTER, Christopher Myron

2021312378 **ESCO Group LLC** The nature of the amendment is as shown in the statement(s) filed 22 Nov 2023

2021349261 **SEELoS THERAPEUTICS, INC.** The nature of the amendment is: Amend the name of the inventor to read MEHRA, Raj

2021398589 **INCITEC FERTILISERS OPERATIONS PTY LTD** The nature of the amendment is as shown in the statement(s) filed 28 Aug 2023 and 30 Aug 2023

2021412369 **CeMM - FORSCHUNGSZENTRUM FÜR MOLEKULARE MEDIZIN GMBH; MEDIZINISCHE UNIVERSITÄT WIEN; UNIVERSITÉ DE LAUSANNE** The nature of the amendment is: Amend the name of the inventor to read TSIANTOULAS, Dimitrios; BINDER, Christoph; SCHNEIDER, Pascal and ESLAMI, Mahya

2021446660 **FUJITSU LIMITED** The nature of the amendment is: Amend the invention title to read Information processing program, information processing method, and information processing apparatus

**2022**

2022201787 **Mast Group Limited** The nature of the amendment is: Amend the name of the inventor to read WONG, KEN JIN; WILLIAMS, DAVID HUGH; McELARNEY, IAIN and GILLIES, ELIZABETH

2022221529 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read LAMOUREUX, Clement; MACHOVEC, Jeff; BHATTI, Sajid and ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

2022221534 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read BHATTI, Sajid; MACHOVEC, Jeff; LAMOUREUX, Clement and ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

2022221536 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read BHATTI, Sajid; MACHOVEC, Jeff; LAMOUREUX, Clement and ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

2022234780 **POCKET NALOXONE CORP.** The nature of the amendment is: Amend the invention title to read NALOXONE FOR USE IN THE TREATMENT OF A OPIOID OVERDOSE ADMINISTERED BY A DRUG DELIVERY DEVICE

2022246144 **MINA THERAPEUTICS LIMITED** The nature of the amendment is: Amend the name of the inventor to read TAN, Choon Ping; SINIGAGLIA, Laura; GOMEZ MARTINEZ, Valentin; RYAN, Brid; SÆTROM, Pål; HEGRE, Siv Anita and DEBACKER, Alexandre

2022266386 **ANIMUSCURE INC.** The nature of the amendment is: Amend the name of the inventor to read LEE, Sang-Jin; SO, Hyun-Kyung and LEE, Hye Young

**Amendments**

2022273530 **THE BROAD INSTITUTE, INC.; MASSACHUSETTS INSTITUTE OF TECHNOLOGY** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2023 and 23 Nov 2023

2022274669 **STEELFAB INC.** The nature of the amendment is: Amend the invention title to read Robotic shear stub welding system and methods of use thereof

2022279466 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Devine, Lynne; van Os, Marcel; Mohseni, Daamun; Anton, Peter D.; Paul, Grant; Dye, Alan C.; De Vries, Nathan; Lindmeier, William D. and Malia, Joseph A.

2022280595 **DAEWOONG PHARMACEUTICAL CO., LTD.** The nature of the amendment is: Amend the invention title to read MEDICINE CONTAINER COMPRISING LIQUID PHARMACEUTICAL COMPOSITION OF 1-(5-(2,4-DIFLUOROPHENYL)-1-(3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE

2022282770 **TOSHO, INC.** The nature of the amendment is: Amend the invention title to read Medicine dispensing apparatus

2022355346 **LG CHEM, LTD.** The nature of the amendment is: Amend the invention title to read MICRO CARRIER, CELL COMPOSITE, AND MEDICAL COMPOSITION, COSMETIC COMPOSITION, MEDICAL ARTICLES AND COSMETIC ARTICLES USING THE SAME

2022355952 **LG CHEM, LTD.** The nature of the amendment is: Amend the invention title to read MICROCARRIER FOR CELL CULTURE, A METHOD FOR PRODUCING THE SAME, AND A CELL CULTURE COMPOSITION USING THE SAME

2022358001 **LG CHEM, LTD.** The nature of the amendment is: Amend the invention title to read MICRO CARRIER, CELL COMPOSITE, AND MEDICAL COMPOSITION, COSMETIC COMPOSITION, MEDICAL ARTICLES AND COSMETIC ARTICLES USING THE SAME

**2023**

2023214242 **BGRIMM MTC TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the name of the inventor to read LI, Huachang; WANG, Dongjie; SHI, Yehong; FENG, Xianjin; YU, Chunlin; YANG, Chaowu; JI, Yang; CAI, Shilin; HUANG, Linkai; PENG, Han; QIU, Mohan; XIONG, Xia; SONG, Xiaoyan and ZHANG, Zengrong

2023266273 **Breathe Fresh Australia Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2023100096

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

**2008**

2008318932 Combe International Ltd. The name of the patentee has been altered to **Combe International, LLC**

**2013**

2013205259 Academisch Ziekenhuis h.o.d.n. LUMC The name of the patentee has been altered to **Academisch Ziekenhuis Leiden h.o.d.n. LUMC**

**Amendments**

2013378990 Iwata Label Co., Ltd. The name of the patentee has been altered to **IL PHARMA PACKAGING CO., LTD.**

**2015**

2015213420 Academisch Ziekenhuis h.o.d.n. LUMC The name of the patentee has been altered to **Academisch Ziekenhuis Leiden h.o.d.n. LUMC**

**2017**

2017202609 Academisch Ziekenhuis h.o.d.n. LUMC The name of the patentee has been altered to **Academisch Ziekenhuis Leiden h.o.d.n. LUMC**

2017360910 Opiant Pharmaceuticals, Inc. ; Aegis Therapeutics, LLC The name of the applicant has been altered to **Indivior Inc.; Aegis Therapeutics, LLC**

**2019**

2019213472 Create It REAL ApS The name of the applicant has been altered to **Create It REAL A/S**

**2020**

2020210980 Elixsys Inc. The name of the applicant has been altered to **DAVY POWERSPORTS INC.**

2020339071 UniferX Invest GmbH The name of the applicant has been altered to **Unifer Invest GmbH**

**2021**

2021204067 Combe International Ltd. The name of the applicant has been altered to **Combe International, LLC**

2021236208 Combe International LLC The name of the applicant has been altered to **Combe International, LLC**

2021281119 Sanofi Biotechnology; Eugen Feist; Peer-Malte Aries; Silke Zine; Harald Burkhardt; Hans-Peter Toney The name of the applicant has been altered to **Sanofi Biotechnology**

**2022**

2022202015 National Research Council of Canada (NRC) The name of the applicant has been altered to **National Research Council of Canada**

2022216288 CPG INTERNATIONAL LLC The name of the applicant has been altered to **The AZEK Group LLC**

2022260542 AVULOTION The name of the applicant has been altered to **AVulotion AB**

**2023**

2023270246 Centogene IP GmbH The name of the applicant has been altered to **Centogene GmbH**

2023903699 McNicoll, Campbell; O'Sullivan, Michael; de Castro, Isabela Alvares The name of the applicant has been altered to **McNicoll, C.; O'Sullivan, M.; de Castro, I.**

Applications Open to Public Inspection

Name Index

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

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(71) Abbott Diabetes Care Inc.  
 (11) AU-A-2023266371  
 (21) 2023266371 (22) 17.11.2023  
 (54) System, device and method of dynamic glucose profile response to physiological parameters  
 (51) Int. Cl.  
*A61B 5/145* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*H04M 1/725* ( 2021.01 )  
 (43) 07.12.2023  
 (62) 2021245245  
 (72) Gary Alan Hayter; Nathan Christopher Crouther; Michael Love; Erwin Satrya Budiman; Daniel Milfred Bernstein  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Ab Närpes Trä & Metall - Oy Närpiön Puu ja Metall  
 (11) AU-A-2023203069  
 (21) 2023203069 (22) 16.05.2023  
 (54) REFUSE COMPRESSION APPARATUS AND A METHOD FOR OPERATING REFUSE COMPRESSION APPARATUS  
 (51) Int. Cl.  
*B65F 3/20* ( 2006.01 )  
*B65F 3/14* ( 2006.01 )  
 (31) 17/751,292 (32) 23.05.22 (33) US  
 (43) 07.12.2023  
 (72) STAMBRO, Peter; HUMMELGÅRD, Kristian  
 (74) Griffith Hack

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(71) Adobe Inc.  
 (11) AU-A-2023201525  
 (21) 2023201525 (22) 11.03.2023  
 (54) MACHINE LEARNING BASED MULTIPAGE SCANNING  
 (51) Int. Cl.  
*G06V 30/40* ( 2022.01 )  
*G06N 20/00* ( 2019.01 )  
*G06V 30/146* ( 2022.01 )  
*H04N 1/00* ( 2006.01 )  
 (31) 17/663,785 (32) 17.05.22 (33) US  
 (43) 07.12.2023  
 (72) Sun, Tong; Rewkowski, Nicholas Sergei; Lipka, Nedim; Healey, Jennifer Anne; Wigington, Curtis Michael; Malik, Anshul  
 (74) RnB IP Pty Ltd

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(71) Alarm.Com Incorporated  
 (11) AU-A-2023270262  
 (21) 2023270262 (22) 22.11.2023  
 (54) DOORBELL CALL CENTER  
 (51) Int. Cl.  
*G08B 13/196* ( 2006.01 )

*G08B 25/00* ( 2006.01 )  
*H04N 7/18* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2022202582  
 (72) Daniel Todd Kerzner  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Alcon Inc.  
 (11) AU-A-2023266347  
 (21) 2023266347 (22) 16.11.2023  
 (54) 3D PRINTING OF AN INTRAOCULAR LENS HAVING SMOOTH, CURVED SURFACES  
 (51) Int. Cl.  
*B29C 64/135* ( 2017.01 )  
*B29C 64/264* ( 2017.01 )  
*B29D 11/00* ( 2006.01 )  
*B33Y 10/00* ( 2015.01 )  
 (43) 07.12.2023  
 (62) 2018237869  
 (72) Austin Xavier Rodeheaver; Brian Craig Cox; Fernando Enrique Ortiz  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Algorand, Inc.  
 (11) AU-A-2023270268  
 (21) 2023270268 (22) 22.11.2023  
 (54) DECLARATIVE SMART CONTRACTS  
 (51) Int. Cl.  
*H04L 67/562* ( 2022.01 )  
*H04L 9/06* ( 2006.01 )  
*H04L 9/32* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2018346326  
 (72) Silvio MICALI  
 (74) RnB IP Pty Ltd

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**Anlylam Pharmaceuticals, Inc. see ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI**  
 (21) 2023266354

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(71) Alphala Co., Ltd.  
 (11) AU-A-2023266374  
 (21) 2023266374 (22) 17.11.2023  
 (54) PROCESSES FOR PRODUCING AMIDE COMPOUNDS, AND THEIR CRYSTALLINE AND SALT FORM  
 (51) Int. Cl.  
*C07C 233/76* ( 2006.01 )  
*A01N 37/46* ( 2006.01 )  
*A01N 43/40* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021231787  
 (72) Cheng-Ho CHUNG; Shi-Liang TSENG; Hsiang-En HSU  
 (74) Madderns Pty Ltd

(71) Amgen Inc.  
 (11) AU-A-2023270272  
 (21) 2023270272 (22) 22.11.2023  
 (54) Drug delivery system and method of use  
 (51) Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61M 5/142* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2022200026  
 (72) Ferry TAMTORO; Huaying YANG; Mark Ka Lai LEE; Desheng YIN; Scott R. GIBSON; Donald BUSBY; Peter V. SHULTZ; Keith P. KOGLER; Jimmie L. WARD; Christopher R. FOLK; Adam B. MCCULLOUGH; Steven William BADEL  
 (74) Spruson & Ferguson

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(71) ANDURIL INDUSTRIES, INC.  
 (11) AU-A-2023202807  
 (21) 2023202807 (22) 16.02.2023  
 (54) MODULAR SYSTEM FOR DETECTING, TRACKING, AND TRANSMITTING TO IDENTIFIED OBJECTS  
 (51) Int. Cl.  
*H01Q 3/26* ( 2006.01 )  
 (31) 18/051,743 (32) 01.11.22 (33) US  
 18/051,801 01.11.22 US  
 17/978,736 01.11.22 US  
 17/978,822 01.11.22 US  
 17/978,701 01.11.22 US  
 17/978,807 01.11.22 US  
 17/978,868 01.11.22 US  
 17/978,821 01.11.22 US  
 63/365,115 20.05.22 US  
 63/420,247 28.10.22 US  
 (43) 07.12.2023  
 (72) EL-AKKAD, Sam; FISCHER, Christopher; WHITAKER, Travis; PEARSON, Bryden; BERK, Todd; PHAM, Thao; HSU, Jon; DART, Cameron  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023263521  
 (21) 2023263521 (22) 09.11.2023  
 (54) A METHOD FOR ADMINISTERING A PACKAGE OF SHUFFLED PLAYING CARDS  
 (51) Int. Cl.  
*A63F 1/06* ( 2006.01 )  
*A63F 1/18* ( 2006.01 )  
*G07F 17/32* ( 2006.01 )  
*A63F 9/24* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2022200064  
 (72) Yasushi Shigeta  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023266386  
 (21) 2023266386 (22) 17.11.2023  
 (54) Game token money, method of manufacturing game token money, and inspection system  
 (51) Int. Cl.  
     **A44C 21/00** ( 2006.01 )  
     **A63F 1/06** ( 2006.01 )  
     **A63F 11/00** ( 2006.01 )  
     **B32B 27/00** ( 2006.01 )  
     **G06K 19/04** ( 2006.01 )  
     **G06K 19/06** ( 2006.01 )  
     **G06K 19/07** ( 2006.01 )  
     **G06K 19/077** ( 2006.01 )  
     **G06K 19/08** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021232701  
 (72) Yasushi SHIGETA  
 (74) Davies Collison Cave Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023266222  
 (21) 2023266222 (22) 13.11.2023  
 (54) Music now playing user interface  
 (51) Int. Cl.  
     **G06F 3/0482** ( 2013.01 )  
     **G06F 3/0481** ( 2022.01 )  
     **G06F 3/0485** ( 2022.01 )  
     **G11B 27/34** ( 2006.01 )  
     **G11B 27/031** ( 2006.01 )  
     **G11B 27/10** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2022201297  
 (72) Taylor G. Carrigan; Joe Howard; Joshua McGlinn; Jonathan Lochhead; Benjamin W. Keighran; William M. Bachman; Elbert D. Chen; Jeffrey L. Robbin; Jennifer L. C. Folse; Lynne Kress; Kory M. Westerhold; Monika E. Gromek; Policarpo Bonilla Wood Jr.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023266353  
 (21) 2023266353 (22) 16.11.2023  
 (54) User interfaces for audio media control  
 (51) Int. Cl.  
     **G06F 3/16** ( 2006.01 )  
     **G06F 3/0488** ( 2022.01 )  
     **H04M 1/725** ( 2021.01 )  
 (43) 07.12.2023  
 (62) 2022218540  
 (72) David Chance Graham; Taylor G. Carrigan; Patrick L. Coffman  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023266356  
 (21) 2023266356 (22) 16.11.2023  
 (54) User interfaces for managing audio exposure  
 (51) Int. Cl.  
     **G06F 3/16** ( 2006.01 )  
     **G06F 3/048** ( 2013.01 )  
     **G08B 7/06** ( 2006.01 )

**H04R 1/10** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2023212604  
 (72) Nicholas Felton; Stephen O. Lemay; Christopher Wilson; Ruchi Goswami; Tyrone Chen; Jakub Mazur; Aroon Pahwa; David Harrison; Andriy Suden; Elizabeth Caroline Cranfill; Pedro Mari; Ian M. Fisch; Jing Xia; John Woodruff; Nathan De Vries; Taylor G. Carrigan; Eric Zhang; Ramsey Deeb Abouzahra; Joe Williams; Eamon Francis Gilravi  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023266370  
 (21) 2023266370 (22) 17.11.2023  
 (54) System for and method of authenticating a component of an electronic device  
 (51) Int. Cl.  
     **G06F 21/44** ( 2013.01 )  
     **G06F 21/62** ( 2013.01 )  
 (43) 07.12.2023  
 (62) 2022203908  
 (72) Julien Ollivier  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023266375  
 (21) 2023266375 (22) 17.11.2023  
 (54) Voice coil motor optical image stabilization  
 (51) Int. Cl.  
     **G02B 7/08** ( 2021.01 )  
     **G02B 27/64** ( 2006.01 )  
     **H02K 41/035** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021290351  
 (72) Richard J. Topliss; Douglas S. Brodie; Anthony J. Rossetti; Richard H. Tsai; Richard L. Baer  
 (74) FPA Patent Attorneys Pty Ltd

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(71) AREA52 LTD  
 (11) AU-A-2023203109  
 (21) 2023203109 (22) 18.05.2023  
 (54) CRUSTACEAN BUTCHERING APPARATUS  
 (51) Int. Cl.  
     **A22C 29/02** ( 2006.01 )  
 (31) 63/344,101 (32) 20.05.22 (33) US  
 (43) 07.12.2023  
 (72) FOGARTY, Tim; DEVITO, Joel  
 (74) RnB IP Pty Ltd

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023266268  
 (21) 2023266268 (22) 14.11.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )

(43) 07.12.2023  
 (62) 2021258069  
 (72) SCOTT SIMS; CHRISTOPHER REYNOLDS  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023266315  
 (21) 2023266315 (22) 15.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A PATH BASED BONUS GAME  
 (51) Int. Cl.  
     **A63F 13/00** ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2021225254  
 (72) Lorin SANTUCCI; Thomas TUOMEY; Aiden KIM  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023266381  
 (21) 2023266381 (22) 17.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC GAME INCLUDING A WHEEL BASED BONUS GAME  
 (51) Int. Cl.  
     **A63F 13/45** ( 2014.01 )  
     **G07F 17/32** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2018223055  
 (72) James LOADER; Matthew CHAN  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023266390  
 (21) 2023266390 (22) 17.11.2023  
 (54) SYSTEMS AND METHODS FOR PLAYING AN ELECTRONIC BONUS GAME  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )  
     **A63F 13/00** ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2021225256  
 (72) T. Grant BOLLING; Michael P. CASEY  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023270250  
 (21) 2023270250 (22) 21.11.2023  
 (54) AN ELECTRONIC METHOD OF GAMING, AN ELECTRONIC GAMING SYSTEM AND A GAME CONTROLLER  
 (51) Int. Cl.  
     **A63F 13/52** ( 2014.01 )  
     **G06Q 30/02** ( 2023.01 )  
     **G07F 17/32** ( 2006.01 )



Applications Open to Public Inspection - Name Index cont'd

(43) 07.12.2023  
 (62) 2018236750  
 (72) Billy TAM; Liam SANDERS; Alex SIDOTI  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Ltd  
 (11) AU-A-2023202960  
 (21) 2023202960 (22) 12.05.2023  
 (54) INTEGRATED STAND FOR SUPPORTING ELECTRONIC GAMING MACHINE AND HOUSING ELECTRONIC GAMING COMPONENTS THEREOF  
 (51) Int. Cl.  
**A63F 11/00** ( 2006.01 )  
**G07F 17/32** ( 2006.01 )  
 (31) 18/307,507 (32) 26.04.23 (33) US 63/344,232 20.05.22 US  
 (43) 07.12.2023  
 (72) VOLOH, Noel; MIRAKHOUR, Martin; KIM, Calvin  
 (74) James & Wells Intellectual Property

(71) ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LTD  
 (11) AU-A-2022203102  
 (21) 2022203102 (22) 13.04.2022  
 (54) GAMING DEVICE WITH ACTIVATABLE FEATURE STATES  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
 (43) 07.12.2023  
 (72) Tran, Dinh; Batsiokis, Amy; Yu, Hiram; O'Sullivan, Nicholas; Seifert, Philip; Khatri, Ravi Kamal; Saharawat, Sandeep; Dhaliwal, Upinder; Chapple, Lauren; Aggarwal, Romit; van Elven, Robbert; Chew, Emily; Connelly, Paul  
 (74) James & Wells Intellectual Property

(71) ASSIA SPE, LLC  
 (11) AU-A-2023266316  
 (21) 2023266316 (22) 15.11.2023  
 (54) SYSTEMS AND METHODS FOR COMBINED MANAGEMENT WITH USER PREFERENCES OF WI-FI AND CELLULAR DATA  
 (51) Int. Cl.  
**H04W 24/08** ( 2009.01 )  
**H04W 36/18** ( 2009.01 )  
**H04W 36/22** ( 2009.01 )  
**H04W 36/30** ( 2009.01 )  
**H04W 84/02** ( 2009.01 )  
**H04W 84/12** ( 2009.01 )  
 (43) 07.12.2023  
 (62) 2020297346  
 (72) Kenneth KERPEZ  
 (74) Griffith Hack

(71) Atrium Medical Corporation  
 (11) AU-A-2023266313  
 (21) 2023266313 (22) 15.11.2023  
 (54) GRAFT WITH EXPANDABLE REGION AND METHODS OF MAKING AND USING THE SAME  
 (51) Int. Cl.

**A61F 2/07** ( 2013.01 )  
 (43) 07.12.2023  
 (62) 2021212053  
 (72) James J. Scutti; David G. Culp; Ibrahim E. Dagher; Kevin W. Penn  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Aulos Bioscience, Inc  
 (11) AU-A-2023266270  
 (21) 2023266270 (22) 14.11.2023  
 (54) ENGINEERED ANTI-IL-2 ANTIBODIES  
 (51) Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021221287  
 (72) Inbar AMIT; Itay LEVIN; Guy NIMROD; Sharon FISCHMAN; Reut BARAK FUCHS; Marek ŠTRAJBL; Timothy WYANT; Michael ZHENIN; Olga BLUVSHTEIN YERMOLAEV; Yehezkel SASSON; Noam GROSSMAN; Natalia LEVITIN; Yanay OFRAN  
 (74) Griffith Hack

(71) Avery Dennison Retail Information Services LLC  
 (11) AU-A-2023270214  
 (21) 2023270214 (22) 21.11.2023  
 (54) FOOD TRACEABILITY SYSTEM AND METHOD  
 (51) Int. Cl.  
**G06Q 10/08** ( 2023.01 )  
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 (72) Jeanne DUCKETT; Michael SCHABERL; Txus CARRION  
 (74) AJ Pietras IP Limited

(71) BASF Plant Science Company GmbH  
 (11) AU-A-2023266379  
 (21) 2023266379 (22) 17.11.2023  
 (54) Gene expression or activity enhancing elements  
 (51) Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 5/04** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
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 (74) Griffith Hack

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
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 (54) Traction saddle and traction pin  
 (51) Int. Cl.  
**B62D 53/08** ( 2006.01 )  
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 (72) WANG, Letian  
 (74) FB Rice Pty Ltd

(71) Bellicum Pharmaceuticals, Inc.  
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 (54) Methods for activating T cells using an inducible chimeric polypeptide  
 (51) Int. Cl.  
**A61K 35/14** ( 2015.01 )  
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 (62) 2021203741  
 (72) Aaron Edward FOSTER; David SPENCER; Matthew Robert COLLINSON-PAUTZ; Kevin SLAWIN  
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(71) Berkshire Biomedical Corporation  
 (11) AU-A-2023266255  
 (21) 2023266255 (22) 14.11.2023  
 (54) Computerized oral prescription administration with refillable medication dispensing devices and associated systems and methods  
 (51) Int. Cl.  
**A61M 31/00** ( 2006.01 )  
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 (62) 2022200529  
 (72) Thomas M. ROUSE; Susan B. OWEN; Christy COREY; Carlton CHOW; Michael TURI; Larry BISCHOFF; Steven HARTMAN; Robert BOYER; Richard CRONENBERG; Michael QUINN; James LYNCH  
 (74) Spruson & Ferguson

(71) BGI Genomics Co., Ltd; BGI Health (HK) Company Limited  
 (11) AU-A-2023266239  
 (21) 2023266239 (22) 13.11.2023  
 (54) Method for processing gene sequencing data and apparatus for processing gene sequencing data  
 (51) Int. Cl.  
**G16B 30/10** ( 2019.01 )  
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 (72) Youjin ZHANG; Chuang YU; Lingxiang KONG; Hui HE; Zengquan HE; Xiangqian JIN  
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 (21) 2023266239

(71) Biohaven Therapeutics Ltd.  
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 (54) KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE  
 (51) Int. Cl.  
**C07D 413/04** ( 2006.01 )  
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 (54) Drainage Device For A Basin  
 (51) Int. Cl.  
*E03C 1/23* ( 2006.01 )  
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 (72) KOSKA, Reinhard; FRANK, Manuel; KAHL-MARBURGER, Georg  
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 (54) Drainage Device For A Basin  
 (51) Int. Cl.  
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(71) BNSF Railway Company  
 (11) AU-A-2023266301  
 (21) 2023266301 (22) 15.11.2023  
 (54) Systems and methods for locating objects  
 (51) Int. Cl.  
*G06T 7/73* ( 2017.01 )  
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 (72) Michael Saied SANIEI; Xiaoyan SI; Siva Prasad VYSYARAJU  
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 (54) Compounds with anti-tumor activity against cancer cells bearing EGFR or HER2 exon 20 mutations  
 (51) Int. Cl.  
*A61K 31/395* ( 2006.01 )  
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 (54) METHODS AND SYSTEMS FOR TRACKING WILDFIRES USING WEATHER RADAR DATA  
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*G06T 7/00* ( 2017.01 )  
*A62C 3/02* ( 2006.01 )  
*A62C 37/00* ( 2006.01 )  
*A62C 99/00* ( 2010.01 )  
*G01S 13/06* ( 2006.01 )  
*G01S 13/50* ( 2006.01 )  
*G01S 13/86* ( 2006.01 )  
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*G01W 1/00* ( 2006.01 )  
 (31) 63/342,671 (32) 17.05.22 (33) US  
 (43) 07.12.2023  
 (72) Lareau, Neil P.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Boehringer Ingelheim Vetmedica GmbH  
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 (21) 2023266287 (22) 15.11.2023  
 (54) Treatment of metabolic disorders in equine animals  
 (51) Int. Cl.  
*A61K 31/357* ( 2006.01 )  
*A61K 31/70* ( 2006.01 )  
*A61K 31/7034* ( 2006.01 )  
*A61K 31/7042* ( 2006.01 )  
*A61K 31/7048* ( 2006.01 )  
*A61K 31/7056* ( 2006.01 )  
*A61K 47/16* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
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(71) Brilliance of Beauty, Inc.  
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 (54) Light-curable artificial nails, methods of preparation and methods of use thereof  
 (51) Int. Cl.  
*A45D 29/00* ( 2006.01 )  
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 (21) 2023270190

(71) Canon Kabushiki Kaisha  
 (11) AU-A-2023266346  
 (21) 2023266346 (22) 16.11.2023  
 (54) Drum unit, drive transmission unit, cart-ridge and electrophotographic image forming apparatus  
 (51) Int. Cl.  
*G03G 21/18* ( 2006.01 )  
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 (54) Techniques to perform applet program-ming  
 (51) Int. Cl.  
*G06Q 20/34* ( 2012.01 )  
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 (72) Rajko ILINCIC; Jeffrey RULE  
 (74) GLMR

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 (54) One-tap payment using a contactless card  
 (51) Int. Cl.  
*G06Q 20/12* ( 2012.01 )  
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*G06Q 20/34* ( 2012.01 )  
*G06Q 20/38* ( 2012.01 )  
*G06Q 20/40* ( 2012.01 )  
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*C12N 15/115* ( 2010.01 )  
*C12Q 1/68* ( 2018.01 )  
*C40B 20/02* ( 2006.01 )  
*C40B 20/04* ( 2006.01 )  
*C40B 40/08* ( 2006.01 )  
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*G06F 3/01* ( 2006.01 )  
*B25J 9/16* ( 2006.01 )  
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 (72) Dustin J. TYLER  
 (74) ACROGON GROUP PTY LTD

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 (54) FUEL SYSTEM AND ENGINE HEAD ASSEMBLY HAVING DOUBLE-WALLED FUEL CONNECTOR FOR COOLING FUEL RETURN  
 (51) Int. Cl.  
*F02M 53/04* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) SYSTEM AND METHOD FOR SUGGESTING OPERATIONAL ZONES FOR A WORKSITE ON A DEVICE  
 (51) Int. Cl.  
*G06Q 10/063* ( 2023.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
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 (21) 2023202559 (22) 27.04.2023  
 (54) MODIFYING A ROTATIONAL POSITION OF A BOOM OF A MACHINE  
 (51) Int. Cl.  
*E02F 3/43* ( 2006.01 )  
*E02F 3/38* ( 2006.01 )  
*E02F 9/20* ( 2006.01 )  
*E02F 9/24* ( 2006.01 )  
*G05B 13/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
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 (72) CALLAWAY, Joshua D.; PAHL, Justin P.  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2023266289

(71) Chauvet & Sons, LLC  
 (11) AU-A-2023203074  
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 (54) Portable multi-function lighting device with built-in master-slave controller and an integrated lighting system and method using the portable multi-function lighting device  
 (51) Int. Cl.  
*F21L 2/00* ( 2006.01 )  
*G06F 9/22* ( 2006.01 )  
*G06F 13/10* ( 2006.01 )  
*H05B 47/155* ( 2020.01 )  
*H05B 47/175* ( 2020.01 )  
*H05B 47/19* ( 2020.01 )

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 (51) Int. Cl.  
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(71) Chugai Seiyaku Kabushiki Kaisha  
 (11) AU-A-2023266341  
 (21) 2023266341 (22) 16.11.2023  
 (54) Cell injury inducing therapeutic drug for use in cancer therapy  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61K 45/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (11) AU-A-2023266234  
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 (54) Systems and methods for estimating a three-dimensional pose of an oral hygiene device with visual markers  
 (51) Int. Cl.  
*A46B 15/00* ( 2006.01 )  
*A61C 17/00* ( 2006.01 )  
*G06T 7/70* ( 2017.01 )

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 (11) AU-A-2023266292  
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 (54) Banknote deposit-withdrawal system and architecture  
 (51) Int. Cl.  
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 (21) 2023270263 (22) 22.11.2023  
 (54) Sports-based financial instrument development and trading systems and methods  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
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 (62) 2021273619  
 (72) Christopher, Paul RABALAIS; Emin, Alper OZGIT; Neil BROWN; Ralph, Edward SETHNESS IV; Paul, Mathew BLEIER; Ernest, Allan TANNIS; Jason, Beryl Edward HENRY; Ace, B. UNDERHILL  
 (74) FB Rice Pty Ltd

(71) Cycleron Therapeutics, Inc.  
 (11) AU-A-2023270260  
 (21) 2023270260 (22) 22.11.2023  
 (54) Novel processes and intermediates for the preparation of soluble guanylate cyclase stimulators  
 (51) Int. Cl.  
*C07D 413/14* ( 2006.01 )  
*C07C 237/06* ( 2006.01 )  
*C07D 239/34* ( 2006.01 )  
*C07D 263/06* ( 2006.01 )  
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**A01G 13/02** ( 2006.01 )  
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**A61K 9/06** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 38/19** ( 2006.01 )  
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 (72) Michael Solomon Goldberg; Chun Gwon Park  
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 (21) 2023266298 (22) 15.11.2023  
 (54) SURGICAL INSTRUMENT WITH FASTENER PRELOAD LOCK-OUT  
 (51) Int. Cl.  
**A61B 17/128** ( 2006.01 )  
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 (54) INTEGRATED SYSTEM FOR BIOCATALYTICALLY PRODUCING AND RECOVERING AN ORGANIC SUBSTANCE  
 (51) Int. Cl.  
**C12M 1/04** ( 2006.01 )  
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**C12P 5/00** ( 2006.01 )  
**C12P 7/06** ( 2006.01 )  
**C12P 7/16** ( 2006.01 )  
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 (54) A mobile communication device connected currency receiving, accepting, capturing, verifying and rejecting apparatus  
 (51) Int. Cl.  
**G07D 11/00** ( 2019.01 )  
**G06Q 20/32** ( 2012.01 )  
**G07D 5/02** ( 2006.01 )  
**G07D 7/16** ( 2016.01 )  
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 (72) James Dellas  
 (74) Cooper IP Pty Ltd
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- (71) Discovery Limited; Cambridge Mobile Telematics  
 (11) AU-A-2023270190  
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 (51) Int. Cl.  
**B60R 25/32** ( 2013.01 )  
**B60R 25/102** ( 2013.01 )  
**B60R 25/33** ( 2013.01 )  
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- (71) Dolby International AB  
 (11) AU-A-2023266360  
 (21) 2023266360 (22) 16.11.2023  
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 (51) Int. Cl.  
**G06F 17/10** ( 2006.01 )  
**G10L 19/02** ( 2013.01 )  
**G10L 19/22** ( 2013.01 )  
**G10L 19/24** ( 2013.01 )  
**G10L 19/26** ( 2013.01 )  
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**H01R 13/629** ( 2006.01 )  
**H01R 13/428** ( 2006.01 )  
**H01R 13/44** ( 2006.01 )
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 (54) DREDGE SYSTEM  
 (51) Int. Cl.  
**E02F 3/88** ( 2006.01 )  
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 (54) Compositions and methods for treating CEP290 associated disease  
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**C12N 15/113** ( 2010.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
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 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
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 (11) AU-A-2023266376  
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 (54) METHOD AND APPARATUS FOR COSMETIC PRODUCT RECOMMENDATION  
 (51) Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**G06F 16/33** ( 2019.01 )

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 (72) Branden Gus Ciranni; Jia Jun Li; Grace Tan; Tae Woo Lee; John Joseph Healy  
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- (71) Electrolux Appliances Aktiebolag  
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 (21) 2023258351 (22) 31.10.2023  
 (54) DISHWASHER  
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**A47L 15/44** ( 2006.01 )  
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 (72) Kristian REUNANEN  
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- (71) Eli Lilly and Company  
 (11) AU-A-2023265759  
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 (54) Mirikizumab for use in a method of treating Crohn's Disease  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
 (43) 07.12.2023  
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 (72) Stuart William FRIEDRICH; Paul Frederick POLLACK; Jay Lawrence TUTTLE  
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- (71) ENERTECHNOS LIMITED  
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 (21) 2023270213 (22) 21.11.2023  
 (54) Electrical power transmission  
 (51) Int. Cl.  
**H02H 7/22** ( 2006.01 )  
**H01B 7/00** ( 2006.01 )  
**H01B 7/30** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**H02H 7/16** ( 2006.01 )  
**H02H 9/04** ( 2006.01 )  
 (43) 07.12.2023  
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 (72) Mansour Salehi-Moghadam; Ashkan Daria Hajiloo  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Fachlabor Dr. W. Klee fur grazile Kieferorthopadie GmbH  
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 (21) 2023203110 (22) 18.05.2023  
 (54) System for transferring orthodontic tools, kit of parts comprising the system for transferring orthodontic tools and the use of the system and of the kit of parts  
 (51) Int. Cl.  
**A61C 7/02** ( 2006.01 )  
**A61C 7/14** ( 2006.01 )  
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 (43) 07.12.2023  
 (72) KLEE, Felix; MEHRKAM, Behrang  
 (74) Davies Collison Cave Pty Ltd

- (71) FASTCASE, INC.  
 (11) AU-A-2023203060  
 (21) 2023203060 (22) 16.05.2023  
 (54) DEVICES, SYSTEMS, AND METHODS FOR DISPLAYING AND LINKING LEGAL CONTENT  
 (51) Int. Cl.  
**G06F 40/279** ( 2020.01 )  
**G06F 16/20** ( 2019.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 50/18** ( 2012.01 )  
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 (43) 07.12.2023  
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 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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 (54) Method for stabilizing colorimetric assay for use with plucked human hair  
 (51) Int. Cl.  
**C12Q 1/48** ( 2006.01 )  
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 (72) GOREN, Ofer A.; MCCOY, John  
 (74) Spruson & Ferguson
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- (71) Geissler Companies, LLC  
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 (21) 2023266283 (22) 15.11.2023  
 (54) VETERINARY THERMOMETER AND METHOD OF MANAGING ANIMAL HEALTH CONSIDERING AMBIENT TEMPERATURE & HUMIDITY CONDITIONS  
 (51) Int. Cl.  
**A61B 1/31** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61D 13/00** ( 2006.01 )  
**G01K 1/02** ( 2021.01 )  
**G01N 25/62** ( 2006.01 )  
**G16H 40/63** ( 2018.01 )  
**H04Q 11/00** ( 2006.01 )  
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 (72) Randolph K. GEISSLER; Steve A. LEWIS; Greg QUAKENBUSH; Gregory H. SMITH  
 (74) Franke Hyland Pty Ltd
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**A61K 31/4995** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
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 (72) Lan JIANG; David W. LIN; Michael L. MITCHELL; Ezra ROBERTS; Gregg M. SCHWARZWALDER  
 (74) Davies Collison Cave Pty Ltd

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 (54) Enzymes and methods for producing omega-3 fatty acids  
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**C12N 15/82** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Greenyn Biotechnology Co., Ltd  
 (11) AU-A-2023270216  
 (21) 2023270216 (22) 21.11.2023  
 (54) Anti-allergic peptide and use thereof for immune regulation and anti-allergy  
 (51) Int. Cl.  
**C07K 7/06** ( 2006.01 )  
**A61K 38/08** ( 2019.01 )  
**A61P 37/06** ( 2006.01 )  
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 (72) Pang-Kuei Hsu; Yu Cheng Lin; Chih Kuo Kao; Chia-Feng Wu  
 (74) LAMINAR IP PTY LTD
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- (71) HaGePe International B.V.; Cenergist Limited  
 (11) AU-A-2023266289  
 (21) 2023266289 (22) 15.11.2023  
 (54) Pressure valve for a liquid  
 (51) Int. Cl.  
**G05D 16/10** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2020314305  
 (72) Stijn VAN DER UPWICH  
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- (71) Hanwha Azdel, Inc.  
 (11) AU-A-2023266223  
 (21) 2023266223 (22) 13.11.2023  
 (54) MULTI-LAYER ASSEMBLIES WITH ONE OR MORE MESH LAYERS  
 (51) Int. Cl.  
**B32B 5/02** ( 2006.01 )

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(72) Mark John Mason; John Christian; Anthony Joseph Messina  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2023263576 (22) 13.11.2023  
(54) Method and device for managing security in a computer network  
(51) Int. Cl.  
*G06F 11/00* ( 2006.01 )  
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(72) Syed Kamran HASAN  
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- (71) Hayashi, L.M.  
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(54) LOCATION DETERMINATION BASED ON BEACON SIGNAL TRANSMISSION TO ENABLED DEVICES  
(51) Int. Cl.  
*H04M 1/725* ( 2021.01 )  
*H04W 4/02* ( 2018.01 )  
*H04W 4/80* ( 2018.01 )  
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(72) Luis Marcelo Hayashi  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Heraeus Medical GmbH  
(11) AU-A-2023202449  
(21) 2023202449 (22) 21.04.2023  
(54) DEVICE AND METHOD FOR PREPARING BONE CEMENT PASTE  
(51) Int. Cl.  
*B01F 35/71* ( 2022.01 )  
*A61B 17/88* ( 2006.01 )  
*B01F 35/22* ( 2022.01 )  
*B01F 35/32* ( 2022.01 )  
(31) 22174728.0 (32) 23.05.22 (33) EM  
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(72) VOGT, Sebastian; KLUGE, Thomas  
(74) Davies Collison Cave Pty Ltd
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- (71) Hetherington Design & Fabrication Pty Ltd  
(11) AU-A-2023203138  
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(51) Int. Cl.  
*A01G 9/12* ( 2006.01 )  
*E04H 17/14* ( 2006.01 )  
*E04H 17/16* ( 2006.01 )  
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(72) Hetherington, Grant  
(74) ACROGON GROUP PTY LTD
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- (71) HLC SB Distribution, S.L.  
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- (21) 2023203113 (22) 18.05.2023  
(54) DETACHABLE SKATEBOARD ASSEMBLY  
(51) Int. Cl.  
*A63C 17/01* ( 2006.01 )  
*A63C 17/02* ( 2006.01 )  
*B62M 1/00* ( 2010.01 )  
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(72) IRAOLA GARMENDIA, Pedro; MARTÍNEZ ALMANSA, Juan José  
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- (71) HONEYWELL INTERNATIONAL INC.  
(11) AU-A-2023202411  
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(54) AD-HOC DELEGATION OF CONSOLE TASKS TO A CONSOLE  
(51) Int. Cl.  
*G06Q 10/0631* ( 2023.01 )  
*G06F 9/06* ( 2006.01 )  
*G08B 21/18* ( 2006.01 )  
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(72) MCADAM, Rohan James; LAYCOCK, Graeme John  
(74) FPA Patent Attorneys Pty Ltd
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- (71) HONEYWELL INTERNATIONAL INC.  
(11) AU-A-2023202555  
(21) 2023202555 (22) 27.04.2023  
(54) METHOD AND SYSTEM FOR LOCATING AND QUANTIFYING FUGITIVE EMISSION LEAKS  
(51) Int. Cl.  
*G01N 33/00* ( 2006.01 )  
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(43) 07.12.2023  
(72) TRENCHARD, Andrew J.; SCOGGINS, Sean; KASTELEIN, Bas  
(74) FPA Patent Attorneys Pty Ltd
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- (71) H-TEC Systems GmbH  
(11) AU-A-2023202387  
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(54) ELECTROCHEMICAL CELL MONITORING DEVICE, ELECTROCHEMICAL CELL MONITORING SYSTEM AND METHOD  
(51) Int. Cl.  
*G01R 31/3835* ( 2019.01 )  
*G01R 31/371* ( 2019.01 )  
*G01R 31/396* ( 2019.01 )  
*G06T 7/00* ( 2017.01 )  
*G06T 11/00* ( 2006.01 )  
*H01M 8/04537* ( 2016.01 )  
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(72) Mantai, Nils; Bülow, Norbert  
(74) Collison & Co
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- (71) Hubei Yimu Electronic Technology Co., Ltd.  
(11) AU-A-2022231750  
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(51) Int. Cl.  
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(74) Madderns Pty Ltd
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- (71) Hunter Douglas, Inc.  
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(21) 2023270210 (22) 21.11.2023  
(54) Operating system for an architectural covering  
(51) Int. Cl.  
*E06B 9/32* ( 2006.01 )  
*E06B 9/56* ( 2006.01 )  
(43) 07.12.2023  
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(72) Ronald HOLT; Stephen T. WISECUP; Terry L. AKINS  
(74) Spruson & Ferguson
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- (71) Hydro Grow LLC; Massey, S.  
(11) AU-A-2023266310  
(21) 2023266310 (22) 15.11.2023  
(54) Plant growing apparatus and method  
(51) Int. Cl.  
*A01G 9/00* ( 2018.01 )  
*A01G 9/20* ( 2006.01 )  
*A01G 9/24* ( 2006.01 )  
*A01G 31/00* ( 2018.01 )  
(43) 07.12.2023  
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(72) Scott MASSEY  
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- (71) ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI; Alnylam Pharmaceuticals, Inc.  
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(21) 2023266354 (22) 16.11.2023  
(54) Compositions and methods for inhibiting expression of the ALAS1 gene  
(51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/7088* ( 2006.01 )  
*A61K 31/713* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
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(72) Brian BETTENCOURT; Kevin FITZGERALD; William QUERBES; Robert J. DESNICK; Makiko YASUDA  
(74) Griffith Hack
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- (71) Idaho Milk Products; South Dakota State University  
(11) AU-A-2023266366  
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(54) Process for manufacture of milk permeate powders

(51) Int. Cl.  
**A23C 9/142** ( 2006.01 )  
**A23C 9/13** ( 2006.01 )

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(74) Spruson & Ferguson

(71) IGT  
(11) AU-A-2023202803  
(21) 2023202803 (22) 05.05.2023  
(54) TRACKING LOCATIONS OF VIRTUAL MARKERS  
(51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
(31) 17/747,675 (32) 18.05.22 (33) US  
(43) 07.12.2023  
(72) Shepherd, Jeffery  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Illumina, Inc.  
(11) AU-A-2023266266  
(21) 2023266266 (22) 14.11.2023  
(54) METHODS OF SEQUENCING DATA READ REALIGNMENT  
(51) Int. Cl.  
**G16B 30/10** ( 2019.01 )  
**G16B 30/00** ( 2019.01 )  
(43) 07.12.2023  
(62) 2017361069  
(72) Gwenn Berry; Han-Yu Chuang; Jessica Gordon; Xiao Chen; Stephen Tanner  
(74) Michael Buck IP

(71) Itron, Inc.  
(11) AU-A-2023202811  
(21) 2023202811 (22) 05.05.2023  
(54) Secured authorization for demand response  
(51) Int. Cl.  
**G06Q 50/06** ( 2012.01 )  
**G06Q 10/0631** ( 2023.01 )  
**H04W 12/00** ( 2021.01 )  
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(72) BRADBURY, Connie; DAMM, Benjamin N.; GLASENAPP, Aaron; BARBOUR, Thomas J.; REEVES III, Donald Lloyd  
(74) Spruson & Ferguson

(71) Janssen Biotech, Inc.  
(11) AU-A-2023266233  
(21) 2023266233 (22) 13.11.2023  
(54) GDF15 fusion proteins and uses thereof  
(51) Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 38/18** ( 2006.01 )  
**C07K 14/495** ( 2006.01 )  
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(72) Anthony ARMSTRONG; Judith Ann CONNOR; Jennifer FURMAN; Chichi HUANG; Michael J. HUNTER; Xiefan LIN-SCHMIDT; Serena NELSON; Shamina RANGWALA; Shannon MULICAN; Jose Antonio CHAVEZ  
(74) Spruson & Ferguson

(71) JETBLACK INVESTMENTS PTY LTD  
(11) AU-A-2023203261  
(21) 2023203261 (22) 24.05.2023  
(54) IMPROVED SIMULATION TECHNOLOGY FOR USE WITH A STATIONARY BICYCLE TRAINING SYSTEM, INCLUDING USE OF WEARABLE SENSORS TO CONTROL DISPLAY AND/OR PERFORMANCE PARAMETERS AND/OR CONTROL OF SIMULATION PARAMETERS RESPONSIVE TO RIDER BODY POSITION  
(51) Int. Cl.  
**G09B 9/058** ( 2006.01 )  
**A63B 24/00** ( 2006.01 )  
**A63B 22/06** ( 2006.01 )  
(31) 2022901312 (32) 17.05.22 (33) AU  
(43) 07.12.2023  
(72) Simmonds, Tony  
(74) FORWARD INTELLECTUAL PROPERTY PTY LTD

(71) JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.  
(11) AU-A-2023222838  
(21) 2023222838 (22) 19.05.2023  
(54) METHOD AND DEVICE FOR PRODUCING AMMONIUM BICARBONATE IN AMMONIA-BASED DECARBONIZATION SYSTEM  
(51) Int. Cl.  
**B01D 53/00** ( 2006.01 )  
(31) 202210553353.9 (32) 20.05.22 (33) CN  
(43) 07.12.2023  
(72) ZHANG, Jun; WANG, Jinyong; QI, Lifang; LUO, Jing  
(74) FB Rice Pty Ltd

(71) Jiangnan Environmental Technology Inc  
(11) AU-A-2023219960  
(21) 2023219960 (22) 24.03.2023  
(54) DEVICE AND METHOD FOR STAGED ABSORPTION AMMONIA-BASED DECARBONIZATION  
(51) Int. Cl.  
**B01D 53/00** ( 2006.01 )  
(31) 202210553874.4 (32) 19.05.22 (33) CN  
(43) 07.12.2023  
(72) ZHANG, Jun; QI, Lifang; WANG, Jinyong; LUO, Jing  
(74) FB Rice Pty Ltd

(71) JIANGNAN ENVIRONMENTAL TECHNOLOGY INC  
(11) AU-A-2023222850  
(21) 2023222850 (22) 24.03.2023

(54) Device and method for controlling ammonia escape in ammonia-based decarbonization system  
(51) Int. Cl.  
**B01D 53/00** ( 2006.01 )  
(31) 202210552210.6 (32) 19.05.22 (33) CN  
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(72) LUO, Jing; ZHANG, Jun; QI, Lifang; WANG, Jinyong  
(74) FB Rice Pty Ltd

(71) JIANGNAN ENVIRONMENTAL TECHNOLOGY INC  
(11) AU-A-2023222861  
(21) 2023222861 (22) 18.05.2023  
(54) MULTI-STAGE AMMONIA-PROCESS DECARBONIZATION METHOD  
(51) Int. Cl.  
**B01D 53/00** ( 2006.01 )  
(31) 202210553333.1 (32) 20.05.22 (33) CN  
(43) 07.12.2023  
(72) ZHANG, Jun; QI, Lifang; WANG, Jinyong; LUO, Jing  
(74) FB Rice Pty Ltd

Johns, P. see Rose Acre Farms, Inc.  
(21) 2023270270

(71) Kaleido Biosciences, Inc.; DSM IP Assets B.V.  
(11) AU-A-2023266348  
(21) 2023266348 (22) 16.11.2023  
(54) OLIGOSACCHARIDE PREPARATIONS AND COMPOSITIONS  
(51) Int. Cl.  
**C07H 3/06** ( 2006.01 )  
**A23K 20/163** ( 2016.01 )  
**A23L 33/125** ( 2016.01 )  
(43) 07.12.2023  
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(72) John M. Geremia; Ulrich Höller; Ian Tamburini; Manuela Baur; Anastasia V. Lioubomirov; Estel Canet-Martinez; Christopher Matthew Liu; Lisa Ann Laprade; Ghislain Schyns; Maxwell B. Hecht; Rudiger Hainz; Madeline Hartman; Mitchell Tyler Antalek  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Karsten Manufacturing Corporation  
(11) AU-A-2023270261  
(21) 2023270261 (22) 22.11.2023  
(54) Systems and methods for measurement of 3D attributes using computer vision  
(51) Int. Cl.  
**A63B 53/04** ( 2015.01 )  
**A63B 53/00** ( 2015.01 )  
**A63B 60/00** ( 2015.01 )  
**B23P 17/00** ( 2006.01 )  
**A63B 102/32** ( 2015.01 )

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(72) Tyler A. SHAW; Clayson C. SPACKMAN  
(74) Davies Collision Cave Pty Ltd

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(71) King's College London; Icahn School of Medicine at Mount Sinai  
 (11) AU-A-2023258448  
 (21) 2023258448 (22) 03.11.2023  
 (54) Adeno-associated virus vector  
 (51) Int. Cl.  
 C12N 15/861 ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021202538  
 (72) Ralph Michael LINDEN  
 (74) Davies Collison Cave Pty Ltd

(71) Komatsu Ltd.  
 (11) AU-A-2023263535  
 (21) 2023263535 (22) 10.11.2023  
 (54) System and method for construction performance management of a plurality of work machines  
 (51) Int. Cl.  
 G06Q 50/08 ( 2012.01 )  
 E02F 9/20 ( 2006.01 )  
 E02F 9/26 ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021229163  
 (72) Yoshiyuki ONISHI; Shinya KANOU; Kyohei KURODA; Shota FURUKAWA; Naoyuki OMURO  
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(71) Koninklijke Douwe Egberts B.V.  
 (11) AU-A-2023266224  
 (21) 2023266224 (22) 13.11.2023  
 (54) System for preparing a beverage  
 (51) Int. Cl.  
 A47J 31/36 ( 2006.01 )  
 A47J 31/06 ( 2006.01 )  
 B65D 85/804 ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2017307909  
 (72) Marjan Cornelissen; Klaas Kooijker; Judith Margreet Hanneke Ogink; Peter Rijskamp; Jarno Beekman  
 (74) Davies Collison Cave Pty Ltd

(71) Krisis Protection PTY LTD  
 (11) AU-A-2022203366  
 (21) 2022203366 (22) 18.05.2022  
 (54) Krisis Flood Bag  
 (51) Int. Cl.  
 B65D 88/78 ( 2006.01 )  
 A45C 11/22 ( 2006.01 )  
 A45C 13/00 ( 2006.01 )  
 B65D 88/16 ( 2006.01 )  
 A44B 19/32 ( 2006.01 )  
 B65D 33/06 ( 2006.01 )  
 (43) 07.12.2023  
 (72) Harris, Stephen  
 (74) Krisis Protection PTY

(71) KY7 Inc.  
 (11) AU-A-2023266265  
 (21) 2023266265 (22) 14.11.2023  
 (54) Lid body  
 (51) Int. Cl.  
 B65D 3/00 ( 2006.01 )  
 B31B 50/74 ( 2017.01 )  
 B65D 43/10 ( 2006.01 )

B31B 110/20 ( 2017.01 )  
 B31B 120/40 ( 2017.01 )  
 (43) 07.12.2023  
 (62) 2021206361  
 (72) Akira TAKANO  
 (74) WRAYS PTY LTD

(71) Leidos, Inc.  
 (11) AU-A-2023258376  
 (21) 2023258376 (22) 31.10.2023  
 (54) MATERIALS AND METHODS FOR CELL-FREE EXPRESSION OF VACCINE EPITOPE CONCATEMERS  
 (51) Int. Cl.  
 C12P 21/00 ( 2006.01 )  
 C07H 21/04 ( 2006.01 )  
 C12N 15/00 ( 2006.01 )  
 C12P 21/04 ( 2006.01 )  
 C12P 21/06 ( 2006.01 )  
 C12Q 1/68 ( 2018.01 )  
 (43) 07.12.2023  
 (62) 2019299339  
 (72) Stephen A. CHAPPELL; Vincent P. MAURO; John DRESIOS  
 (74) RNB IP PTY LTD

(71) LG Electronics Inc.  
 (11) AU-A-2023266306  
 (21) 2023266306 (22) 15.11.2023  
 (54) Video coding method on basis of secondary transform, and device for same  
 (51) Int. Cl.  
 H04N 19/61 ( 2014.01 )  
 H04N 19/11 ( 2014.01 )  
 H04N 19/122 ( 2014.01 )  
 H04N 19/124 ( 2014.01 )  
 H04N 19/132 ( 2014.01 )  
 H04N 19/18 ( 2014.01 )  
 H04N 19/593 ( 2014.01 )  
 H04N 19/70 ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2023203062  
 (72) Moonmo KOO; Seunghwan KIM; Jaehyun LIM  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2023266345  
 (21) 2023266345 (22) 16.11.2023  
 (54) METHOD AND APPARATUS FOR CODING IMAGE ON BASIS OF TRANSFORM  
 (51) Int. Cl.  
 H04N 19/60 ( 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 )  
 H04N 19/70 ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2020312302  
 (72) Moonmo KOO; Seunghwan KIM; Jaehyun LIM  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2023266345  
 (21) 2023266345 (22) 16.11.2023  
 (54) METHOD AND APPARATUS FOR CODING IMAGE ON BASIS OF TRANSFORM  
 (51) Int. Cl.  
 H04N 19/60 ( 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 )  
 H04N 19/70 ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2020312302  
 (72) Moonmo KOO; Seunghwan KIM; Jaehyun LIM  
 (74) Dentons Patent Attorneys Australasia Limited

(71) Lzlabs GmbH  
 (11) AU-A-2023266241  
 (21) 2023266241 (22) 13.11.2023  
 (54) CONTAINERIZED DEPLOYMENT OF MICROSERVICES BASED ON MONOLITHIC LEGACY APPLICATIONS  
 (51) Int. Cl.  
 G06F 8/76 ( 2018.01 )  
 G06F 9/455 ( 2018.01 )  
 (43) 07.12.2023  
 (62) 2022200853  
 (72) Jan Jaeger; Didier Durand; Pierre-Jean Ditscheid; Jean-Luc Vuattoux  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Magic Leap, Inc.  
 (11) AU-A-2023270240  
 (21) 2023270240 (22) 21.11.2023  
 (54) Continuous time warp and binocular time warp for virtual and augmented reality display systems and methods  
 (51) Int. Cl.  
 G06T 19/20 ( 2011.01 )  
 G06T 3/40 ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021286370  
 (72) Ivan Yeoh; Lionel Edwin; Samuel A. Miller  
 (74) Davies Collison Cave Pty Ltd

Massey, S. see Hydro Grow LLC  
 (21) 2023266310

(71) Mastercard International Incorporated  
 (11) AU-A-2023266383  
 (21) 2023266383 (22) 17.11.2023  
 (54) Systems and methods for processing data messages from a user vehicle  
 (51) Int. Cl.  
 G06Q 20/40 ( 2012.01 )  
 G06Q 20/32 ( 2012.01 )  
 G06Q 30/02 ( 2023.01 )  
 (43) 07.12.2023  
 (62) 2017382820  
 (72) Jeffrey D. Woods; Christopher Eric Mullen; Rick Unnerstall  
 (74) Davies Collison Cave Pty Ltd

(71) Mayo Foundation for Medical Education and Research  
 (11) AU-A-2023266344  
 (21) 2023266344 (22) 16.11.2023  
 (54) Cell culture media compositions for primary cells  
 (51) Int. Cl.  
 C12N 5/071 ( 2010.01 )  
 C12N 5/00 ( 2006.01 )  
 C12N 5/0775 ( 2010.01 )  
 (43) 07.12.2023  
 (62) 2021277734  
 (72) Allan B. Dietz; Gaylord Knutson  
 (74) FPA Patent Attorneys Pty Ltd

(71) Metabolic Technologies, Inc.  
 (11) AU-A-2023266257



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(21) 2023266257 (22) 14.11.2023  
 (54) Compositions and methods of use of β-hydroxy-β-methylbutyrate (HMB) and probiotics  
 (51) Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2017345598  
 (72) Jay HOFFMAN; John RATHMACHER  
 (74) Spruson & Ferguson

(71) MGI Tech Co., Ltd.  
 (11) AU-A-2023266236  
 (21) 2023266236 (22) 13.11.2023  
 (54) Biochemical substance analysis system, method, and device  
 (51) Int. Cl.  
**G01N 21/01** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2019467369  
 (72) Heming JIANG; Chutian XING; Joonmo YANG; Xiangkun SUI; Jian LIU; Razvan CHIRITA; Zhonghai WANG; Simon Robert ADAMS; Le WANG; Mark Frederick SENKO; Craig Edward UHRICH; Sicheng WEN; Pin KAO; Feng MU  
 (74) Admiral Trademarks & Patents Services

(71) Microport Orthopedics Holdings Inc.; Steensen Orthopedic Systems, LLC  
 (11) AU-A-2023202862  
 (21) 2023202862 (22) 08.05.2023  
 (54) TIBIAL DUAL STYLUS INSTRUMENT HAVING WIDE CONVEX STYLUS TIPS AND COMPONENTS THEREOF  
 (51) Int. Cl.  
**A61B 17/15** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**A61F 2/46** ( 2006.01 )  
 (31) 18/307,208 (32) 26.04.23 (33) US  
 63/344,113 20.05.22 US  
 (43) 07.12.2023  
 (72) STEENSEN, Robert N.; HARRIS, Brian R.; DANG, Duy Q.  
 (74) Griffith Hack

(71) MILWAUKEE ELECTRIC TOOL CORPORATION  
 (11) AU-A-2023203053  
 (21) 2023203053 (22) 16.05.2023  
 (54) BATTERY PACK  
 (51) Int. Cl.  
**H01M 50/20** ( 2021.01 )  
**H01M 50/211** ( 2021.01 )  
**H01M 50/247** ( 2021.01 )  
**H01M 50/284** ( 2021.01 )  
 (31) 63/342,760 (32) 17.05.22 (33) US  
 (43) 07.12.2023  
 (72) SILHA, Wyatt R.; CASTAÑOS, Carmen J.; MEYER, Zachery; ZIDEL, Eli M.; WEINHEIMER, Matthew J.; IVERSEN FOSTER, Karl Bernard  
 (74) Griffith Hack

(71) Mitsubish Heavy Industries Ltd.  
 (11) AU-A-2023202917  
 (21) 2023202917 (22) 10.05.2023  
 (54) Electrolysis device  
 (51) Int. Cl.  
**C25B 1/02** ( 2006.01 )  
**C25B 1/00** ( 2021.01 )  
**C25B 9/19** ( 2021.01 )  
**C25B 9/65** ( 2021.01 )  
**C25B 9/70** ( 2021.01 )  
 (31) 22174135.8 (32) 18.05.22 (33) EP  
 (43) 07.12.2023  
 (72) BECKER, Gerd; BERGINS, Christian; BUDDENBERG, Torsten Gerhard  
 (74) Spruson & Ferguson

(71) Munters Corporation  
 (11) AU-A-2023266235  
 (21) 2023266235 (22) 13.11.2023  
 (54) Active/Passive Cooling System  
 (51) Int. Cl.  
**H05K 7/20** ( 2006.01 )  
**F28D 15/02** ( 2006.01 )  
**G06F 1/20** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021212117  
 (72) Michael Boucher; Rafael Neuwald; Bryan Keith Dunnavant; John Roberts; Paul A. Dinnage; Wei Fang  
 (74) Intellepro Patent & Trade Mark Attorneys

(71) MycoTechnology, Inc.  
 (11) AU-A-2023266307  
 (21) 2023266307 (22) 15.11.2023  
 (54) Sweet protein from truffle  
 (51) Int. Cl.  
**A23L 2/60** ( 2006.01 )  
**A01G 18/00** ( 2018.01 )  
**C07K 14/43** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021298029  
 (72) Marina NADAL; Anthony J. CLARK; Zheyuan GUO; Stephen A. GRAVINA; Anthony WESTGATE; Bassam ALKOTAINI; Ashley HAN; Brendan SHARKEY; Evan STRASSBURGER; Joseph MEILEN; Hyung CHANG; Alan D. HAHN  
 (74) Davies Collison Cave Pty Ltd

(71) Neovasc Medical Ltd.  
 (11) AU-A-2023266358  
 (21) 2023266358 (22) 16.11.2023  
 (54) Flow modifying implants  
 (51) Int. Cl.  
**A61F 2/82** ( 2013.01 )  
**A61F 2/06** ( 2013.01 )  
**A61F 2/07** ( 2013.01 )  
**A61F 2/88** ( 2006.01 )  
**A61F 2/89** ( 2013.01 )  
**A61F 2/90** ( 2013.01 )  
 (43) 07.12.2023  
 (62) 2020211601  
 (72) Keith Alan JACKSON; Shmuel BANAI; Colin Alexander NYULI; Elliot Y.K. HONG  
 (74) Spruson & Ferguson

(71) Netflix, Inc.  
 (11) AU-A-2023263516  
 (21) 2023263516 (22) 09.11.2023  
 (54) Automatic trailer detection in multimedia content  
 (51) Int. Cl.  
**G11B 27/28** ( 2006.01 )  
**G06V 10/82** ( 2022.01 )  
 (43) 07.12.2023  
 (62) 2020383509  
 (72) Dong Liu; Lezi Wang; Rohit Puri  
 (74) FPA Patent Attorneys Pty Ltd

(71) Neuboron Therapy System Ltd.  
 (11) AU-A-2023270215  
 (21) 2023270215 (22) 21.11.2023  
 (54) NEUTRON CAPTURE THERAPY SYSTEM  
 (51) Int. Cl.  
**A61N 5/10** ( 2006.01 )  
**G21K 1/02** ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2020260204  
 (72) Wei-Lin CHEN; Tao JIANG; Fa-Zhi YAN  
 (74) Madderns Pty Ltd

(71) Nextracker LLC  
 (11) AU-A-2023266286  
 (21) 2023266286 (22) 15.11.2023  
 (54) Systems for an Methods of Positioning Solar Panels in an Array of Solar Panels to Efficiently Capture Sunlight  
 (51) Int. Cl.  
**F24S 50/20** ( 2018.01 )  
**H02S 20/32** ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2021245101  
 (72) Yudong Ma; Francesco Borrelli; Allan Daly; Yang Liu  
 (74) Clark Intellectual Property Pty Ltd

(71) Nextracker LLC  
 (11) AU-A-2023266291  
 (21) 2023266291 (22) 15.11.2023  
 (54) Solar Module Mounting Bracket Assemblies  
 (51) Int. Cl.  
**H02S 20/30** ( 2014.01 )  
**E04D 13/18** ( 2018.01 )  
**H02S 20/00** ( 2014.01 )  
**H02S 20/20** ( 2014.01 )  
 (43) 07.12.2023  
 (62) 2022202289  
 (72) Tyler Joseph Watson; Ricardo Delgado-Nanez  
 (74) Clark Intellectual Property Pty Ltd

(71) Ningbo Wentai Sport Equipment Co., Ltd.  
 (11) AU-A-2022211818  
 (21) 2022211818 (22) 02.08.2022  
 (54) Golf cart  
 (51) Int. Cl.  
**B62B 3/02** ( 2006.01 )  
**B62B 3/10** ( 2006.01 )

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**B62B 5/06** ( 2006.01 )  
**(31)** 2022212180999 **(32)** 20.05.22 **(33)** CN  
**(43)** 07.12.2023  
**(72)** ZHANG, Sheng  
**(74)** Spruson & Ferguson

**(71)** Nippon Steel Corporation; Vallourec Oil and Gas France

**(11)** AU-A-2023266308  
**(21)** 2023266308 **(22)** 15.11.2023  
**(54)** Threaded connection for oil country tubular goods and method for producing threaded connection for oil country tubular goods

**(51)** Int. Cl.  
**C23C 22/77** ( 2006.01 )  
**C23C 22/30** ( 2006.01 )  
**C23C 28/00** ( 2006.01 )  
**C25D 7/04** ( 2006.01 )  
**F16L 15/04** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2021245143  
**(72)** Masanari KIMOTO; Masahiro OSHIMA  
**(74)** FB Rice Pty Ltd

**(71)** Novartis AG  
**(11)** AU-A-2023263519  
**(21)** 2023263519 **(22)** 09.11.2023

**(54)** Methods for Preventing Cardiovascular Events Through Proprotein Convertase Subtilisin Kexin 9 (PCSK9) Protein Reduction

**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/713** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2017346879  
**(72)** Peter Wijngaard; David Kallend  
**(74)** Davies Collison Cave Pty Ltd

**Novartis AG see The Trustees of the University of Pennsylvania**  
**(21)** 2023263532

**(71)** Novartis AG  
**(11)** AU-A-2023266278  
**(21)** 2023266278 **(22)** 15.11.2023

**(54)** Novel pharmaceutical composition

**(51)** Int. Cl.  
**A61K 31/505** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2021221451  
**(72)** Nikos Karanikolopoulos; Paul Goulding  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Nurix Therapeutics, Inc.  
**(11)** AU-A-2023266254  
**(21)** 2023266254 **(22)** 14.11.2023

**(54)** BIFUNCTIONAL COMPOUNDS FOR DEGRADING BTK VIA UBIQUITIN PROTEASOME PATHWAY

**(51)** Int. Cl.

**C07D 401/14** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 471/10** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**C07D 487/10** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2019360928  
**(72)** Daniel W. ROBBINS; Arthur T. SANDS; Joel MCINTOSH; Jeffrey MIHALIC; Jeffrey WU; Daisuke KATO; Dahlia WEISS; Ge PENG  
**(74)** RnB IP

**(71)** Ohio State Innovation Foundation  
**(11)** AU-A-2023266355  
**(21)** 2023266355 **(22)** 16.11.2023

**(54)** SYSTEMS AND METHODS FOR MECHANICAL DISPLACEMENT OF AN ESOPHAGUS

**(51)** Int. Cl.  
**A61B 90/00** ( 2016.01 )  
**A61B 17/02** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2018210381  
**(72)** Veeral M. Oza; Adam Hensel; Emile Daoud; Nishaki Mehta  
**(74)** Madderns Pty Ltd

**(71)** Omeros Corporation  
**(11)** AU-A-2023266363  
**(21)** 2023266363 **(22)** 16.11.2023

**(54)** MASP-2 inhibitors and methods of use

**(51)** Int. Cl.  
**C07D 205/00** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**C07D 207/00** ( 2006.01 )  
**C07D 213/00** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2019277150  
**(72)** Markus Metz; Sara Rebecca Goldstein; Santosh Kumar Keshipeddy; Do Yeon Kwon; Robert Huerta Lemus; Sudheer Babu Vaddela; Neil S. Cutshall; Jennifer Lynn Gage; Franz A. Gruswitz; Juhienah Khalaf; Thomas L. Little; Jeremiah H. Nguyen; Peter Kurt Nollert von Specht; Jennifer Tsoung; Michael Cicirelli  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** OXTI Pte Ltd  
**(11)** AU-A-2022203426  
**(21)** 2022203426 **(22)** 20.05.2022

**(54)** WEARABLE PRESSURE RELIEF STRUCTURE

**(51)** Int. Cl.  
**A42B 3/12** ( 2006.01 )  
**A47G 9/10** ( 2006.01 )  
**A61F 9/02** ( 2006.01 )  
**A47C 7/38** ( 2006.01 )  
**G02B 27/01** ( 2006.01 )  
**G02B 27/02** ( 2006.01 )  
**G06F 1/16** ( 2006.01 )

**(43)** 07.12.2023  
**(72)** Ho, Chih-Feng  
**(74)** Alfred Lei

**(71)** OXTI Pte Ltd  
**(11)** AU-A-2022203427  
**(21)** 2022203427 **(22)** 20.05.2022  
**(54)** CHAIR STERILIZATION DEVICE  
**(51)** Int. Cl.  
**A61L 2/10** ( 2006.01 )  
**A47C 7/62** ( 2006.01 )  
**A61L 2/24** ( 2006.01 )

**(43)** 07.12.2023  
**(72)** Ho, Chih-Feng  
**(74)** Alfred Lei

**(71)** PACCAR Inc  
**(11)** AU-A-2023270192  
**(21)** 2023270192 **(22)** 20.11.2023

**(54)** ARTICULATED WHEEL FAIRING FOR THE STEER AXLE

**(51)** Int. Cl.  
**B62D 37/02** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2019202285  
**(72)** Gerald Jay Angelo  
**(74)** Madderns Pty Ltd

**(71)** Pact Group Industries (ANZ) Pty Ltd  
**(11)** AU-A-2023202010  
**(21)** 2023202010 **(22)** 31.03.2023

**(54)** BAG DISPENSER

**(51)** Int. Cl.  
**A47F 9/04** ( 2006.01 )  
**B65D 33/00** ( 2006.01 )  
**B65D 33/06** ( 2006.01 )  
**B65D 85/67** ( 2006.01 )  
**B65H 35/10** ( 2006.01 )  
**B65D 83/08** ( 2006.01 )

**(31)** 2022901344 **(32)** 19.05.22 **(33)** AU  
**(43)** 07.12.2023  
**(72)** CARREON, Micah; HOPLEY, Benjamin Daniel  
**(74)** K&L Gates

**(71)** PerkinElmer Health Sciences, Inc.  
**(11)** AU-A-2023266294  
**(21)** 2023266294 **(22)** 15.11.2023

**(54)** PURIFICATION OF NUCLEIC ACIDS IN A MICROFLUIDIC CHIP BY SEPARATION

**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )  
**G01N 35/10** ( 2006.01 )

**(43)** 07.12.2023  
**(62)** 2019211356  
**(72)** TROIANO, Derek  
**(74)** Madderns Pty Ltd

**(71)** Pratt Retail Specialties, LLC  
**(11)** AU-A-2023266362  
**(21)** 2023266362 **(22)** 16.11.2023

**(54)** Modular Box Assembly  
**(51)** Int. Cl.

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**B65D 81/18** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
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**(62)** 2018260918  
**(72)** Greg Sollie; Jamie Waltermire; Shifeng Chen  
**(74)** Golja Haines & Friend

**(71)** Precigen, Inc.  
**(11)** AU-A-2023266388  
**(21)** 2023266388 **(22)** 17.11.2023  
**(54)** Methods and microorganisms for the fermentation of methane to multi-carbon compounds  
**(51)** Int. Cl.  
**C12P 7/16** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2018260733  
**(72)** Jeffrey David ORTH; Louis A. CLARK; Lily Yui CHAO; Na My TRINH; Christopher Cheney FARWELL; Xinhua ZHAO; Matthias Helmut SCHMALISCH; Grayson Thomas WAWRZYN; Xuezhi LI; Mark Anton HELD; Kevin Lee DIETZEL; James KEALEY  
**(74)** Spruson & Ferguson

**(71)** President and Fellows of Harvard College  
**(11)** AU-A-2023248053  
**(21)** 2023248053 **(22)** 09.10.2023  
**(54)** Antigen-presenting cell-mimetic scaffolds and methods for making and using the same  
**(51)** Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
**(43)** 07.12.2023  
**(62)** 2017295704  
**(72)** Cheung, Alexander Sing; Mooney, David J.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Professional Dietetics S.p.A.  
**(11)** AU-A-2023266256  
**(21)** 2023266256 **(22)** 14.11.2023  
**(54)** COMPOSITIONS COMPRISING AMINO ACIDS FOR USE IN THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION-RELATED DISEASES  
**(51)** Int. Cl.  
**A61K 31/194** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2018306540  
**(72)** Paolo Luca Maria GIORGETTI  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Prysmian S.p.A.  
**(11)** AU-A-2023202332  
**(21)** 2023202332 **(22)** 17.04.2023

**(54)** Data transmission cable  
**(51)** Int. Cl.  
**H01B 11/06** ( 2006.01 )  
**(31)** 102022000010544 **(32)** 20.05.22 **(33)** IT  
**(43)** 07.12.2023  
**(72)** Brown, Scott M.; Pfeiler, Christian  
**(74)** Davies Collison Cave Pty Ltd

**(71)** QINGDAO UNIVERSITY OF TECHNOLOGY  
**(11)** AU-A-2023216735  
**(21)** 2023216735 **(22)** 09.02.2023  
**(54)** NANO-TITANIUM DIOXIDE/BIOCHAR COMPOSITE, AND PREPARATION METHOD AND USE THEREOF  
**(51)** Int. Cl.  
**C04B 24/12** ( 2006.01 )  
**(31)** 202210558730.8 **(32)** 20.05.22 **(33)** CN  
**(43)** 07.12.2023  
**(72)** LI, Shaochun; CHEN, Xu; HU, Mengjun; LIU, Ang; GENG, Yongjuan; JIANG, Jialin  
**(74)** Oxygene IP

**(71)** RAI Strategic Holdings, Inc  
**(11)** AU-A-2023270189  
**(21)** 2023270189 **(22)** 20.11.2023  
**(54)** Article  
**(51)** Int. Cl.  
**A24B 15/167** ( 2020.01 )  
**A24B 15/30** ( 2006.01 )  
**A24F 40/42** ( 2020.01 )  
**A24F 40/44** ( 2020.01 )  
**A61K 31/352** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2020363016  
**(72)** Michael Foster DAVIS; John Will CARAWAY  
**(74)** Spruson & Ferguson

**(71)** RAPSODO PTE. LTD.  
**(11)** AU-A-2022211820  
**(21)** 2022211820 **(22)** 02.08.2022  
**(54)** FEATURE ESTIMATION OF A CRICKET GAME  
**(51)** Int. Cl.  
**G06V 10/40** ( 2022.01 )  
**A63B 24/00** ( 2006.01 )  
**A63B 63/00** ( 2006.01 )  
**G01D 21/02** ( 2006.01 )  
**G01P 3/38** ( 2006.01 )  
**G01S 3/782** ( 2006.01 )  
**G01S 13/58** ( 2006.01 )  
**G01S 13/72** ( 2006.01 )  
**G01S 13/86** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 17/00** ( 2006.01 )  
**G06V 10/12** ( 2022.01 )  
**G06V 20/40** ( 2022.01 )  
**G06V 20/64** ( 2022.01 )  
**H04N 23/61** ( 2023.01 )  
**A63B 102/20** ( 2015.01 )  
**(31)** 177747,699 **(32)** 18.05.22 **(33)** US  
**(43)** 07.12.2023  
**(72)** GOPALAKRISHNAN, Roshan; GARG, Saurabh; VIJAYANAND, Lodiya Radhakrishnan; OKUR, Batuhan  
**(74)** Pangaea IP Consultants

**(71)** RAPSODO PTE. LTD.  
**(11)** AU-A-2022211821  
**(21)** 2022211821 **(22)** 02.08.2022  
**(54)** STUMP DEVICE FOR FEATURE ESTIMATION OF CRICKET GAMES  
**(51)** Int. Cl.  
**G06V 10/40** ( 2022.01 )  
**A63B 24/00** ( 2006.01 )  
**A63B 63/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 17/00** ( 2006.01 )  
**G06V 10/12** ( 2022.01 )  
**G06V 20/40** ( 2022.01 )  
**G06V 20/64** ( 2022.01 )  
**G11B 31/00** ( 2006.01 )  
**H04N 1/21** ( 2006.01 )  
**A63B 102/20** ( 2015.01 )  
**(31)** 177747,711 **(32)** 18.05.22 **(33)** US  
**(43)** 07.12.2023  
**(72)** GOPALAKRISHNAN, Roshan; GARG, Saurabh; VIJAYANAND, Lodiya Radhakrishnan; OKUR, Batuhan  
**(74)** Pangaea IP Consultants

**(71)** Reddin, D.  
**(11)** AU-A-2022203419  
**(21)** 2022203419 **(22)** 20.05.2022  
**(54)** Single use GPS tracking device for use in supply chain by freight providers and consumers.  
**(51)** Int. Cl.  
**H04W 4/029** ( 2018.01 )  
**G06Q 10/08** ( 2012.01 )  
**G08B 13/24** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
**G01S 19/13** ( 2010.01 )  
**(43)** 07.12.2023  
**(72)** Reddin, Damian  
**(74)** Damian Reddin

**(71)** Revolution Medicines, Inc.  
**(11)** AU-A-2023266357  
**(21)** 2023266357 **(22)** 16.11.2023  
**(54)** 2,5-disubstituted 3-methyl pyrazines and 2,5,6-trisubstituted 3-methyl pyrazines as allosteric SHP2 inhibitors  
**(51)** Int. Cl.  
**C07D 241/18** ( 2006.01 )  
**A61K 31/497** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 241/20** ( 2006.01 )  
**C07D 403/04** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2021277664  
**(72)** Ashutosh Jogalekar; Walter Won; Elena S. Koltun; Adrian Gill; Kevin Mellem; Naing Aay; Andreas Buckl; Christopher Semko; Gert Kiss  
**(74)** Griffith Hack

**(71)** Ritchie, V.  
**(11)** AU-A-2022203310  
**(21)** 2022203310 **(22)** 17.05.2022

Applications Open to Public Inspection - Name Index cont'd

(54) EquinX is an application (app) for iOS (Apple devices) and Android devices. Primarily for mobile phone usage however, it can be used on other devices such as tablets. The person downloads and installs the app for the purpose of buying and selling horses. The App will list all available horses in an easy user-friendly way, which will simplify the process of buying and selling horses within Australia.

(51) Int. Cl.  
**G06Q 50/00** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06Q 30/06** ( 2012.01 )

(43) 07.12.2023  
 (72) Ritchie, Victoria  
 (74) Victoria Ritchie

(71) RMI OCEANIA PTY LTD

(11) AU-A-2023266296  
 (21) 2023266296 (22) 15.11.2023

(54) Diagnostic Imaging System

(51) Int. Cl.  
**G05B 19/045** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**B25J 9/06** ( 2006.01 )  
**B25J 9/10** ( 2006.01 )  
**B25J 9/16** ( 2006.01 )  
**B25J 13/08** ( 2006.01 )  
**B25J 19/00** ( 2006.01 )

(43) 07.12.2023  
 (62) 2022331922  
 (72) Ajay Kumar PANDEY; Davide FONTANAROSA; Maria ANTICO; Mario STRYDOM  
 (74) Michael Buck IP

(71) Rose Acre Farms, Inc.; Johns, P.

(11) AU-A-2023270270  
 (21) 2023270270 (22) 22.11.2023

(54) Egg food product and method of making an egg food product

(51) Int. Cl.  
**A23L 7/109** ( 2016.01 )  
**A21C 11/16** ( 2006.01 )  
**A23L 5/10** ( 2016.01 )

(43) 07.12.2023  
 (62) 2018240191  
 (72) Peggy D. Johns; Steve Amundson  
 (74) Griffith Hack

(71) Royal Bank of Canada

(11) AU-A-2023266267  
 (21) 2023266267 (22) 14.11.2023

(54) Systems for processing electronic transactions

(51) Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )

(43) 07.12.2023  
 (62) 2021203226  
 (72) Timothy Dean MCGAUGH; Edison U ORTIZ; Terry LEE; Jeremy BORN-STEIN  
 (74) FB Rice Pty Ltd

(71) S.C.R. (Engineers) Limited

(11) AU-A-2023266305  
 (21) 2023266305 (22) 15.11.2023

(54) An animal tag

(51) Int. Cl.  
**A01K 11/00** ( 2006.01 )  
**A01K 29/00** ( 2006.01 )

(43) 07.12.2023  
 (62) 2021291807  
 (72) Mordehay COHEN; Taras KHOMITSKY; Samy HAZAN

(74) Spruson & Ferguson

(71) Sahajanand Medical Technologies Limited

(11) AU-A-2022331908  
 (21) 2022331908 (22) 16.06.2022

(54) Implant detachment mechanism

(51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
 (31) 202221028620 (32) 18.05.22 (33) IN  
 (43) 07.12.2023

(72) SINGHVI, Abhijeet; SOLANKI, Chirag Maheshbhai; PANDEY, Shivanshu; MUNJANI, Akashkumar Ashokbhai; VASHISHT, Isha

(74) Spruson & Ferguson

(71) Sahajanand Medical Technologies Limited

(11) AU-A-2022331909  
 (21) 2022331909 (22) 01.07.2022

(54) Percutaneous catheter system for implant delivery

(51) Int. Cl.  
**A61F 2/24** ( 2006.01 )

(31) 202221028378 (32) 17.05.22 (33) IN  
 (43) 07.12.2023

(72) SOLANKI, Chirag Maheshbhai; SINGHVI, Abhijeet; PANDEY, Shivanshu

(74) Spruson & Ferguson

(71) Sarcos Corp.

(11) AU-A-2023266368  
 (21) 2023266368 (22) 17.11.2023

(54) SYSTEM AND METHODS FOR EARLY DETECTION OF NON-BIOLOGICAL MOBILE AERIAL TARGET

(51) Int. Cl.  
**G06V 10/62** ( 2022.01 )  
**G06T 7/11** ( 2017.01 )  
**G06T 7/215** ( 2017.01 )  
**G06V 20/17** ( 2022.01 )

(43) 07.12.2023  
 (62) 2021277144  
 (72) Fraser M. Smith  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Sarudbhava Formulations Private Limited

(11) AU-A-2023266295  
 (21) 2023266295 (22) 15.11.2023

(54) Therapeutic topical compositions of apremilast

(51) Int. Cl.  
**A61K 9/00** ( 2006.01 )

**A61Q 19/00** ( 2006.01 )

(43) 07.12.2023  
 (62) 2018213249  
 (72) Venkata Nookaraju SREEDHARALA  
 (74) FB Rice Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202543  
 (21) 2023202543 (22) 27.04.2023

(54) CONTROL ASSEMBLY FOR DIMMING, DIMMING DEVICE AND LIGHTING SYSTEM

(51) Int. Cl.  
**H05B 45/36** ( 2020.01 )  
**H05B 45/10** ( 2020.01 )  
**H05B 45/56** ( 2020.01 )  
**H05B 47/10** ( 2020.01 )

(31) 202221229253.2 (32) 18.05.22 (33) CN

(43) 07.12.2023  
 (72) Lu, Yin  
 (74) Madderns Pty Ltd

(71) SHUKLA, A.

(11) AU-A-2022203379  
 (21) 2022203379 (22) 18.05.2022

(54) SMALL GROUP BROADCAST VIA PHONE OR CAMERA ---"TECH-NOCAST"--BROADCAST TECHNOLOGY VIA PHONE OR CAMERA FOR SMALL GROUP

(51) Int. Cl.  
**H04H 20/53** ( 2008.01 )  
**G06Q 99/00** ( 2006.01 )

(43) 07.12.2023  
 (72) SHUKLA, Amit Rajnikant  
 (74) AMIT R SHUKLA

(71) Snap-on Incorporated

(11) AU-A-2023203047  
 (21) 2023203047 (22) 16.05.2023

(54) Gaiter with coupling

(51) Int. Cl.  
**A41D 13/08** ( 2006.01 )

(31) 17/748,801 (32) 19.05.22 (33) US  
 (43) 07.12.2023  
 (72) ANDERSEN, Jonathan I.  
 (74) Griffith Hack

(71) Snap-on Incorporated

(11) AU-A-2023266312  
 (21) 2023266312 (22) 15.11.2023

(54) METHOD OF BRAKING A POWER TOOL

(51) Int. Cl.  
**H02P 3/04** ( 2006.01 )  
**H02K 11/20** ( 2016.01 )  
**H02P 6/04** ( 2016.01 )

(43) 07.12.2023  
 (62) 2021273535  
 (72) Michael RAJZER; Jason GENZ  
 (74) Griffith Hack

(71) Snap-on Incorporated

(11) AU-A-2023266364  
 (21) 2023266364 (22) 16.11.2023

Applications Open to Public Inspection - Name Index cont'd

(54) Wireless torque wrench with torque specifications

(51) Int. Cl.  
**G01L 5/24** ( 2006.01 )  
**B25B 21/00** ( 2006.01 )  
**B25B 23/147** ( 2006.01 )

(43) 07.12.2023  
(62) 2021225146  
(72) Jerry A. KING; Nathan J. LEE; Christopher LAWTON  
(74) Griffith Hack

(71) Snap-On Incorporated  
(11) AU-A-2023203093  
(21) 2023203093 (22) 17.05.2023  
(54) Systems, tool storage units, and methods for providing electrical power

(51) Int. Cl.  
**H02J 50/20** ( 2016.01 )  
**H01Q 1/27** ( 2006.01 )  
**H01Q 1/46** ( 2006.01 )  
**H02J 5/00** ( 2016.01 )  
**H02J 7/02** ( 2016.01 )  
**H02J 50/10** ( 2016.01 )  
**H02J 50/40** ( 2016.01 )  
(31) 17/750,285 (32) 20.05.22 (33) US  
(43) 07.12.2023  
(72) GABBEY, Nicholas A.; KUTER-ARNEBECK, Ottolero  
(74) Spruson & Ferguson

(71) Sonos, Inc.  
(11) AU-A-2023266275  
(21) 2023266275 (22) 15.11.2023  
(54) Systems and methods for selective wake word detection using neural network models  
(51) Int. Cl.  
**G10L 15/26** ( 2006.01 )  
(43) 07.12.2023  
(62) 2019299865  
(72) Joachim FAINBERG; Daniele GIACOBELLO; Klaus HARTUNG  
(74) Spruson & Ferguson

**South Dakota State University see Idaho Milk Products**  
(21) 2023266366

**Stensen Orthopedic Systems, LLC see Microport Orthopedics Holdings Inc.**  
(21) 2023202862

(71) Stryker Corporation  
(11) AU-A-2023266336  
(21) 2023266336 (22) 16.11.2023  
(54) System and method of controlling a robotic system for manipulating anatomy of a patient during a surgical procedure  
(51) Int. Cl.  
**A61B 34/00** ( 2016.01 )  
**A61G 13/12** ( 2006.01 )  
**A61G 13/00** ( 2006.01 )

(43) 07.12.2023  
(62) 2021212127  
(72) Donald W. Malackowski; Douglas A. Staunton  
(74) Davies Collison Cave Pty Ltd

(71) Stryker European Operations Limited  
(11) AU-A-2023263530  
(21) 2023263530 (22) 10.11.2023  
(54) Electrosurgical electrode and electrosurgical tool for conveying electrical energy

(51) Int. Cl.  
**A61B 18/12** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
(43) 07.12.2023  
(62) 2020284507  
(72) Kevin BUCKLEY; Gerard NUNAN; Kevin MANLEY; Scott MCFARLAND; Micheal BURKE  
(74) Davies Collison Cave Pty Ltd

(71) Syedain, Z.; Tranquillo, R.  
(11) AU-A-2023265966  
(21) 2023265966 (22) 13.11.2023  
(54) PROSTHETIC VALVES AND METHODS OF MAKING  
(51) Int. Cl.  
**A61F 2/06** ( 2013.01 )  
**A61F 2/24** ( 2006.01 )  
**B29C 53/08** ( 2006.01 )  
**B29C 53/36** ( 2006.01 )  
**B29L 23/00** ( 2006.01 )  
(43) 07.12.2023  
(62) 2018249598  
(72) Robert Tranquillo; Zeeshan Syedain  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Taiwan Liposome Co., Ltd.; TLC Biopharmaceuticals, Inc.  
(11) AU-A-2023266253  
(21) 2023266253 (22) 14.11.2023  
(54) Sustained-Release Anesthetic Compositions And Methods Of Preparation Thereof  
(51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/107** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )

(43) 07.12.2023  
(62) 2018323436  
(72) Keelung HONG; Hao-Wen KAO; Yi-Yu LIN; Luke S.s. GUO  
(74) WRAYS PTY LTD

(71) Tata Consultancy Services Limited  
(11) AU-A-2023203157  
(21) 2023203157 (22) 19.05.2023  
(54) METHOD AND SYSTEM FOR EXTRACTING AND COLLATING FAILURE KNOWLEDGE FROM DIVERSE SOURCES IN INDUSTRIAL PLANT  
(51) Int. Cl.  
**G06N 5/025** ( 2023.01 )  
**G06F 16/00** ( 2019.01 )

**G06N 3/09** ( 2023.01 )  
(31) 202221029275 (32) 20.05.22 (33) IN  
(43) 07.12.2023  
(72) GADUPARTHI, Trinath; RATH, Purnendu Kumar; SHAH, Sapankumar Hiteshchandra; REDDY, Sreedhar Sannareddy; BASAVARSU, Purushotham Gautham; NIRGUDKAR, Himanshu  
(74) Collison & Co

(71) Tata Consultancy Services Limited  
(11) AU-A-2023203193  
(21) 2023203193 (22) 22.05.2023  
(54) Methods and systems for autonomous task composition of vision pipelines using an algorithm selection framework  
(51) Int. Cl.

**G06V 10/94** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )  
**G06V 10/96** ( 2022.01 )  
**G06N 3/0455** ( 2023.01 )  
**G06N 3/0464** ( 2023.01 )  
**G06T 1/20** ( 2006.01 )  
**G06V 10/30** ( 2022.01 )  
**G06V 10/80** ( 2022.01 )  
(31) 202221029279 (32) 20.05.22 (33) IN  
(43) 07.12.2023  
(72) Roy Choudhury, Abhishek; Vatsal, Vignesh; Rangarajan, Mahesh; Basa Anitha, Naveen Kumar; Kapoor, Aditya; Gubbi Lakshminarasimha, Jayavardhana Rama; Saravanan, Aravindhan; Sengar, Vartika; Purushothaman, Balamuralidhar; Pal, Arpan; George, Nijil  
(74) IP SOLVED (ANZ) PTY. LTD.

(71) Techtronic Cordless GP  
(11) AU-A-2023201962  
(21) 2023201962 (22) 30.03.2023  
(54) BATTERY PACK AND CHARGER  
(51) Int. Cl.  
**H01M 10/44** ( 2006.01 )  
**G01R 31/36** ( 2020.01 )  
**H01M 10/48** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
(31) 63/344,295 (32) 20.05.22 (33) US  
63/354,974 23.06.22 US  
(43) 07.12.2023  
(72) Loebig, Jeff; NG, Wing Leung; LIN, Qiang Qun; LI, Jin  
(74) Spruson & Ferguson

(71) Techtronic Cordless GP  
(11) AU-A-2023202871  
(21) 2023202871 (22) 09.05.2023  
(54) Robotic garden tool with blade height adjustment  
(51) Int. Cl.  
**A01D 34/74** ( 2006.01 )  
**B23D 45/02** ( 2006.01 )  
**B23D 47/08** ( 2006.01 )  
**B23D 47/12** ( 2006.01 )  
(31) 17/929,248 (32) 01.09.22 (33) US  
63/343,386 18.05.22 US  
(43) 07.12.2023  
(72) LAI, Hok Sum Sam; NG, Ho Lam; WANG, Li Feng; HU, Yong  
(74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- 
- (71) Techtronic Cordless GP  
 (11) AU-A-2023202883  
 (21) 2023202883 (22) 09.05.2023  
 (54) Battery support and battery assembly  
 (51) Int. Cl.  
*H01M 10/655* ( 2014.01 )  
*H01M 50/204* ( 2021.01 )  
 (31) 202210556989.9 (32) 20.05.22 (33) CN  
 (43) 07.12.2023  
 (72) LEE, Hei Man; WANG, Nan; WANG, Li Feng  
 (74) Spruson & Ferguson
- 
- (71) Techtronic Cordless GP  
 (11) AU-A-2023202884  
 (21) 2023202884 (22) 09.05.2023  
 (54) Retaining component, battery assembly and end structure for battery assembly  
 (51) Int. Cl.  
*H01M 50/543* ( 2021.01 )  
*H01M 50/531* ( 2021.01 )  
 (31) 202210557151.1 (32) 20.05.22 (33) CN  
 (43) 07.12.2023  
 (72) LEE, Hei Man; WANG, Nan; WANG, Li Feng  
 (74) Spruson & Ferguson
- 
- (71) Techtronic Cordless GP  
 (11) AU-A-2023203078  
 (21) 2023203078 (22) 17.05.2023  
 (54) Cap assembly, method for making its connector, and battery with this cap assembly  
 (51) Int. Cl.  
*H01R 13/53* ( 2006.01 )  
*H01M 50/107* ( 2021.01 )  
*H01M 50/147* ( 2021.01 )  
*H01M 50/152* ( 2021.01 )  
*H01M 50/30* ( 2021.01 )  
*H01M 50/358* ( 2021.01 )  
*H01R 13/02* ( 2006.01 )  
 (31) 202210557033.0 (32) 20.05.22 (33) CN  
 (43) 07.12.2023  
 (72) LI, Kun; LIN, Guang Peng  
 (74) Spruson & Ferguson
- 
- (71) TEKION CORP  
 (11) AU-A-2023266277  
 (21) 2023266277 (22) 15.11.2023  
 (54) METADATA TAG AUTO-APPLICATION TO POSTED ENTRIES  
 (51) Int. Cl.  
*G06F 16/28* ( 2019.01 )  
*G06F 16/245* ( 2019.01 )  
*G06N 5/04* ( 2023.01 )  
*G06N 20/00* ( 2019.01 )  
 (43) 07.12.2023  
 (62) 2022218670  
 (72) Satyavrat MUDGIL; Anant SITARAM  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) The Board of Trustees of the Leland Stanford Junior University  
 (11) AU-A-2023266367  
 (21) 2023266367 (22) 17.11.2023  
 (54) Methods for manipulating phagocytosis mediated by CD74  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021240137  
 (72) Siddhartha JAISWAL; Irving, L. WEISSMAN; Catriona, Helen, M. JAMIESON; Ravindra MAJETI  
 (74) FB Rice Pty Ltd
- 
- (71) The Boeing Company  
 (11) AU-A-2023202980  
 (21) 2023202980 (22) 12.05.2023  
 (54) Hybrid-computing resource optimization  
 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
*G06F 11/30* ( 2006.01 )  
*G06F 15/80* ( 2006.01 )  
*G06N 10/00* ( 2022.01 )  
*G06N 10/80* ( 2022.01 )  
 (31) 17/664,063 (32) 19.05.22 (33) US  
 (43) 07.12.2023  
 (72) THOMPSON, Richard Joel; NGUYEN, Nam Hoang; WILLIAMS, Kristen Smith; KAGELE, Marna; LOWELL, John R.  
 (74) Spruson & Ferguson
- 
- (71) The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services  
 (11) AU-A-2023255035  
 (21) 2023255035 (22) 27.10.2023  
 (54) Development of dengue virus vaccine components  
 (51) Int. Cl.  
*C12N 7/00* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021202950  
 (72) WHITEHEAD, Stephen S.; BLANEY, Joseph E.; MURPHY, Brian R.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) The Johns Hopkins University  
 (11) AU-A-2023266246  
 (21) 2023266246 (22) 14.11.2023  
 (54) Compositions and methods comprising improvements of CRISPR guide RNAs using the H1 promoter  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 38/46* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C12N 9/16* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12N 15/85* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2017292667  
 (72) Vinod JASKULA-RANGA; Donald ZACK; Derek S. WELSBIE  
 (74) FB Rice Pty Ltd
- 
- (71) The Trustees of the University of Pennsylvania; Novartis AG  
 (11) AU-A-2023263532  
 (21) 2023263532 (22) 10.11.2023  
 (54) Buffers for stabilization of lentiviral preparations  
 (51) Int. Cl.  
*C12N 7/02* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2021203566  
 (72) Amitabha DEB; Eugene NEBELITSKY; Vladimir SLEPUSHKIN  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Tisento Therapeutics Inc.  
 (11) AU-A-2023270267  
 (21) 2023270267 (22) 22.11.2023  
 (54) Treatment of CNS diseases with sGC stimulators  
 (51) Int. Cl.  
*A61K 31/437* ( 2006.01 )  
*A61K 31/5025* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
 (43) 07.12.2023  
 (62) 2017359018  
 (72) Joon Jung; Thomas Wai-Ho Lee; Rajesh R. Iyengar; Nicholas Robert Peri; Peter Germano; Maria D. Ribadeneira; Kim Tang  
 (74) Griffith Hack
- 
- TLC Biopharmaceuticals, Inc. see Taiwan Liposome Co., Ltd.**  
 (21) 2023266253
- 
- (71) Tompkins Robotics, Inc.  
 (11) AU-A-2023266351  
 (21) 2023266351 (22) 16.11.2023  
 (54) PARCEL AND ARTICLE SORTING SYSTEM AND METHOD WITH DESTINATION CONTAINER REMOVAL  
 (51) Int. Cl.  
*B07C 3/18* ( 2006.01 )  
*B07C 3/00* ( 2006.01 )  
*B65G 1/04* ( 2006.01 )  
*B65G 1/137* ( 2006.01 )  
*G05B 19/418* ( 2006.01 )  
*G06Q 10/08* ( 2023.01 )  
 (43) 07.12.2023  
 (62) 2019336614  
 (72) Michael C. FUTCH; James M. SERSTAD  
 (74) RnB IP Pty Ltd
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- Tranquillo, R. see Syedain, Z.**  
 (21) 2023265966
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- (71) Transform Materials LLC  
 (11) AU-A-2023270208  
 (21) 2023270208 (22) 21.11.2023  
 (54) SYSTEMS AND METHODS FOR PROCESSING GASES  
 (51) Int. Cl.  
*C07C 2/74* ( 2006.01 )

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**C07C 2/00** ( 2006.01 )  
**C07C 7/09** ( 2006.01 )  
**C07C 7/11** ( 2006.01 )  
**C07C 7/144** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2019325589  
**(72)** David S. SOANE; James Nathan ASH-CRAFT; Jason Samuel HUMMELT; Mark Ellis SODERHOLM; Mathew LEEDS; Alexander Olson SANTANA; Matthew Elijah O'REILLY  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Treace Medical Concepts, Inc.  
**(11)** AU-A-2023266377  
**(21)** 2023266377 **(22)** 17.11.2023  
**(54)** Bone positioning and preparing guide systems and methods  
**(51)** Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 17/60** ( 2006.01 )  
**A61B 17/84** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
**A61F 5/14** ( 2022.01 )  
**(43)** 07.12.2023  
**(62)** 2021218092  
**(72)** Robert D. Santrock; Paul Dayton; Daniel J. Hatch; W. Bret Smith; F. Barry Bays; Carlos Eduardo Gil; Sean F. Scanlan; Joe William Ferguson; John T. Treace  
**(74)** Griffith Hack

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**(71)** TuSimple, Inc.  
**(11)** AU-A-2023266229  
**(21)** 2023266229 **(22)** 13.11.2023  
**(54)** Data-driven prediction-based system and method for trajectory planning of autonomous vehicles  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**(43)** 07.12.2023  
**(62)** 2018330031  
**(72)** Xing SUN; Wutu LIN; Liu LIU; Kai-Chieh MA; Zijie XUAN; Yufei ZHAO  
**(74)** FB Rice Pty Ltd

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**(71)** Unison Industries, LLC  
**(11)** AU-A-202224828  
**(21)** 202224828 **(22)** 02.09.2022  
**(54)** AIR TURBINE STARTER WITH DECOUPLER  
**(51)** Int. Cl.  
**F02C 7/277** ( 2006.01 )  
**F02C 7/32** ( 2006.01 )  
**F02C 7/36** ( 2006.01 )  
**F16D 9/08** ( 2006.01 )  
**(31)** 202211029491 **(32)** 23.05.22 **(33)** IN  
**(43)** 07.12.2023  
**(72)** Dev Mahadevaiah, Narendra; Patil, Sharad Pundlik; Tripathi, Pallavi; Nayak, Subrata; Dhabade, Milind Chandrakant; Meyers, Shiloh Montgomery; Dranschak, David Allan  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** University of Virginia Patent Foundation, d/b/a University of Virginia Licensing and Ventures Group  
**(11)** AU-A-2023266248  
**(21)** 2023266248 **(22)** 14.11.2023  
**(54)** System, method, and computer readable medium for a basal rate profile adaptation algorithm for closed-loop artificial pancreas systems  
**(51)** Int. Cl.  
**A61M 5/172** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2018221048  
**(72)** Stephen D. Patek; Jonathan Hughes  
**(74)** Griffith Hack

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**Vallourec Oil and Gas France see Nippon Steel Corporation**  
**(21)** 2023266308

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**(71)** VGP IPCO LLC  
**(11)** AU-A-2023266272  
**(21)** 2023266272 **(22)** 14.11.2023  
**(54)** COMPOSITION FOR USE IN CLEANING METAL COMPONENTS  
**(51)** Int. Cl.  
**C11D 7/50** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2022209330  
**(72)** Jacob BONTA  
**(74)** Griffith Hack

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**(71)** ViaSat, Inc.  
**(11)** AU-A-2023263520  
**(21)** 2023263520 **(22)** 09.11.2023  
**(54)** BROADBAND SATELLITE COMMUNICATION SYSTEM USING OPTICAL FEEDER LINKS  
**(51)** Int. Cl.  
**H04B 10/118** ( 2013.01 )  
**(43)** 07.12.2023  
**(62)** 2021215219  
**(72)** Aaron Mendelsohn  
**(74)** Adams Pluck

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**(71)** W. L. Gore & Associates, Inc.  
**(11)** AU-A-2023266334  
**(21)** 2023266334 **(22)** 16.11.2023  
**(54)** Continuous tethered tissue anchor and associated systems and methods  
**(51)** Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61B 17/06** ( 2006.01 )  
**A61L 17/00** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2020268426  
**(72)** Patrick S. YOUNG  
**(74)** Griffith Hack

**(71)** Walmart Apollo, LLC  
**(11)** AU-A-2023270265  
**(21)** 2023270265 **(22)** 22.11.2023  
**(54)** Automated retail supply chain and inventory management system  
**(51)** Int. Cl.  
**G06Q 10/08** ( 2023.01 )  
**B65G 1/04** ( 2006.01 )  
**B65G 1/137** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2017366895  
**(72)** John G. Lert Jr.; William J. Fosnight  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Xard Group Pty Ltd  
**(11)** AU-A-2023266392  
**(21)** 2023266392 **(22)** 17.11.2023  
**(54)** DIGITAL TRANSACTION SYSTEM AND METHOD WITH A VIRTUAL COMPANION CARD  
**(51)** Int. Cl.  
**G06Q 20/10** ( 2012.01 )  
**G06K 19/06** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )  
**G06Q 20/30** ( 2012.01 )  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**(43)** 07.12.2023  
**(62)** 2017383091  
**(72)** Robert Wilson  
**(74)** AUSTRALASIA IP PTY LTD

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**(71)** Yakima Australia Pty Limited  
**(11)** AU-A-2023266262  
**(21)** 2023266262 **(22)** 14.11.2023  
**(54)** Truck-Mountable Cargo Rack  
**(51)** Int. Cl.  
**B60R 9/058** ( 2006.01 )  
**B60P 3/06** ( 2006.01 )  
**B60R 9/052** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2023202382  
**(72)** David Condon; Ashley Hoch; Warren E. Stoneburner  
**(74)** Michael Buck IP

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**(71)** Ynsect  
**(11)** AU-A-2023266260  
**(21)** 2023266260 **(22)** 14.11.2023  
**(54)** Therapeutic uses of an insect powder  
**(51)** Int. Cl.  
**A61K 35/64** ( 2015.01 )  
**A23K 50/80** ( 2016.01 )  
**A23L 33/10** ( 2016.01 )  
**A61P 31/04** ( 2006.01 )  
**(43)** 07.12.2023  
**(62)** 2018208794  
**(72)** Constant Motte; Benjamin Armenjon; Antoine Hubert; Nathalie Berezina  
**(74)** Griffith Hack

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**(71)** Ynsect; Cargill, Incorporated  
**(11)** AU-A-2023266263  
**(21)** 2023266263 **(22)** 14.11.2023  
**(54)** GEL COMPRISING A LIQUID COPRODUCT FROM AGRO-INDUSTRY

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**A23N 17/00** ( 2006.01 )  
**A23K 10/38** ( 2016.01 )  
**A23K 40/20** ( 2016.01 )  
**A23K 50/90** ( 2016.01 )
- (43) 07.12.2023  
(62) 2017385720
- (72) Solene COMPARAT; Loïc CLESSE;  
Thibault DU JONCHAY; Thomas LE-  
FEBVRE; Fabrice BERRO; Nathalie  
BEREZINA; Clementine SEGUIM-  
BRAUD; Fanny PEYRICHOU; Myriem  
BOUZIANE; Benedicte LORRETTE
- (74) Griffith Hack
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- (71) Yokogawa Electric Corporation  
(11) AU-A-2023202804  
(21) 2023202804 (22) 05.05.2023  
(54) SYSTEMS, METHODS, AND DEVICES  
FOR OPTIMIZATION OF ULTRA FIL-  
TRATION MEMBRANE PERFORM-  
ANCE FOR WATER TREATMENT US-  
ING ARTIFICIAL INTELLIGENCE AND  
OPTIMIZATION ALGORITHMS
- (51) Int. Cl.  
**G05B 13/04** ( 2006.01 )  
**B01D 65/02** ( 2006.01 )  
**B01D 65/10** ( 2006.01 )  
**G05B 17/02** ( 2006.01 )  
**G05B 19/02** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )
- (31) 17/749,814 (32) 20.05.22 (33) US  
(43) 07.12.2023  
(72) FARAMARZI, Mahdi; SIVAPRAKASAM,  
Gokula Krishnan; GHOSH, Kaushik;  
MATSUI, Yasuhiro
- (74) Dentons Patent Attorneys Australasia  
Limited

- (71) Zhejiang Orient Gene Biotech Co., Ltd  
(11) AU-A-2023201301  
(21) 2023201301 (22) 02.03.2023  
(54) TEST DEVICE FOR ANALYTE IN A  
FLUID SAMPLE
- (51) Int. Cl.  
**G01N 33/52** ( 2006.01 )
- (31) 2022105647065 (32) 23.05.22 (33) CN  
2022106085309 31.05.22 CN  
63/352,036 14.06.22 US  
2208268.9 06.06.22 GB
- (43) 07.12.2023  
(72) FANG, Jianqiu; LEI, Siyu; ZHANG, Hua  
(74) Baxter Patent Attorneys Pty Ltd
- 
- (71) Zoetis Services LLC  
(11) AU-A-2023270256  
(21) 2023270256 (22) 22.11.2023  
(54) SIGNAL AMPLIFICATION IN PLAS-  
MONIC SPECIFIC-BINDING PARTNER  
ASSAYS
- (51) Int. Cl.  
**G01N 33/553** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C40B 40/10** ( 2006.01 )
- (43) 07.12.2023  
(62) 2021202253  
(72) Rajesh K. Mehra; Kenneth P. Aron; Vin-  
cent Chiang; Asher Krell
- (74) Pizzeyes Patent and Trade Mark Attor-  
neys Pty Ltd

- (71) Zavargé Pty Ltd  
(11) AU-A-2023266387  
(21) 2023266387 (22) 17.11.2023  
(54) Improvements in Bedding including  
Push-Pin Securing Assembly
- (51) Int. Cl.  
**A47G 9/02** ( 2006.01 )
- (43) 07.12.2023  
(62) 2018295575  
(72) Shane SAVAGE  
(74) Wallington-Dummer

- (71) ZETR Pty Ltd  
(11) AU-A-2022203459  
(21) 2022203459 (22) 20.05.2022  
(54) Modular power and/or data system
- (51) Int. Cl.  
**H02G 3/08** ( 2006.01 )  
**H02B 1/06** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
**H05K 5/04** ( 2006.01 )  
**H05K 7/02** ( 2006.01 )  
**H05K 7/06** ( 2006.01 )  
**H05K 7/14** ( 2006.01 )  
**H05K 1/02** ( 2006.01 )
- (43) 07.12.2023  
(72) Elliott, Garth; Romano, Joseph  
(74) FB Rice Pty Ltd



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<b>2022203426</b>	OXTI Pte Ltd	<b>2023255035</b>	The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services
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<b>2022203459</b>	ZETR Pty Ltd	<b>2023258376</b>	Leidos, Inc.
<b>2022204442</b>	Follea International	<b>2023258448</b>	King's College London; Icahn School of Medicine at Mount Sinai
<b>2022211818</b>	Ningbo Wentai Sport Equipment Co., Ltd.	<b>2023263516</b>	Netflix, Inc.
<b>2022211820</b>	RAPSODO PTE. LTD.	<b>2023263518</b>	Editas Medicine, Inc.
<b>2022211821</b>	RAPSODO PTE. LTD.	<b>2023263519</b>	Novartis AG
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<b>2022231750</b>	Hubei Yimu Electronic Technology Co., Ltd.	<b>2023263521</b>	Angel Group Co., Ltd.
<b>2022331908</b>	Sahajanand Medical Technologies Limited	<b>2023263526</b>	Case Western Reserve University
<b>2022331909</b>	Sahajanand Medical Technologies Limited	<b>2023263530</b>	Stryker European Operations Limited
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<b>2023202387</b>	H-TEC Systems GmbH	<b>2023266223</b>	Hanwha Azdel, Inc.
<b>2023202411</b>	HONEYWELL INTERNATIONAL INC.	<b>2023266224</b>	Koninklijke Douwe Egberts B.V.
<b>2023202449</b>	Heraeus Medical GmbH	<b>2023266229</b>	TuSimple, Inc.
<b>2023202523</b>	CATERPILLAR INC.	<b>2023266232</b>	Dellas, J.
<b>2023202528</b>	CATERPILLAR INC.	<b>2023266233</b>	Janssen Biotech, Inc.
<b>2023202543</b>	Schneider Electric Industries SAS	<b>2023266234</b>	Colgate-Palmolive Company
<b>2023202555</b>	HONEYWELL INTERNATIONAL INC.	<b>2023266235</b>	Munters Corporation
<b>2023202559</b>	CATERPILLAR INC.	<b>2023266236</b>	MGI Tech Co., Ltd.
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<b>2023203063</b>	Board of Regents of the Nevada System of Higher Education, on behalf of the University of Nevada, Reno	<b>2023266267</b>	Royal Bank of Canada
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<b>2023203109</b>	AREA52 LTD	<b>2023266278</b>	Novartis AG
<b>2023203110</b>	Fachlabor Dr. W. Klee für grazile Kieferorthopädie GmbH	<b>2023266279</b>	Gilead Sciences, Inc.
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<b>A01G 13 /-</b> 2023201909	<b>A24F 40 /-</b> 2023270189	<b>A61B 8 /-</b> 2023266296		<b>A61P 43 /-</b> 2023266341	<b>B01F 35 /-</b> 2023202449
<b>A01G 17 /-</b> 2023203138	<b>A41D 13 /-</b> 2023203047	<b>A61B 90 /-</b> 2023266355	<b>A61K 48 /-</b> 2023263518 2023266246	<b>A61P 9 /-</b> 2023266256 2023266287	<b>B01L 3 /-</b> 2023266294
<b>A01G 18 /-</b> 2023266307	<b>A42B 3 /-</b> 2022203426	<b>A61C 17 /-</b> 2023266234	<b>A61K 9 /-</b> 2023248053 2023266233 2023266240 2023266253 2023266278 2023266295	<b>A61Q 19 /-</b> 2023266295	<b>B07C 3 /-</b> 2023266351
<b>A01G 31 /-</b> 2023266310	<b>A44B 19 /-</b> 2022203366	<b>A61C 7 /-</b> 2023203110		<b>A62C 3 /-</b> 2023203063	<b>B23D 45 /-</b> 2023202871
<b>A01G 9 /-</b> 2023203138 2023266310	<b>A44C 21 /-</b> 2023266386	<b>A61D 13 /-</b> 2023266283	<b>A61D 13 /-</b> 2023266283	<b>A62C 37 /-</b> 2023203063	<b>B23D 47 /-</b> 2023202871
<b>A01H 5 /-</b> 2023241326	<b>A45C 11 /-</b> 2022203366	<b>A61F 2 /-</b> 2022331908 2022331909 2023202862 2023265966 2023266313 2023266358	<b>A61L 17 /-</b> 2023266334	<b>A62C 99 /-</b> 2023203063	<b>B23P 17 /-</b> 2023270261
<b>A01K 11 /-</b> 2023266305	<b>A45C 13 /-</b> 2022203366		<b>A61L 2 /-</b> 2022203427	<b>A63B 102 /-</b> 2022211820 2022211821 2023270261	<b>B25B 21 /-</b> 2023266364
<b>A01K 29 /-</b> 2023266305	<b>A45D 29 /-</b> 2023263533	<b>A61F 5 /-</b> 2023266377	<b>A61M 1 /-</b> 2023266248		<b>B25B 23 /-</b> 2023266364
<b>A01N 37 /-</b> 2023266374	<b>A45D 31 /-</b> 2023263533	<b>A61F 9 /-</b> 2022203426	<b>A61M 31 /-</b> 2023266255	<b>A63B 22 /-</b> 2023203261	<b>B25J 13 /-</b> 2023266296
<b>A01N 43 /-</b> 2023266374	<b>A46B 15 /-</b> 2023266234	<b>A61G 13 /-</b> 2023266336	<b>A61M 5 /-</b> 2023266248 2023270272	<b>A63B 24 /-</b> 2022211820 2022211821 2023203261	<b>B25J 19 /-</b> 2023266296
<b>A21C 11 /-</b> 2023270270	<b>A47C 7 /-</b> 2022203426 2022203427	<b>A61K 31 /-</b> 2023263519 2023266253 2023266254 2023266256 2023266257 2023266278 2023266279 2023266287 2023266354 2023266357 2023266363 2023266384 2023270189 2023270267	<b>A61N 5 /-</b> 2023270215	<b>A63B 53 /-</b> 2023270261	<b>B25J 9 /-</b> 2023263526 2023266296
<b>A22C 29 /-</b> 2023203109	<b>A47F 9 /-</b> 2023202010		<b>A61P 1 /-</b> 2023265759 2023266287	<b>A63B 60 /-</b> 2023270261	<b>B29C 53 /-</b> 2023265966
<b>A23C 9 /-</b> 2023266366	<b>A47G 9 /-</b> 2022203426 2023266387	<b>A61K 31 /-</b> 2023263519 2023266253 2023266254 2023266256 2023266257 2023266278 2023266279 2023266287 2023266354 2023266357 2023266363 2023266384 2023270189 2023270267	<b>A61P 19 /-</b> 2023266287	<b>A63B 63 /-</b> 2022211820 2022211821	<b>B29C 64 /-</b> 2023266347
<b>A23K 10 /-</b> 2023266263	<b>A47J 31 /-</b> 2023266224		<b>A61P 21 /-</b> 2023266256	<b>A63C 17 /-</b> 2023203113	<b>B29D 11 /-</b> 2023266347
<b>A23K 20 /-</b> 2023266348	<b>A47L 15 /-</b> 2023258351	<b>A61K 31 /-</b> 2023263519 2023266253 2023266254 2023266256 2023266257 2023266278 2023266279 2023266287 2023266354 2023266357 2023266363 2023266384 2023270189 2023270267	<b>A61P 25 /-</b> 2023270267		<b>B29L 23 /-</b> 2023265966
<b>A23K 40 /-</b> 2023266263	<b>A61B 1 /-</b> 2023266283	<b>A61K 35 /-</b> 2023266260 2023270193	<b>A61P 3 /-</b> 2023266257 2023266287 2023266354	<b>A63F 1 /-</b> 2023263521 2023266386	<b>B31B 110 /-</b> 2023266265
<b>A23K 50 /-</b> 2023266260 2023266263	<b>A61B 17 /-</b> 2023202449 2023202862 2023266298 2023266334 2023266355 2023266377		<b>A61P 31 /-</b> 2023266260 2023266270 2023266279	<b>A63F 11 /-</b> 2023202960 2023266386	<b>B31B 120 /-</b> 2023266265
<b>A23L 2 /-</b> 2023266307	<b>A61B 18 /-</b> 2023263530	<b>A61K 38 /-</b> 2023266233 2023266240 2023266246 2023270216		<b>A63F 13 /-</b> 2023266315 2023266381 2023266390 2023270250	<b>B31B 50 /-</b> 2023266265
<b>A23L 33 /-</b> 2023266260 2023266348	<b>A61B 34 /-</b> 2023202862 2023266336	<b>A61K 39 /-</b> 2023265759 2023266240 2023266270 2023266341 2023266367	<b>A61P 35 /-</b> 2023248053 2023266246 2023266254 2023266270 2023266278 2023266284 2023266341 2023266357 2023266367		<b>B32B 27 /-</b> 2023266386
<b>A23L 5 /-</b> 2023270270	<b>A61B 5 /-</b> 2023202862 2023266336			<b>B01D 53 /-</b> 2023219960 2023222838 2023222850 2023222861	<b>B32B 5 /-</b> 2023266223
<b>A23L 7 /-</b> 2023270270		<b>A61K 45 /-</b> 2023266341			<b>B33Y 10 /-</b> 2023266347
<b>A23N 17 /-</b> 2023266263					<b>B60P 3 /-</b> 2023266262
					<b>B60R 25 /-</b> 2023270190

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<b>B60R 9/-</b> 2023266262	<b>C07D 207/-</b> 2023266363	2023266284 2023266354 2023266379	<b>E06B 9/-</b> 2023270210	2023266375	2023266241
<b>B62B 3/-</b> 2022211818	<b>C07D 213/-</b> 2023266363	<b>C12N 5/-</b> 2023266344 2023266379	<b>E21D 9/-</b> 2022358643	<b>G02B 7/-</b> 2023266375	<b>G06K 19/-</b> 2023266386 2023266392
<b>B62B 5/-</b> 2022211818	<b>C07D 239/-</b> 2023270260	<b>C12N 7/-</b> 2023255035 2023263532	<b>F02C 7/-</b> 2022224828	<b>G03G 21/-</b> 2023266346	<b>G06N 10/-</b> 2023202980
<b>B62D 37/-</b> 2023270192	<b>C07D 241/-</b> 2023266357	<b>C12N 9/-</b> 2023266246 2023266284 2023266388	<b>F02M 53/-</b> 2023202523	<b>G05B 13/-</b> 2023202559 2023202804	<b>G06N 20/-</b> 2023201525 2023203060 2023266277
<b>B62D 53/-</b> 2023202921	<b>C07D 263/-</b> 2023270260	<b>C12P 21/-</b> 2023258376	<b>F16D 9/-</b> 2022224828	<b>G05B 17/-</b> 2023202804	<b>G06N 3/-</b> 2023203157 2023203193
<b>B62M 1/-</b> 2023203113	<b>C07D 401/-</b> 2023266254	<b>C12P 5/-</b> 2023266282	<b>F16L 15/-</b> 2023266308	<b>G05B 19/-</b> 2023202804 2023266296 2023266351	<b>G06N 5/-</b> 2023203157 2023266277
<b>B65D 3/-</b> 2023266265	<b>C07D 403/-</b> 2023266357	<b>C12P 7/-</b> 2023266282 2023266388	<b>F21L 2/-</b> 2023203074	<b>G05B 23/-</b> 2023202804	<b>G06Q 10/-</b> 2022203419 2023202411 2023202528 2023202811 2023266351 2023270214 2023270265
<b>B65D 33/-</b> 2022203366 2023202010	<b>C07D 413/-</b> 2023266254 2023266373 2023270260	<b>C12Q 1/-</b> 2022204442 2023237051 2023258376	<b>F24S 50/-</b> 2023266286	<b>G05D 1/-</b> 2023266229	<b>G06Q 20/-</b> 2023266232 2023266267 2023266292 2023266293 2023266302 2023266383 2023266392
<b>B65D 43/-</b> 2023266265	<b>C07D 417/-</b> 2023266254 2023266373	<b>C23C 22/-</b> 2023266308	<b>F28D 15/-</b> 2023266235	<b>G05D 16/-</b> 2023266289	<b>G06F 11/-</b> 2023202980 2023263576
<b>B65D 5/-</b> 2023266362	<b>C07D 471/-</b> 2023266254 2023266279	<b>C23C 28/-</b> 2023266308	<b>G01D 21/-</b> 2022211820	<b>G05D 3/-</b> 2023202559	<b>G06F 13/-</b> 2023203074
<b>B65D 81/-</b> 2023266362	<b>C07H 21/-</b> 2023258376	<b>C25B 1/-</b> 2023202917	<b>G01K 1/-</b> 2023266283	<b>G06F 15/-</b> 2023202980	<b>G06Q 30/-</b> 2022203310 2023266376 2023266383 2023270250
<b>B65D 83/-</b> 2023202010	<b>C07H 3/-</b> 2023266348	<b>C25B 9/-</b> 2023202917	<b>G01L 5/-</b> 2023266364	<b>G06F 16/-</b> 2023203060 2023203157 2023266277 2023266376	<b>G06Q 40/-</b> 2023270263
<b>B65D 85/-</b> 2023202010 2023266224	<b>C07K 14/-</b> 2023266233 2023266307 2023266384 2023270256	<b>C25D 7/-</b> 2023266308	<b>G01N 21/-</b> 2023266236	<b>G06F 17/-</b> 2023266360	<b>G06Q 50/-</b> 2022203310 2023202811 2023203060 2023263535
<b>B65D 88/-</b> 2022203366	<b>C07K 16/-</b> 2023266270 2023266367	<b>C40B 20/-</b> 2023237051	<b>G01N 25/-</b> 2023266283	<b>G06F 21/-</b> 2023266370	<b>G06Q 99/-</b> 2022203379
<b>B65F 3/-</b> 2023203069	<b>C07K 7/-</b> 2023270216	<b>C40B 40/-</b> 2023237051 2023270256	<b>G01N 33/-</b> 2023201301 2023202555 2023266294 2023270256	<b>G06F 3/-</b> 2023263526 2023266222 2023266353 2023266356	<b>G06T 1/-</b> 2023203193
<b>B65G 1/-</b> 2023266351 2023270265	<b>C11D 11/-</b> 2023266272	<b>E02F 3/-</b> 2023202559 2023203096	<b>G01N 35/-</b> 2023266294	<b>G06F 8/-</b> 2023266241	<b>G06T 11/-</b> 2023202387
<b>B65H 35/-</b> 2023202010	<b>C11D 7/-</b> 2023266272	<b>E02F 9/-</b> 2023202559 2023263535	<b>G01P 3/-</b> 2022211820	<b>G06F 9/-</b> 2023202411 2023202980 2023203074	<b>G06T 17/-</b> 2022211820 2022211821
<b>B82Y 5/-</b> 2023248053	<b>C12M 1/-</b> 2023266282	<b>E03C 1/-</b> 2023203174 2023203175	<b>G01R 31/-</b> 2023201962 2023202387	<b>G06F 40/-</b> 2023203060	<b>G06T 19/-</b> 2023270240
<b>C04B 24/-</b> 2023216735	<b>C12N 15/-</b> 2023237051 2023241326 2023258376 2023258448 2023263518 2023263519 2023266246	<b>E04D 13/-</b> 2023266291	<b>G01S 13/-</b> 2022211820 2023203063	<b>G06T 3/-</b> 2023270240	
<b>C07C 2/-</b> 2023270208		<b>E04H 17/-</b> 2023203138	<b>G01S 19/-</b> 2022203419		
<b>C07C 233/-</b> 2023266374		<b>E04H 4/-</b> 2022231750	<b>G01S 3/-</b> 2022211820		
<b>C07C 237/-</b> 2023270260			<b>G01W 1/-</b> 2023203063		
<b>C07C 7/-</b> 2023270208			<b>G02B 27/-</b> 2022203426		
<b>C07D 205/-</b> 2023266363					

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<b><u>G06T 7 /-</u></b> 2022211820 2022211821 2023202387 2023203063 2023266234 2023266301 2023266368	<b><u>G11B 31 /-</u></b> 2022211821	<b><u>H02P 3 /-</u></b> 2023266312	<b><u>H05K 5 /-</u></b> 2022203459
<b><u>G06V 10 /-</u></b> 2022211820 2022211821 2023203193 2023263516 2023266368	<b><u>G16B 30 /-</u></b> 2023266239 2023266266	<b><u>H02P 6 /-</u></b> 2023266312	<b><u>H05K 7 /-</u></b> 2022203459 2023266235
<b><u>G06V 20 /-</u></b> 2022211820 2022211821 2023266368	<b><u>G16H 40 /-</u></b> 2023266283	<b><u>H02S 20 /-</u></b> 2023266286 2023266291	<b><u>No IPC Mark</u></b>
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<b><u>G07D 11 /-</u></b> 2023266232	<b><u>H01B 11 /-</u></b> 2023202332	<b><u>H04H 20 /-</u></b> 2022203379	
<b><u>G07D 5 /-</u></b> 2023266232	<b><u>H01B 7 /-</u></b> 2023270213	<b><u>H04L 67 /-</u></b> 2023270268	
<b><u>G07D 7 /-</u></b> 2023266232	<b><u>H01M 10 /-</u></b> 2023201962 2023202883	<b><u>H04L 9 /-</u></b> 2023270268	
<b><u>G07D 9 /-</u></b> 2023266232	<b><u>H01M 50 /-</u></b> 2023202883 2023202884 2023203053 2023203078	<b><u>H04M 1 /-</u></b> 2023266349 2023266353 2023266371	
<b><u>G07F 17 /-</u></b> 2022203102 2023202803 2023202960 2023263521 2023266268 2023266381 2023266390 2023270250	<b><u>H01M 8 /-</u></b> 2023202387	<b><u>H04N 1 /-</u></b> 2022211821 2023201525	
<b><u>G08B 13 /-</u></b> 2022203419 2023270262	<b><u>H01Q 1 /-</u></b> 2023203093	<b><u>H04N 19 /-</u></b> 2023266306 2023266345	
<b><u>G08B 21 /-</u></b> 2022203419 2023202411	<b><u>H01Q 3 /-</u></b> 2023202807	<b><u>H04N 23 /-</u></b> 2022211820	
<b><u>G08B 25 /-</u></b> 2023270262	<b><u>H01R 13 /-</u></b> 2022203413 2023203078	<b><u>H04N 7 /-</u></b> 2023270262	
<b><u>G08B 7 /-</u></b> 2023266356	<b><u>H01R 24 /-</u></b> 2022203413	<b><u>H04Q 11 /-</u></b> 2023266283	
<b><u>G09B 9 /-</u></b> 2023203261	<b><u>H02B 1 /-</u></b> 2022203459	<b><u>H04R 1 /-</u></b> 2023266356	
<b><u>G10L 15 /-</u></b> 2023266275	<b><u>H02G 3 /-</u></b> 2022203459	<b><u>H04W 12 /-</u></b> 2023202811	
<b><u>G10L 19 /-</u></b> 2023266360	<b><u>H02H 7 /-</u></b> 2023270213	<b><u>H04W 24 /-</u></b> 2023266316	
<b><u>G11B 27 /-</u></b> 2023263516 2023266222	<b><u>H02H 9 /-</u></b> 2023270213	<b><u>H04W 36 /-</u></b> 2023266316	
	<b><u>H02J 5 /-</u></b> 2023203093	<b><u>H04W 4 /-</u></b> 2022203419 2023266349	
	<b><u>H02J 50 /-</u></b> 2023203093	<b><u>H04W 84 /-</u></b> 2023266316	
	<b><u>H02J 7 /-</u></b> 2023201962 2023203093 2023270213	<b><u>H05B 45 /-</u></b> 2023202543	
	<b><u>H02K 11 /-</u></b> 2023266312	<b><u>H05B 47 /-</u></b> 2023202543 2023203074	
	<b><u>H02K 41 /-</u></b> 2023266375	<b><u>H05K 1 /-</u></b> 2022203459	

PCT applications which have entered the National Phase

Name Index

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

<p>(71) 6K INC.                      (11) AU-A-2022303174                      (21) 2022303174 (22) 24.06.2022                      (54) SYSTEMS, METHODS, AND DEVICES FOR PRODUCING A MATERIAL WITH DESIRED CHARACTERISTICS USING MICROWAVE PLASMA                      (51) Int. Cl.  <i>H05H 1/26</i> ( 2006.01 )  <i>B01J 19/12</i> ( 2006.01 )  <i>B22F 1/065</i> ( 2022.01 )  <i>B22F 10/34</i> ( 2021.01 )  <i>H05H 1/30</i> ( 2006.01 )                      (87) WO2023/278273                      (31) 63/202,921 (32) 30.06.21 (33) US                      63/267,469 02.02.22 US                      (43) 05.01.2023                      (72) KOZLOWSKI, Michael, C.; MAJCHER, Jared; REDJDAL, Makhlof; MATYS, Pawel; ULLAL, Saurabh                      (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) ACURX PHARMACEUTICALS, INC.                      (11) AU-A-2022292709                      (21) 2022292709 (22) 16.06.2022                      (54) USE OF IBEZAPOLSTAT TO PROMOTE MICROBIOME HEALTH                      (51) Int. Cl.  <i>A61K 31/33</i> ( 2006.01 )  <i>A61K 31/41</i> ( 2006.01 )  <i>A61K 31/416A</i> ( 2006.01 )  <i>A61K 31/00</i> ( 2006.01 )                      (87) WO2022/266318                      (31) 63/211,320 (32) 16.06.21 (33) US                      63/236,972 25.08.21 US                      63/263,556 04.11.21 US                      63/264,052 15.11.21 US                      (43) 22.12.2022                      (72) GAREY, Kevin                      (74) Chrysiliou IP</p>	<p><i>B65G 43/08</i> ( 2006.01 )                      (87) WO2022/246392                      (31) 63/201,905 (32) 18.05.21 (33) US                      (43) 24.11.2022                      (72) THOMPSON, Robert                      (74) WRAYS PTY LTD</p>
<p>(71) ABS GLOBAL, INC.                      (11) AU-A-2022280072                      (21) 2022280072 (22) 26.05.2022                      (54) IN VITRO BREEDING SYSTEMS AND METHODS IN LIVESTOCK                      (51) Int. Cl.  <i>A01K 67/02</i> ( 2006.01 )  <i>C12N 5/0735</i> ( 2010.01 )  <i>A61K 35/52</i> ( 2015.01 )  <i>A61K 35/54</i> ( 2015.01 )  <i>C12N 5/12</i> ( 2006.01 )                      (87) WO2022/251549                      (31) 63/194,667 (32) 28.05.21 (33) US                      (43) 01.12.2022                      (72) BEATON, Benjamin; KRISHER, Rebecca Lynn; LEE, Chang Hyun; RAJPUT, Sandeep                      (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) ADIENNE S.A.                      (11) AU-A-2022271679                      (21) 2022271679 (22) 13.05.2022                      (54) METHODS OF TREATING GRAFT VERSUS HOST DISEASE                      (51) Int. Cl.  <i>C07K 16/28</i> ( 2006.01 )  <i>A61K 39/00</i> ( 2006.01 )  <i>A61P 37/06</i> ( 2006.01 )  <i>C07K 16/40</i> ( 2006.01 )                      (87) WO2022/238978                      (31) 63/201,805 (32) 13.05.21 (33) US                      (43) 17.11.2022                      (72) DI NARO, Antonio Francesco                      (74) Pearce IP Pty Ltd</p>	<p>(71) ADVANCED POTASH TECHNOLOGIES, LTD.                      (11) AU-A-2022296033                      (21) 2022296033 (22) 16.06.2022                      (54) MULTI-STEP METHODS OF MAKING A MULTI-PHASE MATERIAL                      (51) Int. Cl.  <i>C05G 5/10</i> ( 2020.01 )  <i>C05D 9/00</i> ( 2006.01 )  <i>C05F 11/00</i> ( 2006.01 )  <i>C05G 5/12</i> ( 2020.01 )  <i>C05G 1/00</i> ( 2006.01 )                      (87) WO2022/269428                      (31) 63/214,958 (32) 25.06.21 (33) US                      (43) 29.12.2022                      (72) CHAOUKI, Jamal; LATIFI, Mohammad; MOHAMMAD, Javeed; MIRNEZAMI, Mitra                      (74) RnB IP Pty Ltd</p>
<p>(71) ACROVIZ USA INC.                      (11) AU-A-2022304526                      (21) 2022304526 (22) 25.03.2022                      (54) METHOD OF EVALUATING CONCOMITANT CLINICAL DEMENTIA RATING AND ITS FUTURE OUTCOME USING PREDICTED AGE DIFFERENCE AND PROGRAM THEREOF                      (51) Int. Cl.  <i>A61B 5/00</i> ( 2006.01 )                      (87) WO2023/277980                      (31) 63/216,028 (32) 29.06.21 (33) US                      (43) 05.01.2023                      (72) TSENG, Wen-Yih; HSU, Yung-Chin                      (74) Griffith Hack</p>	<p>(71) ADIENT MEDICAL, INC.                      (11) AU-A-2022269376                      (21) 2022269376 (22) 29.04.2022                      (54) DELIVERY SYSTEM FOR A MEDICAL DEVICE                      (51) Int. Cl.  <i>A61F 2/01</i> ( 2006.01 )  <i>A61M 25/06</i> ( 2006.01 )  <i>A61M 25/09</i> ( 2006.01 )  <i>A61M 25/10</i> ( 2013.01 )  <i>A61M 39/06</i> ( 2006.01 )                      (87) WO2022/234420                      (31) 63/183,166 (32) 03.05.21 (33) US                      (43) 10.11.2022                      (72) EGGERS, Mitchell Donn                      (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) AEROVIRONMENT, INC.                      (11) AU-A-2022283385                      (21) 2022283385 (22) 27.05.2022                      (54) ROLL-BIASED SKID-TO-TURN TERMINAL GUIDANCE WITH RUDDER INTEGRATOR FEEDBACK                      (51) Int. Cl.  <i>G05D 1/08</i> ( 2006.01 )  <i>B64C 13/18</i> ( 2006.01 )  <i>B64C 39/02</i> ( 2023.01 )  <i>G05D 1/00</i> ( 2006.01 )  <i>G05D 1/10</i> ( 2006.01 )  <i>G08G 5/04</i> ( 2006.01 )                      (87) WO2022/251598                      (31) 63/314,597 (32) 28.02.22 (33) US                      63/194,762 28.05.21 US                      (43) 01.12.2022                      (72) MITCHNER, Drew, David; DAVIS, Scott, David                      (74) Spruson &amp; Ferguson</p>
<p>(71) ADOVATE, LLC                      (11) AU-A-2022275564                      (21) 2022275564 (22) 16.05.2022                      (54) CYCLIC AMIDE-CONTAINING PYRIDYL XANTHINES AS A 2B ANTAGONISTS                      (51) Int. Cl.  <i>B65G 47/90</i> ( 2006.01 )</p>	<p>(71) AIM IMMUNOTECH INC.                      (11) AU-A-2022270140                      (21) 2022270140 (22) 05.05.2022                      (54) METHODS AND COMPOSITIONS FOR TREATING NEUROINFLAMMATION                      (51) Int. Cl.  <i>C12N 15/117</i> ( 2010.01 )  <i>A61K 31/713</i> ( 2006.01 )  <i>A61P 25/00</i> ( 2006.01 )  <i>A61P 25/28</i> ( 2006.01 )                      (87) WO2022/235984                      (31) 63/184,752 (32) 05.05.21 (33) US</p>	

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**(72)** EQUELS, Thomas, K.; STRAYER, David, R.  
**(74)** James & Wells Intellectual Property
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- (71)** ALFA LAVAL CORPORATE AB  
**(11)** AU-A-2022270849  
**(21)** 2022270849 **(22)** 19.04.2022  
**(54)** ATTACHMENT MEANS AND HEAT TRANSFER PLATE  
**(51)** Int. Cl.  
**F28F 3/08** ( 2006.01 )  
**F28D 9/00** ( 2006.01 )  
**(87)** WO2022/233563  
**(31)** 21171915.8 **(32)** 04.05.21 **(33)** EP  
**(43)** 10.11.2022  
**(72)** RASMUSSEN, Jenny  
**(74)** FB Rice Pty Ltd
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- (71)** ALKAHEST, INC.  
**(11)** AU-A-2022376563  
**(21)** 2022376563 **(22)** 31.10.2022  
**(54)** BENZODIOXANE MODULATORS OF LEUKOTRIENE A4 HYDROLASE (LTA4H) FOR PREVENTION AND TREATMENT OF AGING-ASSOCIATED DISEASES  
**(51)** Int. Cl.  
**A61K 31/33** ( 2006.01 )  
**A61K 31/335** ( 2006.01 )  
**A61K 31/357** ( 2006.01 )  
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**(72)** CAMPBELL, Meghan Kerrisk; CZIRR, Eva; HARISH, Reema  
**(74)** Spruson & Ferguson
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- (71)** ALLNEX USA INC.  
**(11)** AU-A-2022304691  
**(21)** 2022304691 **(22)** 09.06.2022  
**(54)** WATER-BASED RADIATION-CURABLE COMPOSITION FOR SOFT FEEL APPLICATIONS  
**(51)** Int. Cl.  
**C08G 18/08** ( 2006.01 )  
**C08G 18/32** ( 2006.01 )  
**C08G 18/42** ( 2006.01 )  
**C08G 18/72** ( 2006.01 )  
**C09D 175/16** ( 2006.01 )  
**(87)** WO2023/278118  
**(31)** 63/217,989 **(32)** 02.07.21 **(33)** US  
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**(43)** 05.01.2023  
**(72)** MCCLUNG, Jennifer; HUTCHINS, Marcus; SIBAND, Elodie  
**(74)** Griffith Hack
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- (71)** ALPHA ESS CO., LTD.  
**(11)** AU-A-2021445856  
**(21)** 2021445856 **(22)** 25.06.2021
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- (54)** CONTROL SYSTEM AND CONTROL METHOD FOR BMS POWER SOURCE SWITCH  
**(51)** Int. Cl.  
**H03K 17/687** ( 2006.01 )  
**(87)** WO2022/241906  
**(31)** 202110543403.0 **(32)** 19.05.21 **(33)** CN  
**(43)** 24.11.2022  
**(72)** CHEN, Yiping; SI, Xiuli; YIN, Zhijiang; YUAN, Hongliang; LIN, Dong  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ALTECH CHEMICALS AUSTRALIA PTY LTD  
**(11)** AU-A-2022272333  
**(21)** 2022272333 **(22)** 13.05.2022  
**(54)** ANODE COATING PROCESS  
**(51)** Int. Cl.  
**C01F 7/306** ( 2022.01 )  
**H01M 4/02** ( 2006.01 )  
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**H01M 4/139** ( 2010.01 )  
**(87)** WO2022/236382  
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**(43)** 17.11.2022  
**(72)** LIU, Jingyuan  
**(74)** WRAYS PTY LTD
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- (71)** AMADEUS S.A.S.  
**(11)** AU-A-2022284232  
**(21)** 2022284232 **(22)** 23.05.2022  
**(54)** SOURCE-ADAPTED DATA RETRIEVAL FOR MULTI-TENANT SYSTEM  
**(51)** Int. Cl.  
**G06F 16/27** ( 2019.01 )  
**(87)** WO2022/253607  
**(31)** 17/335,616 **(32)** 01.06.21 **(33)** US  
**(43)** 08.12.2022  
**(72)** STEFANESCU, Radu-Constantin; DUQUETTE, Jeffrey P.; KENNIE, Michael; BUNGERT, Adam Edward  
**(74)** Griffith Hack
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- (71)** AMGEN INC.  
**(11)** AU-A-2022277860  
**(21)** 2022277860 **(22)** 17.05.2022  
**(54)** SOTORASIB DOSING REGIMEN  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/245857  
**(31)** 63/190,061 **(32)** 18.05.21 **(33)** US  
**(43)** 24.11.2022  
**(72)** HENARY, Haby; NGARMCHAMNANRITH, Gatarae; PARK, Joseph; DUTTA, Sandeep; FRIBERG, Gregory; HOUK, Brett E.; MATHER, Omar  
**(74)** Spruson & Ferguson
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- (71)** AMGEN RESEARCH (MUNICH) GMBH; AMGEN INC.  
**(11)** AU-A-2022287014  
**(21)** 2022287014 **(22)** 02.06.2022  
**(54)** T CELL ENGAGER MOLECULES AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )
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- A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2022/256559  
**(31)** 63/197,265 **(32)** 04.06.21 **(33)** US  
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**(43)** 08.12.2022  
**(72)** BROZY, Johannes; DAHLHOFF, Christoph; RAUM, Tobias; PENDZIALEK, Jochen, S.; WINKEL, Lisa; MUENZ, Markus; PIERCE, Nathan, William; KIELCZEWSKA, Agnieszka; CHEN, Wentao; BATES, Darren, L.; BLUEMEL, Claudia; HONER, Jonas, Karl-Josef  
**(74)** Spruson & Ferguson
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- (71)** ANDRITZ OY  
**(11)** AU-A-2022282597  
**(21)** 2022282597 **(22)** 20.05.2022  
**(54)** AN ACCEPT TANK MIXING ARRANGEMENT  
**(51)** Int. Cl.  
**D21D 5/28** ( 2006.01 )  
**B01F 27/71** ( 2022.01 )  
**D21B 1/34** ( 2006.01 )  
**(87)** WO2022/248765  
**(31)** 20215615 **(32)** 25.05.21 **(33)** FI  
**(43)** 01.12.2022  
**(72)** VANHALA, Kimmo  
**(74)** Spruson & Ferguson
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- (71)** ANDURIL INDUSTRIES, INC.  
**(11)** AU-A-2023202807  
**(21)** 2023202807 **(22)** 16.02.2023  
**(54)** MODULAR SYSTEM FOR DETECTING, TRACKING, AND TRANSMITTING TO IDENTIFIED OBJECTS  
**(51)** Int. Cl.  
**H01Q 3/26** ( 2006.01 )  
**(31)** 18/051,743 **(32)** 01.11.22 **(33)** US  
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**(72)** EL-AKKAD, Sam; FISCHER, Christopher; WHITAKER, Travis; PEARSON, Bryden; BERK, Todd; PHAM, Thao; HSU, Jon; DART, Cameron  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ANIMUSCURE INC.  
**(11)** AU-A-2022266386  
**(21)** 2022266386 **(22)** 05.01.2022  
**(54)** COMPOSITION FOR PREVENTING OR TREATING MUSCULAR DISEASE, COMPRISING OXICAM-BASED COMPOUND  
**(51)** Int. Cl.  
**A61K 31/5415** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 31/542** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**(87)** WO2022/231080  
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(43) 03.11.2022			(11) AU-A-2022284804	(43) 27.10.2022		
(72) LEE, Sang-Jin; SO, Hyun-Kyung; LEE, Hye Yoing			(21) 2022284804	(22) 01.06.2022		
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd			(54) GENE EDITING SYSTEMS COMPRISING A CRISPR NUCLEASE AND USES THEREOF	(72) KUMLIN, Joel; DODD, Maurice G.; HOOK, Brian		
<hr/>			(51) Int. Cl.	(74) FPA Patent Attorneys Pty Ltd	<hr/>	
(71) ANPARIO PLC			C12N 15/11 ( 2006.01 )	(71) ASHER BIOTHERAPEUTICS, INC.		
(11) AU-A-2022277989			C12N 9/12 ( 2006.01 )	(11) AU-A-2022275666		
(21) 2022277989	(22) 19.05.2022		C12N 9/22 ( 2006.01 )	(21) 2022275666	(22) 27.04.2022	
(54) COMPOSITION FOR USE IN THE TREATMENT AND/OR PREVENTION OF MYCOTOXIC DISEASE			C12N 15/10 ( 2006.01 )	(54) IL-21 POLYPEPTIDES AND TARGETED CONSTRUCTS		
(51) Int. Cl.			C12N 15/62 ( 2006.01 )	(51) Int. Cl.		
A61K 31/695 ( 2006.01 )			(87) WO2022/256440	A61K 38/20 ( 2006.01 )		
A61P 43/00 ( 2006.01 )			(31) 63/195,621	A61K 39/395 ( 2006.01 )		
C01B 33/22 ( 2006.01 )			(32) 01.06.21	A61K 47/68 ( 2017.01 )		
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(72) WILDE, David			(43) 08.12.2022	(87) WO2022/245500		
(74) Raven IP			(72) SCOTT, David, A.; JAKIMO, Noah, Michael; HUNNEWELL, Pratyusha; HSIEH, Fu-Kai	(31) 63/190,669	(32) 19.05.21	(33) US
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(71) APEX BRANDS, INC.				PCT/	22.10.21	US
(11) AU-A-2022300188			(71) ARMGO PHARMA, INC.	US2021/056312		
(21) 2022300188	(22) 20.06.2022		(11) AU-A-2022279235	PCT/	08.12.21	US
(54) HACKSAW WITH HANDLE TENSIONING MECHANISM			(21) 2022279235	US2021/062485		
(51) Int. Cl.			(54) PHARMACEUTICAL COMPOSITIONS COMPRISING A RYANODINE RECEPTOR MODULATOR AND USES THEREOF	63/297,631	07.01.22	US
B23D 49/12 ( 2006.01 )			(51) Int. Cl.	(43) 24.11.2022		
B23D 51/01 ( 2006.01 )			A61K 38/10 ( 2006.01 )	(72) YEUNG, Yik Andy; GREER, Renee L.; NGUYEN, Henry C.; LIU, David; KANG, Byong; DJURETIC, Ivana		
B27B 21/04 ( 2006.01 )			A61K 45/06 ( 2006.01 )	(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd		
(87) WO2022/271577			C07K 7/08 ( 2006.01 )	<hr/>		
(31) 63/212,944	(32) 21.06.21	(33) US	(87) WO2022/246114	(71) ASPLAND, K.J.; GRIFFIN, L.J.		
(43) 29.12.2022			(31) 63/191,142	(11) AU-A-2022319996		
(72) STEEN, Noah; SPECIALE, Andrew; DUNIGAN, Michael; HIGGINS, Jeromy; POPPE, Matthew			(43) 24.11.2022	(21) 2022319996	(22) 03.05.2022	
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd			(72) MARCANTONIO, Eugene E.; ANBY, Mette Uhre; BINET, Jerome	(54) SKIN LOTION DISPENSER		
<hr/>			(74) FB Rice Pty Ltd	(51) Int. Cl.		
(71) ARBOR BIOTECHNOLOGIES, INC.				A45D 34/04 ( 2006.01 )		
(11) AU-A-2022283922			(71) ARTECO NV	A45D 40/28 ( 2006.01 )		
(21) 2022283922	(22) 03.06.2022		(11) AU-A-2022302781	(87) WO2023/007111		
(54) GENE EDITING SYSTEMS COMPRISING AN RNA GUIDE TARGETING HYDROXYACID OXIDASE 1 (HAO1) AND USES THEREOF			(21) 2022302781	(31) 17/384,927	(32) 26.07.21	(33) US
(51) Int. Cl.			(54) HEAT-TRANSFER FLUID WITH LOW ELECTRICAL CONDUCTIVITY COMPRISING A VINYL PYRROLIDONE POLYMER, METHODS FOR ITS PREPARATION AND USES THEREOF	(43) 02.02.2023		
C12N 15/113 ( 2010.01 )			(51) Int. Cl.	(72) ASPLAND, Kelli Jayne; GRIFFIN, Laura Jayne		
A61K 48/00 ( 2006.01 )			C09K 5/10 ( 2006.01 )	(74) Patenteur Pty Ltd	<hr/>	
C12N 9/22 ( 2006.01 )			H01M 8/04029 ( 2016.01 )	(71) ASTURA MEDICAL INC.		
A61K 38/46 ( 2006.01 )			(87) WO2023/275016	(11) AU-A-2022284954		
(87) WO2022/256642			(31) 21182326.5	(21) 2022284954	(22) 03.06.2022	
(31) 63/197,073	(32) 04.06.21	(33) US	(43) 05.01.2023	(54) HEIGHT AND LORDOSIS ADJUSTABLE SPACER		
63/225,046	23.07.21	US	(72) CLERICK, Sander; LIEVENS, Serge	(51) Int. Cl.		
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63/300,727	19.01.22	US	<hr/>			
(43) 08.12.2022			(71) ARTMS INC.	A61F 2/46 ( 2006.01 )		
(72) WESSELLS, Quinton Norman; HASWELL, Jeffrey Raymond; DITOMASO, Tia Marie; JAKIMO, Noah Michael; SENGUPTA, Sejuti			(11) AU-A-2022259876	A61B 17/70 ( 2006.01 )		
(74) Spruson & Ferguson			(21) 2022259876	(87) WO2022/256715		
<hr/>			(54) PROTON ENERGY DEGRADER DEVICES AND METHODS OF USING SAME	(31) 63/196,314	(32) 03.06.21	(33) US
(51) Int. Cl.			(51) Int. Cl.	(43) 08.12.2022		
H05H 7/12 ( 2006.01 )			H05H 6/00 ( 2006.01 )	(72) KLAUSMAN, Keith; PURCELL, Thomas		
G21G 1/10 ( 2006.01 )			(87) WO2022/221949	(74) Adams Pluck	<hr/>	
H05H 6/00 ( 2006.01 )				(71) ASTURA MEDICAL INC.		
(87) WO2022/221949				(11) AU-A-2022291835		
<hr/>				(21) 2022291835	(22) 15.06.2022	
				(54) EXPANDABLE INTERBODY SPACER		



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- (51) Int. Cl.  
**A61F 2/44** ( 2006.01 )  
*A61B 17/70* ( 2006.01 )
- (87) WO2022/266267  
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(43) 22.12.2022  
(72) VALKOUN, Anthony; PURCELL, Thomas  
(74) Adams Pluck
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- (71) ATOM COMPUTING INC.  
(11) AU-A-2022284734  
(21) 2022284734 (22) 16.05.2022  
(54) SCALABLE NEUTRAL ATOM BASED QUANTUM COMPUTING
- (51) Int. Cl.  
**G06N 10/40** ( 2022.01 )  
**G06N 10/00** ( 2022.01 )  
*G06N 10/60* ( 2022.01 )
- (87) WO2022/256166  
(31) 63/189,660 (32) 17.05.21 (33) US  
(43) 08.12.2022  
(72) LESTER, Brian; BLOOM, Benjamin; KOTRU, Krish; KING, Jonathan; McDONALD, Mickey; STONE, Mark  
(74) FB Rice Pty Ltd
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- (71) ATTN: GRACE, INC.  
(11) AU-A-2022263435  
(21) 2022263435 (22) 20.04.2022  
(54) IMPROVED GARMENT FOR TREATMENT OF INCONTINENCE
- (51) Int. Cl.  
**A61F 13/505** ( 2006.01 )  
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- (87) WO2022/226042  
(31) 63/177,247 (32) 20.04.21 (33) US  
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**F16L 53/38** ( 2018.01 )  
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**C07D 251/40** ( 2006.01 )  
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D04H 1/425 ( 2012.01 )  
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D21H 11/12 ( 2006.01 )  
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(72) CHARFEDDINE, Mohamed Ali; KIENTZ, Emmanuelle; BUOB, Agne; LAMB, Hans-Jürgen  
(74) Griffith Hack
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- (71) ESSITY HYGIENE AND HEALTH AK-TIEBOLAG  
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(21) 2021455100 (22) 09.07.2021  
(54) TISSUE PAPER MATERIAL AND TISSUE PAPER PRODUCT  
(51) Int. Cl.  
D21H 27/00 ( 2006.01 )  
A47K 10/00 ( 2006.01 )  
A47K 10/16 ( 2006.01 )  
D21H 11/12 ( 2006.01 )  
D21H 27/38 ( 2006.01 )  
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(72) KIENTZ, Emmanuelle; BUOB, Agne; LAMB, Hans-Jürgen; CHARFEDDINE, Mohamed Ali  
(74) Griffith Hack
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- (71) ESSITY HYGIENE AND HEALTH AK-TIEBOLAG  
(11) AU-A-2022284939  
(21) 2022284939 (22) 26.05.2022  
(54) PYRIDAZINONE COMPOUND AS PARP7 INHIBITOR  
(51) Int. Cl.  
C07D 403/14 ( 2006.01 )  
A61K 31/501 ( 2006.01 )  
A61K 31/506 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07D 401/14 ( 2006.01 )  
C07D 471/06 ( 2006.01 )  
(87) WO2022/253101  
(31) 202110605018.4 (32) 31.05.21 (33) CN  
(43) 08.12.2022  
(72) LI, Jing; CHEN, Yanhong; CHEN, Xuxing  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EUREGEN BIOPHARMA CO., LTD.; SHANGHAI YOU LI BIOPHARMA CO., LTD.  
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(21) 2022284939 (22) 26.05.2022  
(54) PYRIDAZINONE COMPOUND AS PARP7 INHIBITOR  
(51) Int. Cl.  
C07D 403/14 ( 2006.01 )  
A61K 31/501 ( 2006.01 )  
A61K 31/506 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07D 401/14 ( 2006.01 )  
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(72) LI, Jing; CHEN, Yanhong; CHEN, Xuxing  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EVOQUA WATER TECHNOLOGIES LLC  
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(54) REGULATION OF ONSITE PEROXIDE GENERATION FOR IMPROVED PEROXONE ADVANCED OXIDATIVE PROCESS CONTROL  
(51) Int. Cl.  
C02F 1/78 ( 2023.01 )  
B01F 23/237 ( 2022.01 )  
B01F 23/451 ( 2022.01 )  
B01F 35/82 ( 2022.01 )  
B01F 35/83 ( 2022.01 )  
G05D 9/12 ( 2006.01 )  
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 (51) Int. Cl.  
**C02F 1/00** ( 2023.01 )  
**B01D 61/00** ( 2006.01 )  
**B01D 61/02** ( 2006.01 )  
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 (74) Spruson & Ferguson
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 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
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 (51) Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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- (51) Int. Cl.  
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 (21) 2021446327 (22) 19.05.2021  
 (54) INSTANT DIGITAL ISSUANCE  
 (51) Int. Cl.  
**G06Q 20/02** ( 2012.01 )  
**G06Q 20/22** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
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 (11) AU-A-2022280380  
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 (54) SYSTEM AND METHOD FOR DETERMINING LEAK IN RESPIRATORY FLOW THERAPY SYSTEMS  
 (51) Int. Cl.  
**A61M 16/16** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/10** ( 2006.01 )  
**G01M 3/26** ( 2006.01 )  
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 (72) ELLINGHAM, Lucy Elizabeth; SANSON, Samuel Carey Matthew  
 (74) AJ PARK
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 (11) AU-A-2022286727  
 (21) 2022286727 (22) 01.06.2022  
 (54) HUMIDIFICATION DEVICE COMMUNICATIONS  
 (51) Int. Cl.  
**G16H 40/40** ( 2018.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )  
**G06F 21/60** ( 2013.01 )  
**G16H 40/60** ( 2018.01 )  
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 (51) Int. Cl.  
**A61M 16/16** ( 2006.01 )  
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 (87) WO2022/249073  
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 (54) FOOD SUPPLEMENT  
 (51) Int. Cl.  
**A23L 33/115** ( 2016.01 )  
**A61K 35/20** ( 2006.01 )  
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 (54) AUTOMATED IN-STORE EXECUTION ISSUE RESOLUTION SYSTEM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06Q 10/08** ( 2023.01 )  
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(54) INFORMATION PROCESSING PROGRAM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING DEVICE  
(51) Int. Cl.  
**G06F 16/383** ( 2019.01 )
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(43) 01.12.2022  
(72) KATAOKA, Masahiro; TOMIYAMA, Yoshihide; IWATA, Aya  
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**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )
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**B22F 9/12** ( 2006.01 )  
**B22F 1/00** ( 2022.01 )  
**B22F 1/054** ( 2022.01 )  
**C30B 11/12** ( 2006.01 )  
**C30B 25/00** ( 2006.01 )  
**C30B 29/36** ( 2006.01 )  
**C30B 29/60** ( 2006.01 )
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(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )  
**F24F 13/20** ( 2006.01 )
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(72) ZHOU, Baisong; WU, Duode; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2022285467 (22) 11.02.2022  
(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 1/00** ( 2019.01 )  
**F24F 1/0059** ( 2019.01 )  
**F24F 1/0067** ( 2019.01 )
- (87) WO2022/252680  
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(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
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(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )  
**F24F 13/20** ( 2006.01 )
- (87) WO2022/252677  
(31) 202110611174.1 (32) 01.06.21 (33) CN  
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(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2022286885 (22) 11.02.2022  
(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/30** ( 2006.01 )  
**F24F 1/00** ( 2019.01 )  
**F28F 1/00** ( 2006.01 )  
**F28F 1/10** ( 2006.01 )
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(31) 202121216517.6 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
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(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
- (87) WO2022/252686  
(31) 202110610656.5 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
(74) PHILLIPS ORMONDE FITZPATRICK
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(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
- (87) WO2022/252687  
(31) 202110610656.5 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.  
(11) AU-A-2022286888  
(21) 2022286888 (22) 11.02.2022  
(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
- (87) WO2022/252688  
(31) 202110610656.5 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2022286889 (22) 11.02.2022  
(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
- (87) WO2022/252689  
(31) 202110610656.5 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2022286890 (22) 11.02.2022  
(54) WALL-MOUNTED AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/20** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 13/08** ( 2006.01 )
- (87) WO2022/252690  
(31) 202110610656.5 (32) 01.06.21 (33) CN  
(43) 08.12.2022  
(72) ZHOU, Baisong; WU, Duode; YANG, Yuan; LI, Bo; WAN, Yongqiang; SU, Qiqin; TU, Yunchong  
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**(21)** 2022308067 **(22)** 28.04.2022  
**(54)** FAN ASSEMBLY AND AIR CONDITIONER  
**(51)** Int. Cl.  
*F24F 1/0018* (2019.01)  
*F24F 13/08* (2006.01)  
**(87)** WO2023/279817  
**(31)** 202121538970.9 **(32)** 07.07.21 **(33)** CN  
**(43)** 12.01.2023  
**(72)** WEI, Fuquan; WU, Yandong; MA, Lihua  
**(74)** Integrated IP

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**(11)** AU-A-2022326662  
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**(54)** ELECTRIC CONTROL BOX, AIR CONDITIONER OUTDOOR UNIT, AND AIR CONDITIONER  
**(51)** Int. Cl.  
*F24F 1/22* (2011.01)  
*F24F 1/24* (2011.01)  
**(87)** WO2023/016252  
**(31)** 202110904558.2 **(32)** 07.08.21 **(33)** CN  
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**(43)** 16.02.2023  
**(72)** WANG, Guochun; SONG, Kaiquan; XU, An; LUO, Huadong; CHEN, Tingbo; LI, Hongwei  
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**(11)** AU-A-2022321657  
**(21)** 2022321657 **(22)** 15.07.2022  
**(54)** TOILET HAVING A SPECIFIC INNER BOWL SHAPE  
**(51)** Int. Cl.  
*E03D 11/08* (2006.01)  
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**(31)** 21189636.0 **(32)** 04.08.21 **(33)** EP  
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**(72)** WEISS, Rolf  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-A-2022287690  
**(21)** 2022287690 **(22)** 02.06.2022  
**(54)** TRANSFER DEVICE FOR A SEALED ENCLOSURE COMPRISING A DEFORMABLE PORTION  
**(51)** Int. Cl.  
*B25J 21/02* (2006.01)  
*G21F 7/047* (2006.01)  
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**(31)** FR2105955 **(32)** 07.06.21 **(33)** FR  
**(43)** 15.12.2022  
**(72)** MOTTIER, Emmanuel; BOTTIER, Samuel  
**(74)** Griffith Hack

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022279234  
**(21)** 2022279234 **(22)** 19.05.2022  
**(54)** PENTACYCLIC DERIVATIVES AS ZIKA VIRUS INHIBITORS  
**(51)** Int. Cl.  
*C07D 491/052* (2006.01)  
*A61K 31/4188* (2006.01)  
*A61P 31/14* (2006.01)  
**(87)** WO2022/246109  
**(31)** 63/191,678 **(32)** 21.05.21 **(33)** US  
**(43)** 24.11.2022  
**(72)** CHIN, Elbert; LINK, John, O.; TAYLOR, James, G.; YANG, Zheng-Yu  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022286966  
**(21)** 2022286966 **(22)** 02.06.2022  
**(54)** COMPOUNDS FOR TREATING NASH AND NAFLD  
**(51)** Int. Cl.  
*A61K 31/4709* (2006.01)  
*A61K 9/00* (2006.01)  
*A61K 31/4725* (2006.01)  
*A61K 31/675* (2006.01)  
*A61K 45/06* (2006.01)  
*A61P 1/16* (2006.01)  
*A61P 43/00* (2006.01)  
**(87)** WO2022/256529  
**(31)** 63/197,038 **(32)** 04.06.21 **(33)** US  
**(43)** 08.12.2022  
**(72)** BRECKENRIDGE, David G.; BUDAS, Grant R.; GUPTA, Ruchi; TAYLOR, James G.; WARR, Matthew R.; WRIGHT, Nathan E.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022290855  
**(21)** 2022290855 **(22)** 09.06.2022  
**(54)** COMBINATION MCL-1 INHIBITORS WITH ANTI-BODY DRUG CONJUGATES  
**(51)** Int. Cl.  
*A61K 47/68* (2017.01)  
*A61P 35/00* (2006.01)  
**(87)** WO2022/261310  
**(31)** 63/209,667 **(32)** 11.06.21 **(33)** US  
 63/322,509 22.03.22 US  
**(43)** 15.12.2022  
**(72)** KENNEY, Thomas F.; MATSON, Clinton K.; VENKATARAMANI, Chandrasekar  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022297367  
**(21)** 2022297367 **(22)** 21.06.2022  
**(54)** DIACYLGLYCEROL KINASE MODULATING COMPOUNDS  
**(51)** Int. Cl.  
*C07D 471/14* (2006.01)  
*A61K 31/519* (2006.01)  
*A61P 31/18* (2006.01)  
*A61P 31/20* (2006.01)  
*A61P 35/00* (2006.01)  
*A61P 35/04* (2006.01)  
*C07D 487/04* (2006.01)  
*C07D 519/00* (2006.01)

**(87)** WO2022/271650  
**(31)** 63/213,880 **(32)** 23.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** CODELLI, Julian A.; GRAUPE, Michael; GUERRERO, Juan A.; JACOBSEN, Jesse M.; KOBAYASHI, Tetsuya; MEDLEY, Jonathan William; MOAZAMI, Yasamin; PATEL, Leena; XU, Jie; YEUNG, Suet C.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022298639  
**(21)** 2022298639 **(22)** 21.06.2022  
**(54)** DIACYLGLYCEROL KINASE MODULATING COMPOUNDS  
**(51)** Int. Cl.  
*C07D 471/04* (2006.01)  
*A61K 31/437* (2006.01)  
*A61K 31/4375* (2006.01)  
*A61P 31/18* (2006.01)  
*A61P 31/20* (2006.01)  
*A61P 35/00* (2006.01)  
*A61P 35/04* (2006.01)  
*C07D 471/14* (2006.01)  
*C07D 519/00* (2006.01)  
**(87)** WO2022/271659  
**(31)** 63/213,884 **(32)** 23.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** CODELLI, Julian A.; MEDLEY, Jonathan William  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022299051  
**(21)** 2022299051 **(22)** 21.06.2022  
**(54)** DIACYLGLYCEROL KINASE MODULATING COMPOUNDS  
**(51)** Int. Cl.  
*C07D 487/04* (2006.01)  
*A61K 31/519* (2006.01)  
*A61P 31/18* (2006.01)  
*A61P 31/20* (2006.01)  
*A61P 35/00* (2006.01)  
*A61P 35/04* (2006.01)  
*C07D 519/00* (2006.01)  
**(87)** WO2022/271684  
**(31)** 63/213,906 **(32)** 23.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** CODELLI, Julian, A.; GRAUPE, Michael; GUERRERO, Juan, A.; HOLMBO, Stephen, D.; KOBAYASHI, Tetsuya; MOAZAMI, Yasamin; PATEL, Leena, B.; WEAVER, Heath, A.; XU, Jie; YEUNG, Suet, C.; ZHU, QingMing  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GIVAUDAN SA  
**(11)** AU-A-2022292905  
**(21)** 2022292905 **(22)** 15.06.2022  
**(54)** COMPOSITIONS COMPRISING CURCUMINOIDS FOR USE IN THE TREATMENT OF MUSCLE SORENESS  
**(51)** Int. Cl.  
*A61K 31/12* (2006.01)  
*A61K 31/704* (2006.01)  
*A61K 31/718* (2006.01)  
*A61K 31/736* (2006.01)

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**A61K 36/9066** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/263558  
**(31)** 2108511.3 **(32)** 15.06.21 **(33)** GB  
**(43)** 22.12.2022  
**(72)** LAVAL, Julie; FANÇA-BERTHON, Pascale Elizabeth Renée; NARANJO MODAD, Sandra  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** GLAUKOS CORPORATION  
**(11)** AU-A-2022272319  
**(21)** 2022272319 **(22)** 13.05.2022  
**(54)** MATERIALS AND METHODS FOR PUNCTAL PLUGS  
**(51)** Int. Cl.  
**A61F 2/14** ( 2006.01 )  
**A61F 9/00** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
**(87)** WO2022/241266  
**(31)** 63/188,733 **(32)** 14.05.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** CURRY, Kenneth; TRAN, William  
**(74)** Madderns Pty Ltd
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- (71)** GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED  
**(11)** AU-A-2022294127  
**(21)** 2022294127 **(22)** 15.06.2022  
**(54)** PHARMACEUTICAL COMPOUND  
**(51)** Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/542** ( 2006.01 )  
**A61P 33/06** ( 2006.01 )  
**(87)** WO2022/263557  
**(31)** 21382532.6 **(32)** 15.06.21 **(33)** EP  
**(43)** 22.12.2022  
**(72)** MANZANO-CHINCHON, M Pilar; PUENTE-FELIPE, Margarita; DENNIS, Kate C; BUENO CALDERON, Jose Maria  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** GROGAN, N.  
**(11)** AU-A-2022264078  
**(21)** 2022264078 **(22)** 27.04.2022  
**(54)** BULK PURCHASE SOFTWARE APPLICATION  
**(51)** Int. Cl.  
**G01G 19/414** ( 2006.01 )  
**G01G 23/14** ( 2006.01 )  
**G06Q 30/06** ( 2023.01 )  
**(87)** WO2022/226649  
**(31)** 17/243,535 **(32)** 28.04.21 **(33)** US  
**(43)** 03.11.2022  
**(72)** GROGAN, Nadia  
**(74)** James & Wells Intellectual Property
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- (71)** H.C. STARCK TUNGSTEN GMBH  
**(11)** AU-A-2022299266  
**(21)** 2022299266 **(22)** 21.06.2022  
**(54)** PROCESS FOR RECYCLING BATTERY MATERIALS BY WAY OF RE-  
 DUCTIVE, PYROMETALLURGICAL TREATMENT  
**(51)** Int. Cl.  
**C22B 1/00** ( 2006.01 )  
**C22B 1/02** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 26/12** ( 2006.01 )  
**H01M 10/0525** ( 2010.01 )  
**H01M 10/54** ( 2006.01 )  
**(87)** WO2022/268792  
**(31)** 21181188.0 **(32)** 23.06.21 **(33)** EP  
**(43)** 29.12.2022  
**(72)** MEESE-MARKTSCHIEFFEL, Juliane; OLBRIICH, Armin; WOLFF, Alexander; EGEBERG, Alexander; SAEUBERLICH, Tino; ZEUGNER, Alexander  
**(74)** Arcadia Intellectual Property
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- (71)** H.C. STARCK TUNGSTEN GMBH  
**(11)** AU-A-2022299267  
**(21)** 2022299267 **(22)** 21.06.2022  
**(54)** PROCESS FOR RECYCLING BATTERY MATERIALS BY WAY OF HYDROMETALLURGICAL TREATMENT  
**(51)** Int. Cl.  
**C22B 3/44** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 3/26** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 26/12** ( 2006.01 )  
**H01M 4/525** ( 2010.01 )  
**H01M 10/54** ( 2006.01 )  
**H01M 10/0525** ( 2010.01 )  
**(87)** WO2022/268797  
**(31)** 21181175.7 **(32)** 23.06.21 **(33)** EP  
**(43)** 29.12.2022  
**(72)** MEESE-MARKTSCHIEFFEL, Juliane; OLBRIICH, Armin; WOLFF, Alexander; ZEUGNER, Alexander; EGEBERG, Alexander; SAEUBERLICH, Tino  
**(74)** Arcadia Intellectual Property
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2021460658  
**(21)** 2021460658 **(22)** 24.08.2021  
**(54)** METHOD OF PROVIDING CLEAN AIR, CLEAN WATER, AND/OR HYDRAULIC CEMENT AT WELL SITES  
**(51)** Int. Cl.  
**B01D 53/78** ( 2006.01 )  
**B01D 53/79** ( 2006.01 )  
**E21B 43/36** ( 2006.01 )  
**E21B 43/38** ( 2006.01 )  
**(87)** WO2023/022740  
**(31)** 17/407,381 **(32)** 20.08.21 **(33)** US  
**(43)** 23.02.2023  
**(72)** NGUYEN, Philip D.; KHAMATNUROVA, Tatyana Vladimirov; DUSTERHOFT, Ronald Glen  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2021461284  
**(21)** 2021461284 **(22)** 30.08.2021  
**(54)** METHOD TO RECOMMEND DESIGN PRACTICES THAT INCREASE THE  
 PROBABILITY OF MEETING CE-  
 MENTING JOB OBJECTIVES  
**(51)** Int. Cl.  
**E21B 33/14** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2023/027737  
**(31)** 17/409,303 **(32)** 23.08.21 **(33)** US  
**(43)** 02.03.2023  
**(72)** JANDHYALA, Siva, Rama, Krishna; SINGH, John, Paul, Bir; YERUBANDI, Krishna, Babu; VARGO JR., Richard, Frank  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** HK INNO.N CORPORATION; KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY  
**(11)** AU-A-2022276958  
**(21)** 2022276958 **(22)** 13.05.2022  
**(54)** BENZAMIDE DERIVATIVE, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF CANCER CONTAINING SAME AS ACTIVE INGREDIENT  
**(51)** Int. Cl.  
**C07D 209/14** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 31/4045** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 209/20** ( 2006.01 )  
**(87)** WO2022/245061  
**(31)** 10-2021-0063304 **(32)** 17.05.21 **(33)** KR  
**(43)** 24.11.2022  
**(72)** KANG, Seockyong; YOON, Daseul; KIM, Hyejeong; PARK, Som Yi; KIM, Dongkyu; PARK, Ji-Yeon; BYEON, Yeji; JO, Hye-Im; JUNG, Seung Hee; CHOI, Seong-Il; LEE, Seung Chul; LEE, Kwangho  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** HOF, G.  
**(11)** AU-A-2022276920  
**(21)** 2022276920 **(22)** 13.05.2022  
**(54)** COVER DEVICE  
**(51)** Int. Cl.  
**E04H 4/08** ( 2006.01 )  
**B65D 88/34** ( 2006.01 )  
**E04H 4/10** ( 2006.01 )  
**(87)** WO2022/241492  
**(31)** A 50399/2021 **(32)** 20.05.21 **(33)** AT  
**(43)** 24.11.2022  
**(72)** HOF, Georg  
**(74)** Halfords IP
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- (71)** HUYABIO INTERNATIONAL, LLC  
**(11)** AU-A-2022271244  
**(21)** 2022271244 **(22)** 04.05.2022  
**(54)** SHP2 INHIBITOR MONOTHERAPY AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/235822  
**(31)** 63/184,710 **(32)** 05.05.21 **(33)** US

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(43) 10.11.2022			(72) TRAN, Tung Thanh; SHIN, Dongwook	(43) 08.12.2022		
(72) SHOJAEI, Farbod; RICONO, Jill M.; GOODENOW, Robert; GILLINGS, Mireille			(74) RnB IP Pty Ltd	(72) VAN RAMPPELBERGH, Jean		
(74) FB Rice Pty Ltd				(74) Spruson & Ferguson		
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(71) I2O THERAPEUTICS, INC.			(71) IFP ENERGIES NOUVELLES	(71) IMERTECH SAS		
(11) AU-A-2022270665			(11) AU-A-2022283549	(11) AU-A-2022286663		
(21) 2022270665	(22) 05.05.2022		(21) 2022283549	(21) 2022286663	(22) 03.06.2022	
(54) IONIC LIQUID FORMULATIONS FOR TREATING INFLAMMATORY AND AUTOIMMUNE DISEASES			(54) METHOD FOR OLIGOMERISATION IN A REACTOR COMPRISING VARIABLE-DIAMETER ZONES, INCLUDING A STEP OF RECYCLING A PRE-COOLED SOLVENT	(54) ANTI-BREAKING ELEMENT COMPRISING A GEOPOLYMER COMBINING FIRE RESISTANCE AND BREAK-IN RESISTANCE		
(51) Int. Cl.			(51) Int. Cl.	(51) Int. Cl.		
A61K 39/395 (2006.01)			C07C 2/32 (2006.01)	C04B 28/00 (2006.01)		
A61K 9/08 (2006.01)			B01J 8/22 (2006.01)	E05G 1/00 (2006.01)		
A61K 39/00 (2006.01)			B01J 10/00 (2006.01)	C04B 111/10 (2006.01)		
A61K 47/10 (2017.01)			C07C 11/107 (2006.01)	C04B 111/20 (2006.01)		
A61K 47/12 (2006.01)				C04B 111/28 (2006.01)		
A61K 47/24 (2006.01)			(87) WO2022/248449			
A61P 29/00 (2006.01)			(31) FR2105617	(87) WO2022/254035		
A61P 37/00 (2006.01)			(43) 01.12.2022	(31) 21305758.1	(32) 04.06.21	(33) EP
C07K 16/24 (2006.01)			(72) COTTE, Olivier; BREUIL, Pierre-Alain	(43) 08.12.2022		
(87) WO2022/235882			(74) Griffith Hack	(72) AUTEF, Alexandre; PERRONNET, Murielle		
(31) 63/184,333	(32) 05.05.21	(33) US		(74) PHILLIPS ORMONDE FITZPATRICK		
(43) 10.11.2022						
(72) BROWN, Tyler; IBSEN, Kelly			(71) ILLINOIS TOOL WORKS INC.	(71) INDIAN INSTITUTE OF SCIENCE		
(74) FB Rice Pty Ltd			(11) AU-A-2022280778	(11) AU-A-2022260830		
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(71) IDS TECHNOLOGY LLC			(21) 2022280778	(21) 2022260830	(22) 24.04.2022	
(11) AU-A-2022280885			(22) 24.05.2022	(54) METHOD, SYSTEM AND ELECTRONIC WEARABLE UNIT FOR CONTROLLING ELECTRICAL STIMULATION TO PELVIC REGION OF SUBJECT		
(21) 2022280885	(22) 26.05.2022		(54) FASTENER DRIVING TOOL	(51) Int. Cl.		
(54) SYSTEMS AND METHODS FOR AUTOMATIC GENERATION OF SOCIAL MEDIA NETWORKS AND INTERACTIONS			(51) Int. Cl.	A61N 1/36 (2006.01)		
(51) Int. Cl.			B25C 1/08 (2006.01)	(87) WO2022/224227		
G06F 16/24 (2019.01)			(87) WO2022/251174	(31) 202141012868	(32) 24.04.21	(33) IN
G06F 16/30 (2019.01)			(31) 21175847.9	(43) 27.10.2022		
G06F 16/95 (2019.01)			(43) 01.12.2022	(72) ARORA, Manish; SHAH, Komal		
G06Q 10/02 (2012.01)			(72) GRANDJEAN, Pascale	(74) FB Rice Pty Ltd		
(87) WO2022/251505			(74) Davies Collision Cave Pty Ltd			
(31) 63/193,180	(32) 26.05.21	(33) US				
(43) 01.12.2022			(71) ILLUMINA, INC.	(71) INNOVATOR ENERGY LLC		
(72) TRAN, Tung Thanh; SHIN, Dongwook			(11) AU-A-2022280886	(11) AU-A-2022264798		
(74) RnB IP Pty Ltd			(21) 2022280886	(21) 2022264798	(22) 29.04.2022	
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(71) IDS TECHNOLOGY LLC			(54) OLIGO-MODIFIED NUCLEOTIDE ANALOGUES FOR NUCLEIC ACID PREPARATION	(54) PROCESS FOR THE PRODUCTION OF METAL OXIDES OR CITRIC ACID		
(11) AU-A-2022283365			(51) Int. Cl.	(51) Int. Cl.		
(21) 2022283365	(22) 26.05.2022		C12Q 1/6806 (2018.01)	A23L 2/40 (2006.01)		
(54) SYSTEMS AND METHODS FOR AUTOMATIC GENERATION OF SOCIAL MEDIA NETWORKS AND INTERACTIONS			C12Q 1/6869 (2018.01)	A23L 2/52 (2006.01)		
(51) Int. Cl.			(87) WO2022/251510	A23L 33/00 (2016.01)		
G01C 21/24 (2006.01)			(31) 63/194,681	(87) WO2022/232493		
G01C 21/26 (2006.01)			(43) 01.12.2022	(31) 17/243,714	(32) 29.04.21	(33) US
G06F 3/048 (2013.01)			(72) GORMLEY, Niall, Anthony; RAN- DISE-HINCHLIFF, Carlo; BRODIN, Jeffrey; MUSGRAVE-BROWN, Esther; SHULTZBERGER, Sarah, E.; SLATER, Andrew; FISHER, Jeffrey, S.	17/243,704	29.04.21	US
G06Q 10/04 (2023.01)			(74) Spruson & Ferguson	17/590,483	01.02.22	US
G06T 11/20 (2006.01)				(43) 03.11.2022		
G06T 19/00 (2011.01)			(71) IMCYSE SA	(72) NOVEK, Ethan		
G06Q 50/30 (2012.01)			(11) AU-A-2022286630	(74) WRAYS PTY LTD		
G06T 11/40 (2006.01)			(21) 2022286630			
G08G 1/01 (2006.01)			(22) 01.06.2022			
H04L 41/14 (2022.01)			(54) IMPROVED METHODS OF TREATMENT USING IMMUNOGENIC PEPTIDES	(71) INSURANCE SERVICES OFFICE, INC.		
(87) WO2022/251498			(51) Int. Cl.	(11) AU-A-2022280781		
(31) 63/193,180	(32) 26.05.21	(33) US	A61P 3/10 (2006.01)	(21) 2022280781	(22) 24.05.2022	
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			A61K 39/00 (2006.01)	(54) SYSTEMS AND METHODS FOR RAPIDLY DEVELOPING ANNOTATED COMPUTER MODELS OF STRUCTURES		
			A61K 47/64 (2017.01)	(51) Int. Cl.		
			C07K 14/62 (2006.01)	G06T 17/05 (2011.01)		
			C12N 9/02 (2006.01)			
			(87) WO2022/253870			

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**G06V 20/20** ( 2022.01 )  
**G06V 20/64** ( 2022.01 )
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(31) 17/329,098 (32) 24.05.21 (33) US  
(43) 01.12.2022  
(72) JENSON, Jacob; REED, Corey David; O'VERY, Brandon; RICHARDSON, Ron; JANKOWSKI, Benjamin  
(74) Davies Collison Cave Pty Ltd
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- (71) INTERCONTINENTAL GREAT BRANDS LLC  
(11) AU-A-2022269548  
(21) 2022269548 (22) 29.04.2022  
(54) SUGAR-FREE CHEWY CONFECTIONERY AND METHOD OF MANUFACTURE  
(51) Int. Cl.  
**A23G 3/34** ( 2006.01 )  
**A23G 3/38** ( 2006.01 )  
**A23G 3/42** ( 2006.01 )
- (87) WO2022/235503  
(31) 63/184,846 (32) 06.05.21 (33) US  
(43) 10.11.2022  
(72) VYAKARANAM, Kiran; ELE-JALDE, Cesar; BOGDAN-SMIGIELSKA, Ewelina; OKSUZ, Tugba; BARANOWSKA, Weronika  
(74) Griffith Hack
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- (71) INTERGRAPH CORPORATION  
(11) AU-A-2022289006  
(21) 2022289006 (22) 08.06.2022  
(54) DATA COLLABORATION BETWEEN SEPARATE COMPUTER-AIDED DISPATCH SYSTEMS  
(51) Int. Cl.  
**G06F 21/62** ( 2013.01 )  
**G06Q 50/26** ( 2012.01 )
- (87) WO2022/261252  
(31) 63/208,454 (32) 08.06.21 (33) US  
17/566,387 30.12.21 US  
(43) 15.12.2022  
(72) BARRETT, Phillip, Henry  
(74) Spruson & Ferguson
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- (71) INTERNATIONAL FRONTIER TECHNOLOGY LABORATORY, INC.  
(11) AU-A-2022274498  
(21) 2022274498 (22) 10.05.2022  
(54) PARTITIONING MEMBER  
(51) Int. Cl.  
**E06B 7/28** ( 2006.01 )
- (87) WO2022/239770  
(31) 2021-080594 (32) 11.05.21 (33) JP  
(43) 17.11.2022  
(72) KOMATSU, Nobuaki  
(74) Davies Collison Cave Pty Ltd
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- (71) INTERNATIONAL N&H DENMARK APS  
(11) AU-A-2022284272  
(21) 2022284272 (22) 31.05.2022  
(54) BACTERIAL STRAINS FOR USE IN PREVENTING, TREATING AND/OR REDUCING SYMPTOMS ASSOCIATED WITH A RHINOVIRUS-INDUCED COLD INFECTION  
(51) Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A61K 35/741** ( 2015.01 )  
**C12R 1/01** ( 2006.01 )
- (87) WO2022/253828  
(31) 63/195,289 (32) 01.06.21 (33) US  
21200118.4 30.09.21 EP  
(43) 08.12.2022  
(72) HIBBERD, Ashley, Ann; LEHTORANTA, Liisa; LEHTINEN, Markus  
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**C10G 17/02** ( 2006.01 )  
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MODULE  
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**B01L 1/04** ( 2006.01 )  
**E04B 1/343** ( 2006.01 )  
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**A61J 1/06** ( 2006.01 )  
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 G06T 5/50 ( 2006.01 )  
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*C08F 8/12* ( 2006.01 )  
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 A24D 1/18 (2006.01)  
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 H02G 7/12 (2006.01)  
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 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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 (21) 2022286943 (22) 01.06.2022  
 (54) ENHANCED TWO-STAGE MICRO-PARTICLE-BASED LOCALIZED THERAPEUTIC DELIVERY SYSTEM  
 (51) Int. Cl.  
 A61K 31/282 (2006.01)  
 A61K 31/28 (2006.01)  
 A61K 31/365 (2006.01)  
 A61K 33/24 (2019.01)  
 A61K 35/13 (2015.01)  
 A61K 31/00 (2006.01)  
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 (43) 08.12.2022  
 (72) GOLDBERG, Manijeh N.; MANZI, Aaron M.; GOLDBERG, Eric R.  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (21) 2022273409 (22) 16.05.2022  
 (54) CHARCOAL PRODUCTS MADE WITH PHENOLIC RESIN BINDER AND METHODS FOR MAKING THEREOF  
 (51) Int. Cl.  
 C10L 5/14 (2006.01)  
 C04B 18/02 (2006.01)  
 C04B 28/02 (2006.01)  
 C10L 5/28 (2006.01)  
 C10L 5/36 (2006.01)  
 C10L 5/44 (2006.01)  
 (87) WO2022/238586  
 (31) 20210607 (32) 14.05.21 (33) NO  
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 (74) Griffith Hack
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 (21) 2022267383 (22) 26.04.2022  
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 (54) METHODS OF TREATING NERVE AGENT-INDUCED SEIZURES  
 (51) Int. Cl.  
 C07D 401/06 (2006.01)  
 A61K 31/5513 (2006.01)  
 A61P 25/00 (2006.01)  
 A61P 25/08 (2006.01)  
 (87) WO2022/261287  
 (31) 63/208,885 (32) 09.06.21 (33) US  
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 (72) TOOMBS, Christopher Francis  
 (74) RNB IP PTY LTD
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 (21) 2022283271 (22) 24.05.2022  
 (54) METHODS FOR TREATING TYPE 1 DIABETES  
 (51) Int. Cl.  
 A61K 35/39 (2015.01)  
 A61P 7/12 (2006.01)  
 A61K 38/28 (2006.01)  
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 (72) LEON, Francisco; RAYMOND, Ralph  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022283272  
 (21) 2022283272 (22) 24.05.2022  
 (54) METHODS FOR TREATING POST-INFECTIOUS AUTOIMMUNE DIABETES  
 (51) Int. Cl.  
 A61P 3/10 (2006.01)  
 A61P 3/08 (2006.01)  
 C07K 16/18 (2006.01)  
 A61P 3/00 (2006.01)  
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 (72) LEON, Francisco  
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 (54) FOLATE RECEPTOR-TARGETED CONJUGATES WITH BRUSH BORDER MEMBRANE EN-

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**(51)** Int. Cl.  
**A61K 47/65** ( 2017.01 )  
**A61K 51/04** ( 2006.01 )  
**A61K 51/08** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2022286603  
**(21)** 2022286603 **(22)** 30.05.2022  
**(54)** PRINTING SYSTEM AND USE OF A PRINTING SYSTEM  
**(51)** Int. Cl.  
**B29C 64/106** ( 2017.01 )  
**B29C 64/227** ( 2017.01 )  
**B29C 64/393** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 30/00** ( 2015.01 )  
**B33Y 50/02** ( 2015.01 )  
**E04G 21/04** ( 2006.01 )  
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**(74)** Griffith Hack
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**(51)** Int. Cl.  
**C04B 24/12** ( 2006.01 )  
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**(54)** SYSTEMS AND METHODS INVOLVING UNIFORM QUANTUM COMPUTING MODEL(S) BASED ON VIRTUAL QUANTUM PROCESSORS  
**(51)** Int. Cl.  
**G06N 10/80** ( 2022.01 )  
**G06F 9/455** ( 2018.01 )  
**G06F 12/08** ( 2016.01 )  
**G06N 3/063** ( 2023.01 )  
**G06N 10/20** ( 2022.01 )  
**G06N 10/40** ( 2022.01 )  
**G06N 10/60** ( 2022.01 )  
**(87)** WO2022/253919  
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**(74)** Griffith Hack
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**(21)** 2021447156 **(22)** 27.08.2021  
**(54)** ANTI-HUMAN INTERFERON  $\alpha$  RECEPTOR 1 MONOCLONAL ANTIBODY AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**C12N 15/13** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** R.P. SCHERER TECHNOLOGIES, LLC  
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**(21)** 2022283289 **(22)** 25.05.2022  
**(54)** METHODS OF CONTROLLING CLEAVAGE OF FORMYLGLYCINE-CONTAINING POLYPEPTIDES  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**C07K 1/06** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )  
**C12P 21/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**A23L 19/00** ( 2016.01 )  
**A23L 33/10** ( 2016.01 )  
**A23L 33/21** ( 2016.01 )  
**A23L 33/22** ( 2016.01 )  
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**(74)** Uppala Rajakaruna
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**(21)** 2022284252 **(22)** 30.05.2022  
**(54)** DETERGENT GEL COMPOSITION COMPRISING A FATTY ALCOHOL ETHOXYLATE  
**(51)** Int. Cl.  
**C11D 1/72** ( 2006.01 )  
**C11D 1/825** ( 2006.01 )  
**C11D 3/06** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/33** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**C11D 17/00** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )  
**(87)** WO2022/253728  
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**(72)** AL-BAYATI, Alias Younis; ROTH, Torsten; WINK, Alexander  
**(74)** Madderns Pty Ltd
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**(21)** 2022285088 **(22)** 30.05.2022  
**(54)** ADDITIVE FOR AUTOMATIC DISHWASHING CYCLE, COMPOSITION, USE AND METHOD OF PREVENTING CORROSION OF ALUMINIUM  
**(51)** Int. Cl.  
**C11D 11/00** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
**C11D 3/08** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 7/08** ( 2006.01 )  
**C11D 7/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**C08J 5/18** ( 2006.01 )  
**C08L 29/04** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )  
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**(11)** AU-A-2022274888  
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**C07K 16/28** ( 2006.01 )

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ZHANG, Bojie  
**(74)** Griffith Hack
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- (71)** REG SYNTHETIC FUELS, LLC  
**(11)** AU-A-2022286396  
**(21)** 2022286396 **(22)** 01.06.2022  
**(54)** PROCESS FOR BIORENEWABLE  
LIGHT PARAFFINIC KEROSENE AND  
SUSTAINABLE AVIATION FUEL  
**(51)** Int. Cl.  
**C10G 3/00** ( 2006.01 )  
**C10G 45/58** ( 2006.01 )  
**C10G 45/62** ( 2006.01 )  
**C10G 65/04** ( 2006.01 )  
**C10L 1/02** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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- (71)** RENEW HEALTH LIMITED  
**(11)** AU-A-2022270064  
**(21)** 2022270064 **(22)** 02.05.2022  
**(54)** SEALING ASSEMBLY AND METHOD  
OF USE THEREOF  
**(51)** Int. Cl.  
**B01D 35/30** ( 2006.01 )  
**B01D 61/08** ( 2006.01 )  
**B01D 63/06** ( 2006.01 )  
**B01D 65/00** ( 2006.01 )  
**B01D 67/00** ( 2006.01 )  
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**(43)** 10.11.2022  
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- (71)** REPARE THERAPEUTICS INC.  
**(11)** AU-A-2022284632  
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**(54)** CRYSTALLINE FORMS, COMPOS-  
ITIONS CONTAINING SAME, AND  
METHODS OF THEIR USE  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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CHIANG YU, Yuly; GAO, Qi; RAVAL,  
Saurin  
**(74)** Pizeys Patent and Trade Mark Attor-  
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**(21)** 2022268154 **(22)** 27.04.2022  
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CLEANING FIREFIGHTING EQUIP-  
MENT  
**(51)** Int. Cl.  
**A62B 29/00** ( 2006.01 )  
**B08B 3/02** ( 2006.01 )  
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**C02F 1/00** ( 2023.01 )  
**C02F 1/52** ( 2023.01 )  
**(87)** WO2022/231504  
**(31)** 2150542-5 **(32)** 28.04.21 **(33)** SE  
**(43)** 03.11.2022  
**(72)** TEGLE, Johan  
**(74)** Madderns Pty Ltd
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- (71)** RESEARCH ENGINEERING & MANU-  
FACTURING, INC.  
**(11)** AU-A-2022288084  
**(21)** 2022288084 **(22)** 10.06.2022  
**(54)** THREAD FORMING AND THREAD  
LOCKING FASTENER  
**(51)** Int. Cl.  
**F16B 25/00** ( 2006.01 )  
**F16B 39/30** ( 2006.01 )  
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**(31)** 17/344,428 **(32)** 10.06.21 **(33)** US  
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FOSMOEN, Benjamin M.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2022276533  
**(21)** 2022276533 **(22)** 20.05.2022  
**(54)** SYSTEM AND METHOD FOR COM-  
PLIANCE PREDICTION BASED  
ON DEVICE USAGE AND PATIENT  
DEMOGRAPHICS  
**(51)** Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**G16H 40/67** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
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**(31)** 63/191,235 **(32)** 20.05.21 **(33)** US  
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STEFFERSON, Michael; NG, Alex;  
CARPENTER, Jason; FIEDLER,  
Alex; MAYNARD, John; SUNDERJI,  
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CHEN, Justin; HITOV, Sam; HO, Ruby;  
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Sunghlee; MYJER, Ian; BAKER, Stan-  
ley; GAO, Gloria  
**(74)** Griffith Hack
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**(11)** AU-A-2022279959  
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**(54)** A PATIENT INTERFACE WITH A HEAT  
AND MOISTURE EXCHANGER  
**(51)** Int. Cl.  
**A61M 16/08** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )  
**A61M 16/10** ( 2006.01 )  
**(87)** WO2022/246519  
**(31)** 2021901586 **(32)** 27.05.21 **(33)** AU  
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**(72)** EBERL, Lorenz; STANISLAS, Luke An-  
drew  
**(74)** James & Wells Intellectual Property
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- (71)** RINTZ, W.  
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**(21)** 2021441505 **(22)** 01.01.2022  
**(54)** INSTANT ALERT NOTIFIER AND  
DOCKING STATION  
**(51)** Int. Cl.  
**G08B 21/02** ( 2006.01 )  
**G08B 25/12** ( 2006.01 )  
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**(43)** 27.10.2022  
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FELTS, Samuel; MOORE, Allen  
**(74)** AJ PARK
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**(11)** AU-A-20222275935  
**(21)** 2022275935 **(22)** 19.05.2022  
**(54)** METHODS OF TREATING MITO-  
CHONDRIA-RELATED DISORDERS  
**(51)** Int. Cl.  
**A61K 31/4168** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**A61P 9/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/246039  
**(31)** 63/191,321 **(32)** 20.05.21 **(33)** US  
63/222,841 16.07.21 US  
63/307,515 07.02.22 US  
**(43)** 24.11.2022  
**(72)** KHAN, Shaharyar; JORKASKY, Diane  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** RIZUN, N.  
**(11)** AU-A-2022289372  
**(21)** 2022289372 **(22)** 07.06.2022  
**(54)** ENRICHED MINERAL PITCH RES-  
IN PRODUCTS AND METHODS OF  
MANUFACTURING ENRICHED MIN-  
ERAL PITCH RESIN PRODUCTS  
**(51)** Int. Cl.  
**A61K 35/04** ( 2006.01 )  
**A01H 6/28** ( 2018.01 )  
**A61K 35/02** ( 2015.01 )  
**A23L 33/105** ( 2016.01 )  
**(87)** WO2022/261126

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 (72) RIZUN, Nodari  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022276922  
 (21) 2022276922 (22) 13.05.2022  
 (54) WHEELCHAIR CUSTOMIZATION SYSTEM, METHODS AND COMPONENTS  
 (51) Int. Cl.  
*B60B 35/00* (2006.01)  
*A61G 5/10* (2006.01)  
*B62K 5/003* (2013.01)  
*B62K 5/023* (2013.01)  
 (87) WO2022/241507  
 (31) 2021901478 (32) 18.05.21 (33) AU  
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 (72) TILLEY, Ryan Kendall  
 (74) Churchill Attorneys
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 (11) AU-A-2022287323  
 (21) 2022287323 (22) 03.06.2022  
 (54) DEVULCANIZING ADDITIVE, RELATIVE METHOD OF DEVULCANIZATION AND DEVULCANIZED PRODUCT  
 (51) Int. Cl.  
*C08J 11/28* (2006.01)  
*B29B 7/46* (2006.01)  
*C08C 19/08* (2006.01)  
*C08J 11/22* (2006.01)  
*C08K 5/14* (2006.01)  
*C08K 5/21* (2006.01)  
 (87) WO2022/254390  
 (31) 102021000014606 (32) 04.06.21 (33) IT  
 (43) 08.12.2022  
 (72) FOCESATO COLOMBANI, Filippo  
 (74) AJ PARK
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 (11) AU-A-2022300011  
 (21) 2022300011 (22) 21.06.2022  
 (54) TIME ALIGNMENT OF SAMPLED RADIO FREQUENCY IN A MULTI-CHANNEL RECEIVER SYSTEM  
 (51) Int. Cl.  
*H04W 56/00* (2009.01)  
*H04B 17/21* (2015.01)  
*H04J 3/06* (2006.01)  
*H03M 1/12* (2006.01)  
 (87) WO2022/271066  
 (31) 2100107-8 (32) 23.06.21 (33) SE  
 (43) 29.12.2022  
 (72) WALLIN, Thomas; GITYE, Gabriel; OLSSON, Rune  
 (74) WRAYS PTY LTD
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 (54) Implant detachment mechanism  
 (51) Int. Cl.  
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 (72) SINGHVI, Abhijeet; SOLANKI, Chirag Maheshbhai; PANDEY, Shivanshu; MUNJANI, Akashkumar Ashokbhai; VASHISHT, Isha  
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 (54) Percutaneous catheter system for implant delivery  
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 (72) SOLANKI, Chirag Maheshbhai; SINGHVI, Abhijeet; PANDEY, Shivanshu  
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 (54) FLUORINATED TRYPTAMINE COMPOUNDS, ANALOGUES THEREOF, AND METHODS USING SAME  
 (51) Int. Cl.  
*C07D 209/04* (2006.01)  
*C07D 209/00* (2006.01)  
*C07D 209/02* (2006.01)  
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 (72) WALLACH, Jason; DYBEK, Michael  
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 (11) AU-A-2022282583  
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 (54) UNDERGROUND DRILLING RIG TRAMMING CONTROL  
 (51) Int. Cl.
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 (51) Int. Cl.  
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 (72) ROLDAN SALDES, Raul  
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 (54) CIITA TARGETING ZINC FINGER NUCLEASES  
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*C12N 9/22* (2006.01)  
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*A61P 37/06* (2006.01)  
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 (54) ANTHRACYCLINE ANTIBODY CONJUGATES  
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 (72) BURKE, Patrick J; HAMILTON, Joseph Z.  
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 (54) HETEROCYCLIC COMPOUND FOR INHIBITING SHP2 ACTIVITY, PREPARATION METHOD THEREFOR AND USE THEREOF  
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*C07D 491/107* ( 2006.01 )  
*A61K 31/497* ( 2006.01 )  
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*A61P 21/00* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) GAS DIFFUSION LAYER FOR AN ELECTROCHEMICAL CELL AND ELECTROCHEMICAL CELL  
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*C25B 9/23* ( 2021.01 )  
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 (54) METHOD FOR OPERATING AN ELECTROLYSIS PLANT, AND ELECTROLYSIS PLANT  
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 (54) METHOD FOR KNITTING DENSE ZONES AND KNIT OBTAINED  
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 (54) CEMENT SLURRY COMPOSITION  
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 (54) DETERMINING REAL-TIME SLEEP STATES USING MACHINE LEARNING TECHNIQUES  
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 (11) AU-A-2022302293  
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 (54) METHOD FOR THE STARTING OF AN ELECTROLYSIS SYSTEM, AND ELECTROLYSIS SYSTEM FOR CARRYING OUT THE METHOD  
 (51) Int. Cl.  
*H02M 1/36* ( 2007.01 )  
*C25B 1/04* ( 2021.01 )  
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(71) STANDING OVATION (11) AU-A-2022287200 (21) 2022287200 (22) 31.05.2022 (54) METHOD FOR PRODUCING CASEIN AND USES THEREOF (51) Int. Cl. A23C 19/02 ( 2006.01 ) A23J 3/10 ( 2006.01 ) C07K 14/47 ( 2006.01 ) C12N 1/06 ( 2006.01 ) C12P 21/00 ( 2006.01 ) (87) WO2022/253816 (31) 21305736.7 (32) 01.06.21 (33) EP 21306294.6 18.09.21 EP 22305313.3 16.03.22 EP			

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*A61K 31/454* ( 2006.01 )  
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 (87) WO2022/250108  
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 (54) METHODS AND DEVICES FOR ORTHOPEDIC SURGICAL TECHNIQUES  
 (51) Int. Cl.  
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*B60C 1/00* ( 2006.01 )  
*C08K 3/04* ( 2006.01 )  
*C08K 9/06* ( 2006.01 )  
*C08L 97/00* ( 2006.01 )  
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*C08K 9/04* ( 2006.01 )  
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*F25B 45/00* ( 2006.01 )  
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*F04C 18/344* ( 2006.01 )  
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*B01D 15/08* ( 2006.01 )  
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**A01N 35/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**A01N 35/06** ( 2006.01 )  
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**E05D 13/00** ( 2006.01 )  
**E05D 15/06** ( 2006.01 )  
**E06B 3/46** ( 2006.01 )  
**E06B 7/28** ( 2006.01 )  
**F16G 13/16** ( 2006.01 )  
**G09F 9/00** ( 2006.01 )  
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**F16L 11/08** ( 2006.01 )  
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**(51)** Int. Cl.  
**H01M 4/139** ( 2010.01 )

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 FORM ESTIMATION DEVICE,  
 VENTRICULAR PRESSURE WAVE-  
 FORM ESTIMATION METHOD,  
 VENTRICULAR PRESSURE WAVE-  
 FORM ESTIMATION PROGRAM, AND  
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**A61B 5/021** ( 2006.01 )  
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**B65G 33/14** ( 2006.01 )  
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**G01N 33/52** ( 2006.01 )  
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**A01D 44/00** ( 2006.01 )  
**A01G 33/00** ( 2006.01 )  
**A01H 13/00** ( 2006.01 )  
**A23K 10/30** ( 2016.01 )  
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**G07C 9/00** ( 2020.01 )  
**B60R 25/24** ( 2013.01 )  
**H04L 9/08** ( 2006.01 )  
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**B29C 53/08** ( 2006.01 )  
**A61M 1/04** ( 2006.01 )
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**A61L 27/56** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**A61P 27/04** ( 2006.01 )  
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**A61P 31/14** ( 2006.01 )
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- (74) FPA Patent Attorneys Pty Ltd
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**B01D 53/047** ( 2006.01 )  
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*E21B 17/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61J 3/00* ( 2006.01 )  
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 (43) 01.12.2022  
 (72) OMURA Yoshihito; OHGAYA Syunji  
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 (51) Int. Cl.  
*G06Q 10/06* ( 2023.01 )  
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 (74) Madderns Pty Ltd

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 (51) Int. Cl.  
*G01N 27/72* ( 2006.01 )  
*G01R 33/02* ( 2006.01 )  
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 (51) Int. Cl.  
*C12N 15/867* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
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(71) TRUE CORNERS, LLC  
 (11) AU-A-2022279128  
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 (54) WALLBOARD FASTENING DEVICE  
 WITH GUIDE FLANGE  
 (51) Int. Cl.  
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 (72) MINEO, Charles W.; MINEO, Samuel J.  
 (74) IP GATEWAY PATENT & TRADE  
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 (11) AU-A-2022270406  
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 (54) VEHICLE PROXIMITY SENSOR SYS-  
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*G01V 3/08* ( 2006.01 )  
*G08G 1/01* ( 2006.01 )  
*G08G 1/042* ( 2006.01 )  
*G08G 1/16* ( 2006.01 )  
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 (72) EDGAR, David; BOZIC, Milos; WROE,  
 Matthew  
 (74) FB Rice Pty Ltd

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 (54) HAZARDOUS MATERIAL MONITOR-  
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*G08B 21/02* ( 2006.01 )  
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 GREGOIRE-WRIGHT, Taylor  
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 (54) PET FOOD PRODUCT AND SPOON  
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 (72) NOBATA Tadatoshi; YAMAMOTO  
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 (74) ALLENS PATENT & TRADE MARK  
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 GORYO CHEMICAL, INC.; SENJU  
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 (54) FLUORESCENT PROBES  
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*C07K 5/062* ( 2006.01 )  
*A61K 49/00* ( 2006.01 )  
*C12Q 1/02* ( 2006.01 )  
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*G01N 33/68* ( 2006.01 )  
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 (54) WEED SEED DESTRUCTION  
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*A01D 41/12* ( 2006.01 )  
*A01F 12/40* ( 2006.01 )  
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(71) UNILEVER GLOBAL IP LIMITED  
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*A61K 8/19* ( 2006.01 )  
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*A61K 8/28* ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(74) FPA Patent Attorneys Pty Ltd
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(51) Int. Cl.  
A01P 1/00 (2006.01)  
A01N 25/10 (2006.01)  
A01N 27/00 (2006.01)  
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A01N 55/00 (2006.01)  
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D21B 1/02 (2006.01)  
A43B 1/06 (2006.01)  
B27K 3/34 (2006.01)  
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C09B 57/00 (2006.01)  
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(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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C08F 293/00 (2006.01)  
A61K 9/14 (2006.01)  
A61K 31/19 (2006.01)  
A61K 47/58 (2017.01)  
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A61P 25/06 (2006.01)  
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A01C 15/04 (2006.01)  
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A01C 17/00 (2006.01)  
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- (71) UPSIDE FOODS, INC.  
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A23L 13/00 (2016.01)  
A23L 3/46 (2006.01)  
A23L 13/40 (2023.01)  
A23P 10/40 (2016.01)  
C12N 5/00 (2006.01)  
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(72) REASE, Morgan, Laurence; WICKE, Antony  
(74) Blackwattle IP
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F16B 21/06 (2006.01)  
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(72) MEIJER, Thomas  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) VERANTOS, INC.  
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G06F 40/216 (2020.01)  
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(72) RISKIN, Daniel; SHROFF, Anand  
(74) FPA Patent Attorneys Pty Ltd
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 ZUIDVELD, Klaas, Pieter; HILL-  
 MANN-WÜLLNER, Petra; METZGER,  
 Friedrich  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** VIELA BIO, INC.  
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**(21)** 2022276507 **(22)** 20.05.2022  
**(54)** CD40L ANTAGONIST AND USES  
 THEREOF IN THE TREATMENT OF  
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**(51)** Int. Cl.  
**A61K 38/39** ( 2006.01 )  
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 DRAPPA, Jorn; REES, William  
**(74)** Spruson & Ferguson
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- (71)** VIRSEC SYSTEMS, INC.  
**(11)** AU-A-2022276742  
**(21)** 2022276742 **(22)** 18.05.2022  
**(54)** QUANTIFICATION OF CYBER RISK IN  
 APPLICATION WORKLOADS  
**(51)** Int. Cl.  
**G06F 21/56** ( 2013.01 )  
**G06F 21/57** ( 2013.01 )  
**(87)** WO2022/246436  
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**(72)** GUPTA, Satya, V.  
**(74)** GLMR
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- (71)** VIRSEC SYSTEMS, INC.  
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**(21)** 2022276743 **(22)** 18.05.2022  
**(54)** AUTOMATED INTERPRETED APPLIC-  
 ATION CONTROL FOR WORKLOADS  
**(51)** Int. Cl.  
**G06F 21/56** ( 2013.01 )  
**G06F 21/12** ( 2013.01 )  
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 SYSTEM  
**(51)** Int. Cl.  
**G06F 21/30** ( 2013.01 )  
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**G06F 21/36** ( 2013.01 )  
**G06Q 10/02** ( 2012.01 )  
**G06Q 10/06** ( 2023.01 )  
**G06Q 50/12** ( 2012.01 )  
**G06V 40/16** ( 2022.01 )  
**G07C 9/00** ( 2020.01 )  
**G07C 9/25** ( 2020.01 )  
**H04L 9/00** ( 2022.01 )  
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**(72)** MILEWSKI, Lloyd  
**(74)** Patentec Patent Attorneys
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- (71)** VON GROZNY, J.F.G.  
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 SPONDER  
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**F03B 13/26** ( 2006.01 )  
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**(72)** VON GROZNY, James Frederick Gorin  
**(74)** Adrian M Trioli Patent and Trade Mark  
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- (71)** VULCO S.A.  
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**(54)** HYDROCYCLONE OPTIMISATION  
**(51)** Int. Cl.  
**B04C 11/00** ( 2006.01 )  
**B04C 5/14** ( 2006.01 )  
**G01H 9/00** ( 2006.01 )  
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**(21)** 2022262772 **(22)** 22.04.2022  
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**(51)** Int. Cl.  
**H02S 20/10** ( 2014.01 )  
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**(72)** EHMAN, S. Kyle; DAVIS, III, Carl M.  
**(74)** Patent Attorney Services
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- (71)** WILKINSON, B.  
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**(54)** PILLOW
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**A47G 9/10** ( 2006.01 )  
**A47C 16/00** ( 2006.01 )  
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**(72)** WILKINSON, Brodie  
**(74)** James & Wells Intellectual Property
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 UAV ENERGY STORAGE UNITS  
**(51)** Int. Cl.  
**B64U 20/96** ( 2023.01 )  
**B64U 50/30** ( 2023.01 )  
**H01M 10/613** ( 2014.01 )  
**H01M 10/625** ( 2014.01 )  
**H01M 10/633** ( 2014.01 )  
**H01M 10/643** ( 2014.01 )  
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**H01M 10/6563** ( 2014.01 )  
**H01M 50/211** ( 2021.01 )  
**H01M 50/213** ( 2021.01 )  
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**(72)** NUBBE, Matthew  
**(74)** Spruson & Ferguson
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 ITED  
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**(54)** ELEVATOR POWER SUPPLY CON-  
 TROL DEVICE AND ELEVATOR SYS-  
 TEM  
**(51)** Int. Cl.  
**B66B 13/22** ( 2006.01 )  
**(87)** WO2023/174078  
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**(72)** PAN, Minjie  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** WYSS CENTER FOR BIO AND  
 NEURO ENGINEERING  
**(11)** AU-A-2022262818  
**(21)** 2022262818 **(22)** 20.04.2022  
**(54)** AUTOMATED DRILLING DEVICE AND  
 METHOD  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )  
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 David, J.; BETTS-LACROIX, Jonathan;  
 GANDAR, Jérôme; LAPINSKI, Matthew  
**(74)** Spruson & Ferguson

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(54) ANTIBODY-NKG2D LIGAND DOMAIN FUSION PROTEIN  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/705 ( 2006.01 )  
(87) WO2022/260659  
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(72) KIM, Kaman; LANDGRAF, Kyle  
(74) Catalyst Intellectual Property
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(51) Int. Cl.  
A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/725 ( 2006.01 )  
C07K 16/28 ( 2006.01 )  
C12N 5/0783 ( 2010.01 )  
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(72) LANDGRAF, Kyle; KIM, Kaman  
(74) Catalyst Intellectual Property
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(54) MONO PRESSURE SYSTEM FOR PRODUCING NITRIC ACID AND METHOD OF OPERATING THEREOF  
(51) Int. Cl.  
C01B 21/26 ( 2006.01 )  
B01D 53/56 ( 2006.01 )  
C01B 21/28 ( 2006.01 )  
C01B 21/38 ( 2006.01 )  
F01K 23/06 ( 2006.01 )  
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(72) VIGELAND, Bent; ØIEN, Halvor; BANASIAK, Krzysztof; DE SMET, Andre; FAUCONNIER, Peter  
(74) Southern Cross Intellectual Property
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C01B 21/26 ( 2006.01 )  
B01D 53/56 ( 2006.01 )  
C01B 21/28 ( 2006.01 )  
C01B 21/38 ( 2006.01 )  
F01K 23/06 ( 2006.01 )  
F01K 27/02 ( 2006.01 )  
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C01B 21/26 ( 2006.01 )  
C01B 21/28 ( 2006.01 )  
C01B 21/38 ( 2006.01 )  
F01K 23/06 ( 2006.01 )  
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(31) 21193029.2 (32) 25.08.21 (33) EP  
(43) 02.03.2023  
(72) VIGELAND, Bent; ØIEN, Halvor; BANASIAK, Krzysztof; DE SMET, Andre; FAUCONNIER, Peter  
(74) Southern Cross Intellectual Property
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- (71) YARA INTERNATIONAL ASA  
(11) AU-A-2022335707  
(21) 2022335707 (22) 25.08.2022  
(54) MONO PRESSURE SYSTEM FOR PRODUCING NITRIC ACID AND METHOD OF OPERATING THEREOF  
(51) Int. Cl.  
C01B 21/26 ( 2006.01 )  
B01D 53/56 ( 2006.01 )  
C01B 21/28 ( 2006.01 )  
C01B 21/38 ( 2006.01 )  
(87) WO2023/025872  
(31) 21193034.2 (32) 25.08.21 (33) EP  
22150921.9 11.01.22 EP  
(43) 02.03.2023  
(72) VIGELAND, Bent; ØIEN, Halvor; FAUCONNIER, Peter; DE SMET, Andre  
(74) Southern Cross Intellectual Property
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- (71) YAZAKI ENERGY SYSTEM CORPORATION  
(11) AU-A-2022298132  
(21) 2022298132 (22) 02.06.2022  
(54) BUILDING  
(51) Int. Cl.  
E04B 1/76 ( 2006.01 )  
(87) WO2022/270272  
(31) 2021-105690 (32) 25.06.21 (33) JP  
(43) 29.12.2022  
(72) NAKAMURA Takuju  
(74) Spruson & Ferguson
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- (71) YEW, H.W.  
(11) AU-A-2022277006  
(21) 2022277006 (22) 29.04.2022  
(54) A FLOW METER SUITABLE FOR DETERMINING FLUID CHARACTERISTICS  
(51) Int. Cl.  
G01F 1/76 ( 2006.01 )  
A61B 5/08 ( 2006.01 )  
A61M 5/14 ( 2006.01 )
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- G01F 1/05 ( 2006.01 )  
G01F 1/56 ( 2006.01 )  
G01F 15/06 ( 2022.01 )  
G01F 15/16 ( 2006.01 )  
G01L 7/18 ( 2006.01 )  
G01N 9/32 ( 2006.01 )  
(87) WO2022/245199  
(31) PI 2021002765 (32) 20.05.21 (33) MY  
(43) 24.11.2022  
(72) YEW, Hoo Weng  
(74) GLMR
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- (71) YUHAN CORPORATION  
(11) AU-A-2022276998  
(21) 2022276998 (22) 20.05.2022  
(54) COMPOSITION FOR COMBINATION THERAPY COMPRISING GROWTH DIFFERENTIATION FACTOR-15 VARIANT AND GLUCAGON-LIKE PEPTIDE-1 RECEPTOR AGONIST  
(51) Int. Cl.  
A61K 38/18 ( 2006.01 )  
A61K 38/26 ( 2006.01 )  
A61K 47/65 ( 2017.01 )  
A61K 47/68 ( 2017.01 )  
A61P 3/04 ( 2006.01 )  
A61P 3/06 ( 2006.01 )  
A61P 3/10 ( 2006.01 )  
C07K 14/475 ( 2006.01 )  
(87) WO2022/245179  
(31) 10-2021-0065563 (32) 21.05.21 (33) KR  
(43) 24.11.2022  
(72) LIM, Seyoung; YANG, Ji Eun; KIM, Sukyung; SIM, Bo Ra; LEE, Yunji; KIM, Do Hoon; JU, Mi Kyeong; CHOI, Hyun Ho; HONG, Han Na; KIM, Junhwan  
(74) Madderns Pty Ltd
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- (71) YUHAN CORPORATION  
(11) AU-A-2022278933  
(21) 2022278933 (22) 20.05.2022  
(54) COMPOSITION FOR PREVENTING OR TREATING NON-ALCOHOLIC FATTY LIVER DISEASE OR NON-ALCOHOLIC STEATOHEPATITIS COMPRISING GROWTH DIFFERENTIATION FACTOR-15 VARIANT  
(51) Int. Cl.  
A61K 38/18 ( 2006.01 )  
A61K 47/65 ( 2017.01 )  
A61K 47/68 ( 2017.01 )  
A61P 1/16 ( 2006.01 )  
C07K 14/475 ( 2006.01 )  
(87) WO2022/245183  
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(43) 24.11.2022  
(72) LIM, Seyoung; YANG, Ji Eun; KIM, Do Hoon; KIM, Sukyung; SIM, Bo Ra; LEE, Yunji; YANG, Nayeon; KIM, Junhwan  
(74) Madderns Pty Ltd
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- (71) ZENO POWER SYSTEMS, INC.  
(11) AU-A-2022294893  
(21) 2022294893 (22) 16.06.2022  
(54) FUEL FABRICATION PROCESS FOR RADIOISOTOPE THERMOELECTRIC GENERATORS  
(51) Int. Cl.  
G21H 1/10 ( 2006.01 )



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**G21G 4/06** ( 2006.01 )

- (87) WO2022/266381  
(31) 63/211,498 (32) 16.06.21 (33) US  
(43) 22.12.2022  
(72) MATTHEWS, Jacob; WHITING,  
Christofer Erin; BARKLAY, Chadwick  
Douglas  
(74) Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
- 

- (71) ZTE CORPORATION  
(11) AU-A-2021459631  
(21) 2021459631 (22) 12.08.2021  
(54) SYSTEMS AND METHODS FOR ES-  
TABLISHING SHARED N3 TUNNEL  
(51) Int. Cl.  
**H04W 76/12** ( 2018.01 )  
(87) WO2023/015519  
(43) 16.02.2023  
(72) LIU, Yansheng; MA, Zijiang; LI, Dapeng  
(74) Spruson & Ferguson
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- (71) ZTE CORPORATION  
(11) AU-A-2022433142  
(21) 2022433142 (22) 13.01.2022  
(54) SYSTEM AND METHOD FOR DE-  
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DOWNLINK SIGNAL IN A LINK RE-  
COVERY PROCEDURE  
(51) Int. Cl.  
**H04W 36/30** ( 2009.01 )  
**H04W 76/18** ( 2018.01 )  
(87) WO2023/133754  
(43) 20.07.2023  
(72) GAO, Bo; LU, Zhaohua; YAO, Ke;  
ZHANG, Shujuan; SHAO, Shijia  
(74) Spruson & Ferguson

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2021449655	TAROKO DOOR & WINDOW TECHNOLOGIES, INC.	2022267888	MIZUFALLS SA
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2021450034	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2022268667	THREE SMITH GROUP LIMITED
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2022260520	KRAUSE, G.M.; KRAUSE, G.M.	2022270087	ECOVATIVE DESIGN LLC
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2022260814	JANSSEN BIOTECH, INC.	2022270140	AIM IMMUNOTECH INC.
2022260830	INDIAN INSTITUTE OF SCIENCE	2022270154	STRONG FORCE IOT PORTFOLIO 2016, LLC
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2022262691	PEEQUAL LTD	2022271679	ADIENNE S.A.
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2022262772	WATERSHED GEOSYNTHETICS, LLC	2022272319	GLAUKOS CORPORATION
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2022263379	JANSSEN PHARMACEUTICA NV	2022273070	BOUNDARY ENERGY INC.
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2022274234	STRONG FORCE VCN PORTFOLIO 2019, LLC	2022278625	SUNCOAL INDUSTRIES GMBH
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2022274556	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2022278637	UNIVERSITE CATHOLIQUE DE LOUVAIN
2022274888	REGENERON PHARMACEUTICALS, INC.	2022278799	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
2022274936	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES	2022278933	YUHAN CORPORATION
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2022275564	ADOVATE, LLC	2022279235	ARMGO PHARMA, INC.
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2022276324	UNICHARM CORPORATION	2022280072	ABS GLOBAL, INC.
2022276359	ELAFLEX HIBY GMBH & CO. KG	2022280367	NICOVENTURES TRADING LIMITED
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2022276537	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2022280871	EMORY UNIVERSITY
2022276698	DAICEL CORPORATION; DAIKIN INDUSTRIES, LTD.	2022280885	IDS TECHNOLOGY LLC
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2022276789	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	2022280934	UNIVERSITY OF MARYLAND, COLLEGE PARK
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2022276922	ROVE CONCEPTS PTY LTD	2022281059	VON GROZNY, J.F.G.
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2022285088	RECKITT BENCKISER FINISH B.V.	2022291835	ASTURA MEDICAL INC.
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2022285468	GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	2022292963	NICOVENTURES TRADING LIMITED
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2022286396	REG SYNTHETIC FUELS, LLC	2022293781	LINDE GMBH; LINDE KRYOTECHNIK AG
2022286402	THE TORO COMPANY	2022294127	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED
2022286487	ENVISION ENDOSCOPY, INC.	2022294197	NICOVENTURES TRADING LIMITED
2022286603	PUTZMEISTER ENGINEERING GMBH	2022294335	MITSUBISHI HEAVY INDUSTRIES, LTD.
2022286630	IMCYSE SA	2022294372	THE UAB RESEARCH FOUNDATION; RESBIOTIC NUTRITION, INC.
2022286663	IMERTECH SAS	2022294562	TERUMO KABUSHIKI KAISHA
2022286690	BAE SYSTEMS PLC	2022294703	THE UNIVERSITY OF WESTERN AUSTRALIA
2022286727	FISHER & PAYKEL HEALTHCARE LIMITED	2022294877	CHART ENERGY & CHEMICALS, INC.
2022286857	LIGHTFORCE ORTHODONTICS INC.	2022294893	ZENO POWER SYSTEMS, INC.
2022286885	GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	2022295073	AURUBIS AG
2022286886	GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.	2022295126	ST ANDREWS PHARMACEUTICAL TECHNOLOGY LIMITED
2022286943	PRIVO TECHNOLOGIES, INC.	2022295489	NEXCADE CO.,LTD.
2022286966	GILEAD SCIENCES, INC.	2022295993	IPQ PTY LTD
2022287013	SAINT JOSEPH'S UNIVERSITY; COMPASS PATHFINDER LTD.	2022296033	ADVANCED POTASH TECHNOLOGIES, LTD.
2022287014	AMGEN RESEARCH (MUNICH) GMBH; AMGEN INC.	2022296120	JFE STEEL CORPORATION
2022287200	STANDING OVATION	2022296424	SUNDHEIM, G.S.
		2022296780	BIO-TRIP B.V.
		2022297017	CHENG, P.P.
		2022297106	TOHOKU TECHNO ARCH CO., LTD.; GORYO CHEMICAL, INC.; SENJU PHARMACEUTICAL CO., LTD.
		2022297367	GILEAD SCIENCES, INC.
		2022297752	MAHINDRA & MAHINDRA LIMITED
		2022297803	VERSAMEB AG
		2022297943	JFE STEEL CORPORATION
		2022298132	YAZAKI ENERGY SYSTEM CORPORATION
		2022298186	PEPTRON, INC.

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2022298639	GILEAD SCIENCES, INC.	2022331909	Sahajanand Medical Technologies Limited
2022298734	CAPITAL ONE SERVICES, LLC.	2022332625	YARA INTERNATIONAL ASA
2022299051	GILEAD SCIENCES, INC.	2022332691	DENNIS, S.; DENNIS, S.
2022299145	SYNGENTA CROP PROTECTION AG	2022333253	YARA INTERNATIONAL ASA
2022299200	BETA VIST GMBH	2022335706	YARA INTERNATIONAL ASA
2022299266	H.C. STARCK TUNGSTEN GMBH	2022335707	YARA INTERNATIONAL ASA
2022299267	H.C. STARCK TUNGSTEN GMBH	2022347466	SUNRESIN NEW MATERIALS CO.LTD.
2022299348	PERFUSION TECH APS	2022351455	F. HOFFMANN-LA ROCHE AG
2022299380	MERZ PHARMA GMBH & CO. KGAA	2022353620	FUJI OIL HOLDINGS INC.
2022299404	CYTUNE PHARMA; SOTIO BIOTECH A.S.	2022355346	LG CHEM, LTD.
2022299436	BOSTON SCIENTIFIC SCIMED, INC.	2022355952	LG CHEM, LTD.
2022299846	CHUGAI SEIYAKU KABUSHIKI KAISHA	2022358001	LG CHEM, LTD.
2022300011	SAAB AB	2022358643	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
2022300016	CALVEA AB	2022360024	VISUAL DATA PTY LTD
2022300129	SIEMENS ENERGY GLOBAL GMBH & CO. KG	2022370400	PALO ALTO NETWORKS (ISRAEL ANALYTICS) LTD.
2022300188	APEX BRANDS, INC.	2022376563	ALKAHEST, INC.
2022301039	CAREFUSION 303, INC.	2022395328	BEIJING GOLDWIND SCIENCE & CREATION WIND-POWER EQUIPMENT CO., LTD.
2022302171	DENALI THERAPEUTICS INC.	2022406621	WING AVIATION LLC
2022302293	SMA SOLAR TECHNOLOGY AG; SUNFIRE GMBH	2022433142	ZTE CORPORATION
2022302781	ARTECO NV	2022438263	NOVA SOUTHEASTERN UNIVERSITY, INC.
2022303174	6K INC.	2023202807	ANDURIL INDUSTRIES, INC.
2022303461	JAYARAM, N.	2023216735	QINGDAO UNIVERSITY OF TECHNOLOGY
2022304526	ACROVIZ USA INC.	2023219960	Jiangnan Environmental Technology Inc
2022304547	MICRO MOTION, INC.	2023222838	JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.
2022304605	VÄLINGE INNOVATION AB	2023222850	JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
2022304691	ALLNEX USA INC.	2023222861	JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
2022304902	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)	2023223693	IXS CO., LTD.
2022305107	SIKA TECHNOLOGY AG	2023236513	WINONE ELEVATOR COMPANY LIMITED
2022305788	PHILIP MORRIS PRODUCTS S.A.	2023244792	KORTUC JAPAN LLC; TAISEI KAKO CO., LTD.
2022305828	PHILIP MORRIS PRODUCTS S.A.		
2022306010	BIOLIFE SOLUTIONS, INC.		
2022306931	SYNGENTA CROP PROTECTION AG		
2022306937	UNILEVER GLOBAL IP LIMITED		
2022306949	PHILIP MORRIS PRODUCTS S.A.		
2022307252	O.C.O. TECHNOLOGY LTD		
2022307758	PHILIP MORRIS PRODUCTS S.A.		
2022307852	ESSITY HYGIENE AND HEALTH AKTIEBOLAG		
2022308067	GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.; HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD.		
2022308318	SYNGENTA CROP PROTECTION AG		
2022308319	SYNGENTA CROP PROTECTION AG		
2022308895	PHILIP MORRIS PRODUCTS S.A.		
2022309104	SYNGENTA CROP PROTECTION AG		
2022309867	BOSTON SCIENTIFIC SCIMED INC.		
2022311071	PHILIP MORRIS PRODUCTS S.A.		
2022311503	SIGVARIS AG		
2022311514	PHILIP MORRIS PRODUCTS S.A.		
2022312150	BARILLA G. E R. FRATELLI S.P.A.		
2022312359	KANDO INNOVATION LIMITED		
2022312434	BOSTON SCIENTIFIC SCIMED INC.		
2022312530	BEIJING JINGDONG QIANSHI TECHNOLOGY CO., LTD.		
2022312668	COSMO ARTIFICIAL INTELLIGENCE - AI LIMITED		
2022315496	KETOSWISS AG		
2022317524	TRITANA INTELLECTUAL PROPERTY LTD.		
2022319996	ASPLAND, K.J.; GRIFFIN, L.J.		
2022320058	KAIRISH INNOTECH PRIVATE LTD.		
2022321657	GEBERIT INTERNATIONAL AG		
2022323258	STEPAN COMPANY		
2022323905	VULCO S.A.		
2022324220	KANDO INNOVATION LIMITED		
2022325796	CHAMBERTECH LTD		
2022325874	SUMMA HEALTH SYSTEM		
2022326662	GD MIDEA HEATING VENTILATING EQUIPMENT CO., LTD; HEFEI MIDEA HEATING VENTILATING EQUIPMENT CO., LTD		
2022328867	BONEBRIDGE AG		
2022329626	LEXUR LIMITED		
2022329736	BRIGGS AND RILEY TRAVELWARE, LLC		
2022331908	Sahajanand Medical Technologies Limited		

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2022295993	2022282832		2022291162	2022319996	2021452315 2022267383 2022277006 2022289862 2022290631 2022294562 2022299348 2022304526 2022351455
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2022268919	2022261138	2022280774	2022270087	2022279244	
<b>A01C 17 /-</b>	<b>A01N 35 /-</b>	<b>A01P 3 /-</b>	<b>A23L 33 /-</b>	<b>A46B 17 /-</b>	
2022268919	2022282832 2022306931 2022308318	2022280774 2022282832	2022264798 2022266386 2022268958 2022276958 2022282664 2022287240 2022289372 2022294372	2022329626	
<b>A01C 7 /-</b>	2022308319 2022309104	<b>A21C 11 /-</b>		<b>A47B 47 /-</b>	<b>A61B 90 /-</b>
2022268919		2022312150		2022304605	2022262818 2022292462
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2022317524	2022306931 2022308318 2022308319 2022309104	2022312150	<b>A23L 7 /-</b>	2022269356	<b>A61C 7 /-</b>
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2022278042	<b>A01N 39 /-</b>	2022312150	<b>A23P 10 /-</b>	2022269356	<b>A61F 13 /-</b>
<b>A01F 12 /-</b>	2022306931	<b>A23C 19 /-</b>	2022291162	<b>A47J 36 /-</b>	2021443104 2022260441 2022263435 2022280044
2022317524	<b>A01N 41 /-</b>	2022287200 2022353620	<b>A24B 15 /-</b>	2022278346	
<b>A01G 18 /-</b>	2022308318	<b>A23D 7 /-</b>	2022305788 2022305828 2022306949 2022307758 2022308895 2022311071 2022311514	<b>A47K 10 /-</b>	<b>A61F 2 /-</b>
2022270087	<b>A01N 43 /-</b>	2022281173		2021443968 2021454939 2021455028 2021455100 2022307852	2022266771 2022266798 2022269376 2022272319 2022279745 2022284954 2022291835 2022331908 2022331909
<b>A01G 24 /-</b>	2022280774 2022299145 2022306931 2022308318 2022309104	<b>A23D 9 /-</b>	<b>A24C 5 /-</b>	2021443968	
2022270087		2022281173	2022292963	<b>A61B 1 /-</b>	<b>A61F 5 /-</b>
<b>A01G 33 /-</b>	<b>A01N 47 /-</b>	2022269548	<b>A24D 1 /-</b>	2022309867 2022312434	2022266798
2022278042	2022306931 2022308318 2022308319 2022309104	<b>A23J 3 /-</b>	2022292963 2022294197 2022305788 2022307758 2022308895 2022311071 2022311514	<b>A61B 17 /-</b>	<b>A61F 9 /-</b>
<b>A01H 1 /-</b>	<b>A01N 55 /-</b>	2022287200	<b>A24F 40 /-</b>	2022262818 2022266771 2022275967 2022279745 2022284954 2022286487 2022291835 2022292462 2022312434 2022325874 2022328867	2022272319 2022279745 2022284954 2022291835 2022331908 2022331909
2022261366	2022282832 2022289440	<b>A23K 10 /-</b>		<b>A61B 18 /-</b>	
<b>A01H 13 /-</b>	<b>A01N 57 /-</b>	2022276324 2022278042	<b>A23K 20 /-</b>	2022325796	<b>A61G 5 /-</b>
2022278042	2022309104	2022278042	2022278042	<b>A61J 1 /-</b>	2022276922
<b>A01H 5 /-</b>	<b>A01N 59 /-</b>	<b>A23K 50 /-</b>	2022280367 2022281117 2022291260	2022264573 2022320058 2023244792	
2022261366	2022289440	2022276324 2022278042	<b>A43B 1 /-</b>	<b>A61J 15 /-</b>	
<b>A01H 6 /-</b>	<b>A01N 65 /-</b>	<b>A23L 13 /-</b>	2022280934	2022280766	
2022261366 2022289372	2022309104	2022291162	<b>A45C 5 /-</b>	<b>A61J 3 /-</b>	
<b>A01K 67 /-</b>	<b>A01P 1 /-</b>	<b>A23L 19 /-</b>	2022329736	2022282770	
2022280072	2022282832	2022268958	<b>A45D 19 /-</b>	<b>A61B 3 /-</b>	
<b>A01N 1 /-</b>	2022282832	<b>A23L 2 /-</b>	2022279244	2022276517	<b>A61K 31 /-</b>
2022306010	2022282832 2022289440	2022264798	<b>A45D 34 /-</b>	2022262818 2022299436 2022325796	2022256650 2022260814 2022260860
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2022261138 2022282832 2022289440 2022323258	2022280774 2022306931				

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2022268681	2022289484	2022276998		2022282786	2022276958
2022270107	2022355346	2022277025	2022289880	2022292905	2022277860
2022270140	2022358001	2022278933		2022297803	2022278379
2022270208		2022283467	<b><u>A61M 1 /-</u></b>		2022280025
2022270648	<b><u>A61K 36 /-</u></b>	2022286630		<b><u>A61P 25 /-</u></b>	2022280871
2022270752		2022287943	2022262825		2022280921
2022271244	2022268681	2022289297	2022290995	2021447156	2022281448
2022272326	2022278042	2022290855		2022270107	2022282380
2022273051	2022292905	2022292905	<b><u>A61M 16 /-</u></b>	2022270140	2022282786
2022273846		2022296780		2022278379	2022282869
2022274936	<b><u>A61K 38 /-</u></b>	2022302171		2022282786	2022283467
2022275546			2022279959	2022289297	2022284249
2022275935	2022260528	<b><u>A61K 48 /-</u></b>	2022280380	2022291138	2022284632
2022276509	2022260860		2022286727	2022298186	2022284939
2022276958	2022269607	2022269607	<b><u>A61M 25 /-</u></b>	2022302171	2022287014
2022276995	2022274556	2022273863		2022315496	2022287943
2022277025	2022275666	2022283922	2022262825		2022288073
2022277294	2022276507		2022269376	<b><u>A61P 27 /-</u></b>	2022289297
2022277299	2022276995	<b><u>A61K 49 /-</u></b>	2022280773		2022289484
2022277860	2022276998			2022269607	2022290823
2022277989	2022278933	2022297106	<b><u>A61M 39 /-</u></b>	2022282786	2022290855
2022278379	2022279235	2022299200		2022283808	2022291369
2022278549	2022279242		2022269376	<b><u>A61P 29 /-</u></b>	2022297367
2022278550	2022279663	<b><u>A61K 51 /-</u></b>	2022301039		2022297803
2022279234	2022283271			2021447156	2022298639
2022280025	2022283289	2022271866	<b><u>A61M 5 /-</u></b>	2022270665	2022299051
2022280871	2022283922	2022277294		2022278379	2022299404
2022281304	2022288080	2022278549	2022277006	2022282786	2022299846
2022281388	2022289484		2022280766	2022289484	
2022281448	2022295126	<b><u>A61K 8 /-</u></b>	2022281370		<b><u>A61P 37 /-</u></b>
2022282380	2022298186		2022301039	<b><u>A61P 3 /-</u></b>	2021447156
2022282651	2022299404	2021454939	2023244792		2022270665
2022282786	<b><u>A61K 39 /-</u></b>	2022268681		2021447156	2022271679
2022282834		2022281415	<b><u>A61N 1 /-</u></b>	2022256650	2022276507
2022283357	2021447156	2022306937		2022273051	2022277025
2022284249	2021449810	2022355346	2022260830	2022275935	2022281328
2022284632	2022260814	2022358001		2022276995	2022289484
2022284939	2022261725	<b><u>A61K 9 /-</u></b>	<b><u>A61P 1 /-</u></b>	2022276998	2022296780
2022286943	2022265735			2022282786	2022299404
2022286966	2022270665	2022260528	2021447156	2022283272	
2022287013	2022271679	2022265735	2022275935	2022283357	<b><u>A61P 43 /-</u></b>
2022287943	2022275666	2022268681	2022278933	2022286630	2022273846
2022288073	2022276433	2022270419	2022282651	2022298186	2022275935
2022289297	2022280921	2022270665	2022282786		2022277989
2022290823	2022282869	2022273846	2022286966	<b><u>A61P 31 /-</u></b>	2022282786
2022290861	2022286630	2022274556	2022298186		2022286966
2022291138	2022289484	2022276440		2022260860	2022289297
2022292709	2022291369	2022277025	<b><u>A61P 11 /-</u></b>	2022265735	2022292905
2022292905	2022299846	2022286966		2022274556	2022299145
2022294127	<b><u>A61K 45 /-</u></b>	2022288678	2022282786	2022277025	
2022297367		2022288810	2022294372	2022279234	<b><u>A61P 5 /-</u></b>
2022298639	2022273846	2022289140	<b><u>A61P 13 /-</u></b>	2022282834	2022282786
2022299051	2022276958	2022289297		2022289484	
2022315496	2022276995	2022290020	<b><u>A61P 15 /-</u></b>	2022297367	
2022376563	2022276995	2022296780		2022298639	<b><u>A61P 7 /-</u></b>
	2022277294	2022298186	2022282786	2022299051	
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	2022279235	2022358001	<b><u>A61P 17 /-</u></b>	<b><u>A61P 35 /-</u></b>	2022274888
2022260814	2022279235				2022282786
2022286943	2022286966	<b><u>A61L 2 /-</u></b>	2021447156	2022294127	2022283271
	2022315496		2022268681	2022299145	2022283357
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		<b><u>A61L 27 /-</u></b>		2021449810	2022275935
2022268681	2022261982		<b><u>A61P 19 /-</u></b>	2022256650	2022281415
2022280072	2022265735	2022283426		2022261725	2022282786
2022282664	2022270208	2022299380	2022278379	2022271244	2022296780
2022282869	2022270665		2022282786	2022274936	
2022283271	2022270752	<b><u>A61L 29 /-</u></b>	<b><u>A61P 21 /-</u></b>	2022275935	
2022283426	2022271866			2022276433	
2022284272	2022273846	2022289880	2022266386		
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				2022262825	2022297752
<u>A61Q 15 /-</u>	<u>B01D 67 /-</u>	<u>B04C 11 /-</u>	<u>B23K 26 /-</u>		
2022306937	2022270064	2022323905	2021445955	<u>B29C 64 /-</u>	<u>B60R 22 /-</u>
				2022286603	2022269314
<u>A61Q 19 /-</u>	<u>B01D 69 /-</u>	<u>B04C 5 /-</u>	<u>B23K 31 /-</u>	<u>B29C 70 /-</u>	
2022268681	2022270064	2022323905	2021445955	2022260520	<u>B60R 25 /-</u>
					2022283377
<u>A62B 29 /-</u>	<u>B01F 21 /-</u>	<u>B05B 1 /-</u>	<u>B23K 37 /-</u>	<u>B32B 27 /-</u>	
2022268154	2022295126	2022281467	2021445955	2022280044	<u>B60R 9 /-</u>
				2022289307	2022332691
<u>A63B 69 /-</u>	<u>B01F 23 /-</u>	<u>B07B 1 /-</u>	<u>B23K 9 /-</u>		
2022273059	2022275999	2022307252	2021445955	<u>B32B 37 /-</u>	<u>B60S 1 /-</u>
	2022282876				
<u>A63F 13 /-</u>	<u>B01F 27 /-</u>	<u>B08B 17 /-</u>	<u>B23P 6 /-</u>	2022280044	2022297752
2022295489	2022282597	2022262696	2022297017	<u>B33Y 10 /-</u>	<u>B62K 5 /-</u>
<u>B01D 15 /-</u>	<u>B01F 35 /-</u>	<u>B08B 3 /-</u>	<u>B25C 1 /-</u>	2022286603	2022276922
2022347466	2022275999	2022268154	2022280778	<u>B33Y 30 /-</u>	<u>B63B 25 /-</u>
<u>B01D 21 /-</u>	<u>B01J 10 /-</u>	<u>B08B 7 /-</u>	<u>B25J 11 /-</u>	2022286603	2022274234
2022282648	2022283549	2022307252	2022274234	<u>B33Y 50 /-</u>	<u>B63B 35 /-</u>
<u>B01D 33 /-</u>	<u>B01J 19 /-</u>	<u>B08B 9 /-</u>	<u>B25J 21 /-</u>	2022274234	2022303461
2022267888	2022268729	2022262696	2022287690	2022286603	<u>B63B 39 /-</u>
	2022303174	2022307252		<u>B44D 3 /-</u>	2022303461
<u>B01D 35 /-</u>	<u>B01J 2 /-</u>	<u>B22C 9 /-</u>	<u>B25J 9 /-</u>	2022329626	<u>B63G 8 /-</u>
2022270064	2022307252	2022295073	2022274234	<u>B60B 15 /-</u>	2022286690
				2022264961	<u>B63G 9 /-</u>
<u>B01D 46 /-</u>	<u>B01J 3 /-</u>	<u>B22F 1 /-</u>	<u>B26B 3 /-</u>	2022292462	<u>B63G 9 /-</u>
2022280451	2022307252	2022269284	2022292462	<u>B60B 17 /-</u>	2022286690
		2022303174		2022297017	
<u>B01D 53 /-</u>	<u>B01J 37 /-</u>	<u>B22F 10 /-</u>	<u>B26D 1 /-</u>	2022297017	<u>B63H 1 /-</u>
2021460658	2022275856	2022303174	2022312359	<u>B60B 33 /-</u>	2022273275
2022280451				2022329736	<u>B63H 19 /-</u>
2022288144	<u>B01J 8 /-</u>	<u>B22F 9 /-</u>	<u>B26D 7 /-</u>	<u>B60B 35 /-</u>	2022303461
2022294703	2022283549	2022269284	2022324220	2022276922	<u>B63H 5 /-</u>
2022294877				<u>B60B 5 /-</u>	2022273275
2022300129	<u>B01L 1 /-</u>	<u>B23D 49 /-</u>	2022300188	2022329736	<u>B64C 13 /-</u>
2022332625	2022283370	2022300188	<u>B27G 19 /-</u>	2022329736	2022283385
2022333253	<u>B01L 3 /-</u>	<u>B23D 51 /-</u>	2022324220	<u>B60B 9 /-</u>	<u>B64C 29 /-</u>
2022335707	2022267252	2022300188	<u>B27K 3 /-</u>	2022329736	2022279974
2023219960	2022281546	<u>B23D 55 /-</u>	2022280934	<u>B60C 1 /-</u>	<u>B64C 39 /-</u>
2023222838		2022312359	<u>B29B 17 /-</u>	2022277800	2022279974
2023222850	<u>B03B 5 /-</u>	<u>B23K 10 /-</u>	2022270416	2022278625	2022283385
2023222861	2022282876	2021445955	2022270981	<u>B60H 3 /-</u>	2022283385
<u>B01D 59 /-</u>	<u>B03C 5 /-</u>	<u>B23K 103 /-</u>	<u>B29B 7 /-</u>	2022297752	<u>B64D 33 /-</u>
2022293781	2022281546	2021445955	2022287323	<u>B60N 2 /-</u>	2022279974
			<u>B29C 48 /-</u>	2022263366	
<u>B01D 61 /-</u>	<u>B03D 1 /-</u>			2022269314	
2022267888					
2022270064					
2022282382					
<u>B01D 63 /-</u>					
2022270064					



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<b><u>B64U 20 /-</u></b>	<b><u>C01B 23 /-</u></b>	<b><u>C05G 3 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07J 31 /-</u></b>	<b><u>C08C 19 /-</u></b>
2022406621	2022294703	2022323258	2022282380 2022282786	2022273995	2022287323
<b><u>B64U 50 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C05G 5 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07J 41 /-</u></b>	<b><u>C08F 18 /-</u></b>
2022406621	2022271050 2022275856 2022278200 2022300129	2022296033	2022282834	2022273995	2022289307
<b><u>B65B 25 /-</u></b>	<b><u>C01B 33 /-</u></b>	<b><u>C07C 11 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C07J 71 /-</u></b>	<b><u>C08F 293 /-</u></b>
2021455028	2022277989 2022278200	2022283549	2022282380 2022282786 2022282834	2022273995	2022289297
<b><u>B65B 63 /-</u></b>	<b><u>C01B 33 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C07J 9 /-</u></b>	<b><u>C08F 8 /-</u></b>
2021455028	2022277989 2022278200	2022283549	2022282380 2022282786 2022282834	2022273995	2022289307
<b><u>B65D 81 /-</u></b>	<b><u>C01C 1 /-</u></b>	<b><u>C07C 231 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08G 18 /-</u></b>
2022273706	2022278502	2022261982	2022282380 2022282786 2022282834 202229145	2022283289	2022304691
<b><u>B65D 83 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C07D 207 /-</u></b>	<b><u>C07D 451 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08G 61 /-</u></b>
2021443968	2022347466	2022277025	2022282786	2021449810 2022260528 2022260860 2022261436 2022261882 2022263381 2022269297 2022275666 2022276507 2022276998 2022278933 2022286630 2022287200 2022291369 2022299404	2022276440
<b><u>B65D 88 /-</u></b>	<b><u>C01F 7 /-</u></b>	<b><u>C07D 209 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C08G 77 /-</u></b>	<b><u>C08G 77 /-</u></b>
2022274234 2022276920	2022272333	2022276958 2022282834 2022287013 2022288073	2022278379 2022282380 2022284249 2022284632 2022284939 2022297367 2022298639	202226440	2022276440
<b><u>B65G 11 /-</u></b>	<b><u>C01G 23 /-</u></b>	<b><u>C07D 211 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C08J 11 /-</u></b>	<b><u>C08J 11 /-</u></b>
2022307252	2022263077	2022282786	2022276433 2022282380 2022282786 2022297367 2022299051	2022287323	2022287323
<b><u>B65G 33 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 221 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C08J 5 /-</u></b>	<b><u>C08J 5 /-</u></b>
2022284258	2022268154 2022275999 2022282382	2022282786	2022274936 2022279234 2022282380	2022285106	2022285106
<b><u>B65G 43 /-</u></b>	<b><u>C04B 103 /-</u></b>	<b><u>C07D 223 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C08K 3 /-</u></b>	<b><u>C08K 3 /-</u></b>
2022275564	2022281064	2022282786	2022276433 2022282380 2022282786 2022297367 2022299051	2022277800 2022278625	2022277800 2022278625
<b><u>B65G 47 /-</u></b>	<b><u>C04B 111 /-</u></b>	<b><u>C07D 243 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C08K 5 /-</u></b>
2022275564	2022281064 2022286663	2022282786	2022274936 2022279234 2022282380	2022287323	2022287323
<b><u>B66B 13 /-</u></b>	<b><u>C04B 18 /-</u></b>	<b><u>C07D 251 /-</u></b>	<b><u>C07D 495 /-</u></b>	<b><u>C08K 9 /-</u></b>	<b><u>C08K 9 /-</u></b>
2023236513	2022273409	2022270648	2022280025 2022294127	2022277800 2022278625	2022277800 2022278625
<b><u>B66B 19 /-</u></b>	<b><u>C04B 24 /-</u></b>	<b><u>C07D 307 /-</u></b>	<b><u>C07D 513 /-</u></b>	<b><u>C08L 29 /-</u></b>	<b><u>C08L 29 /-</u></b>
2021451474	2022281064 2023216735	2022256650	2022282380 2022284249	2022285106	2022285106
<b><u>B67D 1 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07D 333 /-</u></b>	<b><u>C07D 519 /-</u></b>	<b><u>C08L 97 /-</u></b>	<b><u>C08L 97 /-</u></b>
2021443968 2022262696	2022273409 2022281064 2022286663 2022305107	2022256650	2022297367 2022298639 2022299051	2022277800 2022278625	2022277800 2022278625
<b><u>B67D 7 /-</u></b>	<b><u>C05D 9 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07D 515 /-</u></b>	<b><u>C09B 57 /-</u></b>	<b><u>C09B 57 /-</u></b>
2022276359	2022296033	2022282786 2022282834 2022284249 2022284939 2022291138	2022284249	2022272326	2022272326
<b><u>B82Y 30 /-</u></b>	<b><u>C05F 11 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C09D 11 /-</u></b>	<b><u>C09D 11 /-</u></b>
2022263077	2022296033	2022276509 2022282834 2022284939 2022290823	2022281328	2022323258	2022323258
<b><u>B82Y 40 /-</u></b>	<b><u>C05G 1 /-</u></b>			<b><u>C09D 131 /-</u></b>	<b><u>C09D 131 /-</u></b>
2022263077	2022296033			2022289307	2022289307
<b><u>C01B 21 /-</u></b>				<b><u>C09D 133 /-</u></b>	<b><u>C09D 133 /-</u></b>
2022332625 2022333253 2022335706 2022335707	2022296033			2022260860 2022279235 2022288080	2022281994

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<b><u>C09D 175 /-</u></b>	<b><u>C10G 45 /-</u></b>	2022358001	2022281328	2022347466	<b><u>D06N 3 /-</u></b>
2022281994	2022286396	<b><u>C12M 3 /-</u></b>	2022283922	<b><u>C23C 16 /-</u></b>	2022270087
2022304691			2022284804		
	<b><u>C10G 65 /-</u></b>	2022289307	2022286630	2022288678	<b><u>D21B 1 /-</u></b>
<b><u>C09D 5 /-</u></b>				<b><u>C23C 22 /-</u></b>	2022280934
2022281994	2022286396	<b><u>C12N 1 /-</u></b>	<b><u>C12P 19 /-</u></b>		2022282597
2022289307			2021446678	2022281994	
	<b><u>C10L 1 /-</u></b>	2022270087	<b><u>C12P 21 /-</u></b>	<b><u>C23F 13 /-</u></b>	<b><u>D21D 5 /-</u></b>
		2022279242			2022282597
<b><u>C09D 7 /-</u></b>	2022286396	2022284272	2021447156	2022259875	
2022281994	<b><u>C10L 3 /-</u></b>	2022287200	2022283289	<b><u>C25B 1 /-</u></b>	<b><u>D21F 11 /-</u></b>
2022323258		2022298846	2022287200		2022307852
	2022275856	<b><u>C12N 11 /-</u></b>	2022299846	2022285042	
<b><u>C09D 9 /-</u></b>	<b><u>C10L 5 /-</u></b>	2022260528	<b><u>C12Q 1 /-</u></b>	2022300129	<b><u>D21H 11 /-</u></b>
2022270416		2022355346		2022302293	
	2022273409	2022355952	2021442183		2021454939
<b><u>C09J 123 /-</u></b>	<b><u>C10M 105 /-</u></b>	2022358001	2021442220	<b><u>C25B 11 /-</u></b>	2021455028
2022277194			2022275860		2021455100
	2022276698	<b><u>C12N 15 /-</u></b>	2022276516	2022285042	2022261651
<b><u>C09J 5 /-</u></b>			2022276537	<b><u>C25B 15 /-</u></b>	2022307852
2022277194	<b><u>C10M 107 /-</u></b>	2021442183	2022278637		
		2021442220	2022280886	2022300129	<b><u>D21H 21 /-</u></b>
	2022276698	2021447156	2022282532	2022302293	2022261651
<b><u>C09K 11 /-</u></b>	<b><u>C10M 125 /-</u></b>	2022261725	2022297106	<b><u>C25B 9 /-</u></b>	<b><u>D21H 27 /-</u></b>
2022272326		2022261982			
	2022276698	2022267252	<b><u>C12R 1 /-</u></b>	2022285042	2021454939
<b><u>C09K 23 /-</u></b>	<b><u>C10M 169 /-</u></b>	2022270140	2022284272	<b><u>C25C 1 /-</u></b>	2021455028
2022323258		2022273863			2021455100
	2022276698	2022277025	<b><u>C21B 5 /-</u></b>	2022295073	2022261651
<b><u>C09K 5 /-</u></b>	<b><u>C10N 30 /-</u></b>	2022278634	2022284294	<b><u>C25C 3 /-</u></b>	2022307852
2022302781		2022281304			
	2022276698	2022281328	<b><u>C21B 9 /-</u></b>	2022304902	<b><u>E01C 19 /-</u></b>
<b><u>C09K 8 /-</u></b>	<b><u>C10N 40 /-</u></b>	2022283922	2022284294		2022262198
2022305107		2022284804		<b><u>C25C 7 /-</u></b>	<b><u>E02D 17 /-</u></b>
2022323258	2022276698	2022288080	<b><u>C21C 7 /-</u></b>		
		2022288115	2022296120	2022295073	2022284380
<b><u>C10G 15 /-</u></b>	<b><u>C11D 1 /-</u></b>	2022288705	2022297943	<b><u>C30B 11 /-</u></b>	<b><u>E02D 27 /-</u></b>
2022268729		2022289260			
	2022270416	2022289484	<b><u>C22B 1 /-</u></b>	2022269284	2022267017
<b><u>C10G 17 /-</u></b>	2022284252	2022297803	2022299266	<b><u>C30B 25 /-</u></b>	<b><u>E02D 5 /-</u></b>
2022269397	2022323258	2022298846	2022304902		2022267017
2022270439				2022269284	
	<b><u>C11D 11 /-</u></b>	2022279663	<b><u>C22B 15 /-</u></b>	<b><u>C30B 29 /-</u></b>	<b><u>E02F 3 /-</u></b>
		2022279751			
<b><u>C10G 21 /-</u></b>	2022284252	2022280072	2022272584	2022269284	2022284380
2022269397	2022285088	2022283289	<b><u>C22B 26 /-</u></b>		
2022270439		2022288080		<b><u>C40B 50 /-</u></b>	<b><u>E02F 9 /-</u></b>
	<b><u>C11D 17 /-</u></b>	2022291162	2022299266		2022284380
<b><u>C10G 27 /-</u></b>		2022291369	2022299267	2021442183	
2022269397	2022284252	2022298846	2022304902	<b><u>D04B 1 /-</u></b>	2022277186
2022270439	2022285106		2022347466		2022281267
		<b><u>C12N 7 /-</u></b>		2022311503	2022284380
<b><u>C10G 3 /-</u></b>	<b><u>C11D 3 /-</u></b>	2022265735	<b><u>C22B 3 /-</u></b>		<b><u>E03D 11 /-</u></b>
2022286396				<b><u>D04H 1 /-</u></b>	2022321657
	2022284252	<b><u>C12N 9 /-</u></b>	2022272584	2021454939	<b><u>E03D 5 /-</u></b>
<b><u>C10G 31 /-</u></b>	2022285088		2022299266	2021455028	
2022269397		2022260528	2022299267	<b><u>D05C 15 /-</u></b>	2022267888
	<b><u>C11D 7 /-</u></b>	2022260814			
<b><u>C10G 32 /-</u></b>		2022260860	<b><u>C22B 59 /-</u></b>	2022262198	<b><u>E04B 1 /-</u></b>
2022269397	2022285088	2022261436			
		2022261882	<b><u>C22B 7 /-</u></b>		2022283370
<b><u>C10G 32 /-</u></b>	<b><u>C12M 1 /-</u></b>	2022263381			2022298132
2022269397		2022263381			
2022270439	2022267252	2022275546			
	2022295126	2022278634			
	2022355346	2022279663			
	2022355952	2022281304			

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<b><u>E04B 2 /-</u></b>	<b><u>E06C 7 /-</u></b>	<b><u>F02F 11 /-</u></b>	<b><u>F16L 53 /-</u></b>	<b><u>F28F 1 /-</u></b>	<b><u>G01N 21 /-</u></b>
2022260520	2022332691	2022278799	2022276359	2022286885	2022272326 2022282532
<b><u>E04C 2 /-</u></b>	<b><u>E21B 10 /-</u></b>	<b><u>F02G 5 /-</u></b>	<b><u>F16P 3 /-</u></b>	<b><u>F28F 3 /-</u></b>	<b><u>G01N 27 /-</u></b>
2022300016	2022276453	2022273070	2022324220	2022262949 2022270849	2022268667
<b><u>E04C 3 /-</u></b>	<b><u>E21B 17 /-</u></b>	<b><u>F03B 13 /-</u></b>	<b><u>F17C 1 /-</u></b>	<b><u>F42D 1 /-</u></b>	<b><u>G01N 31 /-</u></b>
2022260520	2022263363	2022281059 2022303461	2022290088	2021445434	2022282532
<b><u>E04F 15 /-</u></b>	<b><u>E21B 31 /-</u></b>	<b><u>F03D 7 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F42D 3 /-</u></b>	<b><u>G01N 33 /-</u></b>
2022300016	2022263363	2022395328	2022276359	2021445434	2022261436 2022263379 2022263381 2022275860 2022276537 2022297106
<b><u>E04F 19 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F04B 17 /-</u></b>	<b><u>F17C 5 /-</u></b>	<b><u>G01C 15 /-</u></b>	
2022279128	2021461284	2022296424	2022266204 2022276359	2023223693	
<b><u>E04F 21 /-</u></b>	<b><u>E21B 4 /-</u></b>	<b><u>F04B 41 /-</u></b>	<b><u>F17D 5 /-</u></b>	<b><u>G01C 19 /-</u></b>	<b><u>G01N 35 /-</u></b>
2022280610	2022267017	2022296424	2022262696	2022272583	2022267252
<b><u>E04G 21 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F04C 18 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01N 9 /-</u></b>
2022286603	2021460658 2021461284	2022296424	2022267164 2022284054 2022285467 2022285468 2022286271 2022286885 2022286886 2022308067 2022326662	2022283365	2022277006 2022304547
<b><u>E04H 1 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F04D 13 /-</u></b>		<b><u>G01F 1 /-</u></b>	<b><u>G01R 31 /-</u></b>
2022262691 2022283370	2022282583	2022282648		2022277006 2022304547	2022259875
<b><u>E04H 3 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F04D 17 /-</u></b>		<b><u>G01F 15 /-</u></b>	<b><u>G01R 33 /-</u></b>
2022283370	2022283100 2022358643	2022266952		2022277006	2022267383 2022268667 2022438263
<b><u>E04H 4 /-</u></b>	<b><u>F01D 5 /-</u></b>	<b><u>F04D 27 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>G01G 19 /-</u></b>	
2022276920	2022266952	2022267164	2022267164	2022264078	
<b><u>E05D 13 /-</u></b>	<b><u>F01K 13 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>G01G 23 /-</u></b>	<b><u>G01S 15 /-</u></b>
2021449655	2022273070	2022266952	2022262949 2022284054 2022285468 2022286271 2022286885 2022286886 2022308067	2022264078	2022282615
<b><u>E05D 15 /-</u></b>	<b><u>F01K 23 /-</u></b>	<b><u>F16B 21 /-</u></b>		<b><u>G01H 9 /-</u></b>	<b><u>G01S 7 /-</u></b>
2021449655	2022332625 2022333253 2022335706	2022304605		2022323905	2022272583 2022282615
<b><u>E05F 15 /-</u></b>	<b><u>F01K 25 /-</u></b>	<b><u>F16B 25 /-</u></b>	<b><u>F24F 7 /-</u></b>	<b><u>G01K 11 /-</u></b>	<b><u>G01V 3 /-</u></b>
2022281095	2022273070	2022288084	2022262518 2022262949	2022281412	2022270406 2022438263
<b><u>E05G 1 /-</u></b>	<b><u>F01K 27 /-</u></b>	<b><u>F16B 39 /-</u></b>		<b><u>G01K 13 /-</u></b>	<b><u>G02F 1 /-</u></b>
2022286663	2022273070 2022333253	2022288084		2022281412	2022272583
<b><u>E06B 3 /-</u></b>	<b><u>F02C 6 /-</u></b>	<b><u>F16G 13 /-</u></b>	<b><u>F24V 30 /-</u></b>	<b><u>G01L 7 /-</u></b>	<b><u>G05B 19 /-</u></b>
2021449655	2022273070 2022333253	2021449655	2022271050	2022277006	2022270154 2022279931
<b><u>E06B 7 /-</u></b>	<b><u>F02C 7 /-</u></b>	<b><u>F16J 15 /-</u></b>	<b><u>F25B 45 /-</u></b>	<b><u>G01M 3 /-</u></b>	
2021449655 2022274498	2022279974	2022278799	2022296424	2022280380	
<b><u>E06B 9 /-</u></b>	<b><u>F02D 29 /-</u></b>	<b><u>F16L 11 /-</u></b>	<b><u>F25J 3 /-</u></b>	<b><u>G01N 11 /-</u></b>	<b><u>G05B 23 /-</u></b>
2021449655	2022279974	2022276103	2022293781	2022304547	2022279931
<b><u>E06C 5 /-</u></b>	<b><u>F02D 45 /-</u></b>	<b><u>F16L 37 /-</u></b>	<b><u>F28D 7 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G05D 1 /-</u></b>
2022332691	2022276789	2022281467	2022271050	2022281546	2022283385 2022286402 2022286690
	2022276789		<b><u>F28D 9 /-</u></b>		
			2022270849		

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<b><u>G05D 9 /-</u></b>	2022299436	<b><u>G06V 20 /-</u></b>	<b><u>G21G 4 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04L 47 /-</u></b>
2022275999	<b><u>G06Q 10 /-</u></b>	2022280781	2022294893	2022291260	2021450034
<b><u>G06F 111 /-</u></b>	2022274234	<b><u>G06V 30 /-</u></b>	<b><u>G21H 1 /-</u></b>	2022294335	<b><u>H04L 9 /-</u></b>
2022288379	2022277103	2021449330	2022294893	<b><u>H02K 15 /-</u></b>	2022274234
<b><u>G06F 113 /-</u></b>	2022280885	<b><u>G06V 40 /-</u></b>	<b><u>H01H 9 /-</u></b>	2022275692	2022283377
2022288379	2022283365	2022281095	2021443968	<b><u>H02K 21 /-</u></b>	2022360024
<b><u>G06F 12 /-</u></b>	2022285079	2022360024	<b><u>H01L 29 /-</u></b>	2022275692	2022370400
2022285127	2022293300	<b><u>G07C 9 /-</u></b>	2022277275	<b><u>H02K 3 /-</u></b>	<b><u>H04N 13 /-</u></b>
<b><u>G06F 16 /-</u></b>	2022293363	2022283377	<b><u>H01L 31 /-</u></b>	2022275692	2022285753
2021447276	2022360024	2022360024	2022277275	<b><u>H02M 1 /-</u></b>	<b><u>H04N 19 /-</u></b>
2021451504	<b><u>G06Q 20 /-</u></b>	<b><u>G08B 21 /-</u></b>	2022277275	2022302293	2022274234
2022274234	2021446327	2021441505	<b><u>H01M 10 /-</u></b>	<b><u>H02P 25 /-</u></b>	<b><u>H04N 5 /-</u></b>
2022280885	2022298734	2022264598	2021447071	2022275692	2022275056
2022284232	<b><u>G06Q 30 /-</u></b>	<b><u>G08B 23 /-</u></b>	2022299266	<b><u>H02P 6 /-</u></b>	<b><u>H04W 12 /-</u></b>
<b><u>G06F 18 /-</u></b>	2022261697	2022264598	2022299267	2022275692	2022312530
2022282615	2022274234	<b><u>G08B 25 /-</u></b>	2022406621	<b><u>H02M 1 /-</u></b>	<b><u>H04W 36 /-</u></b>
<b><u>G06F 21 /-</u></b>	<b><u>G06Q 40 /-</u></b>	2021441505	<b><u>H01M 4 /-</u></b>	2022275692	2022433142
2022276742	2022261697	2021441505	2021447071	<b><u>H02S 20 /-</u></b>	<b><u>H04W 56 /-</u></b>
2022276743	2022279931	<b><u>G08B 31 /-</u></b>	2022272333	2022262772	2022300011
2022286727	2022283365	2022259875	2022299267	<b><u>H03H 7 /-</u></b>	<b><u>H04W 76 /-</u></b>
2022289006	2022289006	<b><u>G08G 1 /-</u></b>	2022406621	2022280948	2021459631
2022298734	2022360024	2022270406	<b><u>H01M 8 /-</u></b>	<b><u>H03K 17 /-</u></b>	2022433142
2022360024	2022370400	2022283365	2022262366	2021445856	<b><u>H05H 1 /-</u></b>
<b><u>G06F 3 /-</u></b>	<b><u>G06T 11 /-</u></b>	<b><u>G08G 5 /-</u></b>	2022285042	<b><u>H03M 1 /-</u></b>	2022303174
2022283365	2022283365	2022283385	2022294335	2022300011	<b><u>H05H 6 /-</u></b>
<b><u>G06F 30 /-</u></b>	<b><u>G06T 15 /-</u></b>	<b><u>G09F 9 /-</u></b>	2022302293	<b><u>H04B 1 /-</u></b>	2022259876
2022288379	2022280781	2021449655	2022302781	2022281315	<b><u>H05H 7 /-</u></b>
<b><u>G06F 40 /-</u></b>	<b><u>G06T 17 /-</u></b>	<b><u>G16H 10 /-</u></b>	<b><u>H01Q 13 /-</u></b>	<b><u>H04B 17 /-</u></b>	2022259876
2022277097	2022280781	2022290995	2022281315	2021447493	<b><u>H05K 1 /-</u></b>
<b><u>G06F 9 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>G16H 20 /-</u></b>	2022280948	2022300011	2021443968
2021447044	2022275056	2022276533	<b><u>H01Q 3 /-</u></b>	<b><u>H04B 7 /-</u></b>	
2021447493	2022283365	<b><u>G16H 40 /-</u></b>	2022281315	2022273916	
2022285127	<b><u>G06T 3 /-</u></b>	2022276533	2023202807	<b><u>H04J 3 /-</u></b>	
<b><u>G06N 10 /-</u></b>	2022295993	<b><u>G16H 50 /-</u></b>	2022275738	<b><u>H04L 27 /-</u></b>	
2022284734	<b><u>G06T 5 /-</u></b>	2022276533	<b><u>H01R 13 /-</u></b>	<b><u>H04L 41 /-</u></b>	
2022285127	2022281546	2022286727	2022275738	2022283365	
<b><u>G06N 20 /-</u></b>	<b><u>G06T 7 /-</u></b>	2022299436	2022275738	<b><u>H04L 45 /-</u></b>	
2021451244	2022275056	<b><u>G21F 7 /-</u></b>	<b><u>H02G 7 /-</u></b>	2021450034	
2021461284	2022281546	2022276533	2022275840		
2022274234	2022285753	<b><u>G21G 1 /-</u></b>	<b><u>H02J 15 /-</u></b>		
2022286690	2022295993	2022259876	2022294335		
2022299436	2022312668	<b><u>G21G 1 /-</u></b>	<b><u>H02J 3 /-</u></b>		
<b><u>G06N 3 /-</u></b>	<b><u>G06V 10 /-</u></b>	2022259876	2021443821		
2022270154	2021449330	2022259876	2022267237		
2022274234	2022324220		2022395328		
2022282615					
2022285127					

Applications Accepted

Name Index

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- (71) ABB Schweiz AG; ETH Zürich; Planted Foods AG  
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 (54) Supervisory machine intelligence controls for production of meat substitutes  
 (51) Int. Cl.  
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**A23P 30/20** ( 2016.01 )  
**B29C 48/92** ( 2019.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Ab Initio Technology LLC  
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 (21) 2018365176 (22) 13.11.2018  
 (54) Key-based logging for processing of structured data items with executable logic  
 (51) Int. Cl.  
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**G06F 8/34** ( 2018.01 )  
**G06F 9/448** ( 2018.01 )  
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 15/853,000 22.12.17 US  
 (43) 16.05.2019  
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 (74) RnB IP Pty Ltd
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- (71) Accenture Global Solutions Limited  
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 (21) 2022215198 (22) 10.08.2022  
 (54) UTILIZING AN ARTIFICIAL INTELLIGENCE MODEL DETERMINED FOR A TARGET DOMAIN BASED ON A DATASET ASSOCIATED WITH A SOURCE DOMAIN  
 (51) Int. Cl.  
**G06N 7/08** ( 2006.01 )  
**G06F 17/40** ( 2006.01 )  
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 (74) Murray Trento & Associates Pty Ltd
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- (54) New oral formulations of belinostat  
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**A61K 9/16** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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- (71) Advanchl Biotechnology Service Center (Shanghai)  
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 (21) 2020335801 (22) 26.08.2020  
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**A61K 31/282** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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**G01N 23/20** ( 2018.01 )  
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 (72) ZHENG, Jianqiang  
 (74) Michael Buck IP
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- (71) AdvanSix Resins & Chemicals LLC  
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 (21) 2021213062 (22) 21.01.2021  
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**C07C 229/12** ( 2006.01 )  
**A61Q 1/00** ( 2006.01 )  
**A61Q 5/12** ( 2006.01 )  
**C11D 1/00** ( 2006.01 )  
**C11D 1/90** ( 2006.01 )  
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 (43) 05.08.2021  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2017276229 (22) 13.12.2017  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
**B05B 1/30** ( 2006.01 )  
**A21C 1/14** ( 2006.01 )  
**B05B 1/32** ( 2006.01 )  
**B05B 7/08** ( 2006.01 )  
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- (71) Airway Therapeutics, Inc.  
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 (21) 2019243707 (22) 27.03.2019  
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**C07K 14/785** ( 2006.01 )  
**C12N 5/09** ( 2010.01 )  
**C12N 15/85** ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Akzo Nobel Coatings International B.V.  
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 (21) 2018383883 (22) 13.07.2018  
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**C09D 5/16** ( 2006.01 )  
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Louise; DUNFORD, Graeme; PRICE, Clayton  
**(74)** Spruson & Ferguson

**(71)** Alcon Inc.  
**(11)** AU-B-2020266339  
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**(54)** Dissolvable polymeric eye inserts and method of using same  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/32** ( 2006.01 )  
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**(72)** KETELSON, Howard Allen; RANGARAJAN, Rekha; LAREDO, Walter R.; COLLINS, Stephen John  
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**(71)** Alios BioPharma, Inc.  
**(11)** AU-B-2021204791  
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**(54)** Substituted nucleosides, nucleotides and analogs thereof  
**(51)** Int. Cl.  
**A61K 31/7068** ( 2006.01 )  
**A61K 31/7072** ( 2006.01 )  
**A61K 31/7076** ( 2006.01 )  
**A61K 31/708** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**E05B 63/00** ( 2006.01 )  
**E05C 1/16** ( 2006.01 )

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**(54)** A latch and/or lock assembly  
**(51)** Int. Cl.

**E05C 1/16** ( 2006.01 )  
**E05B 1/00** ( 2006.01 )  
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**(71)** ALSTOM Transport Technologies  
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**(21)** 2018200854 **(22)** 06.02.2018  
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**B60L 1/12** ( 2006.01 )  
**B60L 3/12** ( 2006.01 )  
**G06Q 90/00** ( 2006.01 )  
**H02J 9/00** ( 2006.01 )  
**H02J 11/00** ( 2006.01 )

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**(72)** Vienne, Mathieu  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Ancestry.com Operations Inc.  
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**(71)** Apellis Pharmaceuticals, Inc.  
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**(54)** Dosing regimens and related compositions and methods  
**(51)** Int. Cl.  
**C07K 7/06** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**A61K 38/12** ( 2006.01 )  
**C07K 7/50** ( 2006.01 )  
**C07K 7/64** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )

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**(71)** Applied Medical Resources Corporation  
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**(51)** Int. Cl.  
**A61B 17/072** ( 2006.01 )  
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**A61B 17/04** ( 2006.01 )  
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**H01F 7/00** ( 2006.01 )  
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**C07D 475/04** ( 2006.01 )  
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*C07D 233/02* ( 2006.01 )  
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*G01R 15/06* ( 2006.01 )  
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*A01N 43/00* ( 2006.01 )  
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*G06N 10/00* ( 2022.01 )  
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 (54) Camera Apparatus and Cleaning Robot  
 (51) Int. Cl.  
*A47L 11/40* ( 2006.01 )  
*A47L 9/28* ( 2006.01 )  
*A47L 11/24* ( 2006.01 )  
*B25J 11/00* ( 2006.01 )  
*B25J 13/08* ( 2006.01 )  
*B25J 19/02* ( 2006.01 )  
*G01S 17/02* ( 2020.01 )  
*G03B 29/00* ( 2021.01 )  
*G05D 1/02* ( 2020.01 )  
*H04N 23/00* ( 2023.01 )  
*B25J 5/00* ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys

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*B66F 3/46* ( 2006.01 )  
*B66F 7/00* ( 2006.01 )  
*B66F 7/08* ( 2006.01 )  
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*F16C 19/30* ( 2006.01 )

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*A61F 2/30* ( 2006.01 )  
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*E06B 9/264* ( 2006.01 )  
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*C12N 7/00* ( 2006.01 )  
*A61K 39/155* ( 2006.01 )  
*C07K 14/115* ( 2006.01 )  
*C07K 16/10* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
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*C25C 3/08* ( 2006.01 )  
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*A61B 5/053* ( 2006.01 )  
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*A61M 60/135* ( 2021.01 )  
*A61M 25/00* ( 2006.01 )  
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*C07C 59/125* ( 2006.01 )  
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*C07K 14/55* ( 2006.01 )  
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 (51) Int. Cl.  
*H05K 9/00* ( 2006.01 )  
 (87) WO2022/007708  
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 (51) Int. Cl.  
*A61M 25/00* ( 2006.01 )  
*A61M 39/00* ( 2006.01 )  
*A61M 39/06* ( 2006.01 )  
*B01L 3/00* ( 2006.01 )  
*G01N 33/00* ( 2006.01 )  
*G01N 33/48* ( 2006.01 )  
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 (51) Int. Cl.  
*H01M 8/00* ( 2016.01 )  
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 (11) AU-B-2022204468  
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 (51) Int. Cl.  
*B66C 7/04* ( 2006.01 )  
*B65G 63/04* ( 2006.01 )  
*B66C 19/00* ( 2006.01 )  
*B66D 1/36* ( 2006.01 )  
*G05D 3/20* ( 2006.01 )  
*G05D 13/62* ( 2006.01 )  
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**C01C 1/04** ( 2006.01 )  
**B01D 53/14** ( 2006.01 )  
**C01B 3/02** ( 2006.01 )  
**C01B 3/50** ( 2006.01 )  
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**(74)** James & Wells Intellectual Property

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**(51)** Int. Cl.  
**G06F 40/103** ( 2020.01 )  
**G06F 40/183** ( 2020.01 )  
**G06F 40/205** ( 2020.01 )  
**G06F 40/295** ( 2020.01 )  
**G06F 40/30** ( 2020.01 )  
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**(72)** VAN DYKE, Julie A.; GORMAN, Michael; LACEK, Mark  
**(74)** FB Rice Pty Ltd

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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )

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**H04W 28/22** ( 2009.01 )  
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**(51)** Int. Cl.  
**B01J 20/22** ( 2006.01 )  
**B01D 53/02** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**B01J 20/32** ( 2006.01 )  
**B01J 20/34** ( 2006.01 )  
**(87)** WO2021/083109  
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**(74)** WRAYS PTY LTD

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**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.  
**G06F 16/27** ( 2019.01 )  
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**(87)** WO2020/068334  
**(31)** 16/141,335 **(32)** 25.09.18 **(33)** US  
**(43)** 02.04.2020  
**(44)** 07.12.2023  
**(72)** BARNETT, Granville Lynn; AAHLAD, Yeturu  
**(74)** Phillips Ormonde Fitzpatrick

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**(51)** Int. Cl.  
**G06F 16/00** ( 2019.01 )  
**(87)** WO2020/091966  
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**(72)** MC KEOWN, Mark Patrick  
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**(11)** AU-B-2021322591  
**(21)** 2021322591 **(22)** 14.07.2021  
**(54)** Internet last-mile outage detection using IP-route clustering  
**(51)** Int. Cl.  
**H04L 41/0631** ( 2022.01 )  
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**H04L 41/16** ( 2022.01 )  
**H04L 69/16** ( 2022.01 )  
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- (74) Davies Collison Cave Pty Ltd
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- (51) Int. Cl.  
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- (51) Int. Cl.  
**A61Q 5/00** ( 2006.01 )  
**A61K 8/36** ( 2006.01 )  
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**A61Q 5/02** ( 2006.01 )  
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**G01N 25/00** ( 2006.01 )  
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**A61M 13/00** ( 2006.01 )
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**G02B 1/04** ( 2006.01 )
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**B67D 1/00** ( 2006.01 )  
**B67D 1/08** ( 2006.01 )
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**B67D 1/04** ( 2006.01 )
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- (54) Flow sensor system including spring contacts
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**A61M 5/168** ( 2006.01 )  
**A61M 5/172** ( 2006.01 )  
**G01F 1/66** ( 2022.01 )  
**G05D 7/00** ( 2006.01 )
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     **C12N 15/09** ( 2006.01 )  
     **C07K 14/05** ( 2006.01 )  
     **C12N 15/63** ( 2006.01 )  
     **C12N 15/66** ( 2006.01 )  
     **C12N 15/79** ( 2006.01 )  
     **C12N 15/86** ( 2006.01 )
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     **B01L 3/00** ( 2006.01 )  
     **B01L 9/00** ( 2006.01 )  
     **G01N 35/00** ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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 (51) Int. Cl.  
     **E04F 13/08** ( 2006.01 )
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     **B65G 47/71** ( 2006.01 )  
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 (74) Griffith Hack
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 (51) Int. Cl.  
     **A01G 31/02** ( 2006.01 )  
     **A01K 61/10** ( 2017.01 )  
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 (74) Dark IP
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 (54) Multi-dimensional hemostatic product and method for producing the same  
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     **A61L 24/04** ( 2006.01 )
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 (74) Davies Collison Cave Pty Ltd
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     **G01R 31/00** ( 2006.01 )  
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**B01D 35/30** ( 2006.01 )  
**B01D 27/08** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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**G05D 7/00** ( 2006.01 )  
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**F24F 11/56** ( 2018.01 )  
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**A61K 41/00** ( 2020.01 )  
**A61P 31/04** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )

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**A42B 3/10** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )

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E01H 1/04 ( 2006.01 )  
E01H 1/12 ( 2006.01 )  
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(51) Int. Cl.  
C07H 15/26 ( 2006.01 )  
A61K 31/702 ( 2006.01 )  
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A61K 31/7036 ( 2006.01 )  
A61K 31/7056 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
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(51) Int. Cl.  
H04W 76/14 ( 2018.01 )  
H04B 17/309 ( 2015.01 )  
H04L 1/00 ( 2006.01 )  
H04W 24/10 ( 2009.01 )  
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**G06N 3/063** ( 2006.01 )  
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**G10L 15/26** ( 2006.01 )  
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**G06F 30/20** ( 2020.01 )  
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**C09K 8/52** ( 2006.01 )  
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**C07H 21/02** ( 2006.01 )  
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**(54)** Apparatus and method for drying hair  
**(51)** Int. Cl.

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**(51)** Int. Cl.  
**A61K 9/107** ( 2006.01 )  
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**A61K 31/194** ( 2006.01 )  
**A61K 31/216** ( 2006.01 )  
**A61K 35/74** ( 2015.01 )  
**A61K 36/28** ( 2006.01 )  
**A61K 36/48** ( 2006.01 )  
**A61K 36/54** ( 2006.01 )  
**A61K 36/75** ( 2006.01 )  
**A61P 27/04** ( 2006.01 )  
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**A61F 2/44** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**(54)** Information processing apparatus, system, and control method  
**(51)** Int. Cl.  
**G06V 30/12** ( 2022.01 )  
**G06V 10/98** ( 2022.01 )  
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**(51)** Int. Cl.  
**A01N 43/16** ( 2006.01 )  
**A01G 7/00** ( 2006.01 )  
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**A01P 21/00** ( 2006.01 )  
**C05F 11/10** ( 2006.01 )  
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**A61K 8/37** ( 2006.01 )  
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**A61K 8/34** ( 2006.01 )  
**A61Q 17/00** ( 2006.01 )  
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**C07K 16/42** ( 2006.01 )  
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**C12N 5/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**B62D 55/112** ( 2006.01 )  
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*B66F 9/18* ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*F04D 25/06* ( 2006.01 )  
*F04D 29/58* ( 2006.01 )  
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*H04B 14/02* ( 2006.01 )  
*H03K 7/04* ( 2006.01 )  
*H03K 9/04* ( 2006.01 )  
*H03M 5/02* ( 2006.01 )  
*H04B 1/7176* ( 2011.01 )  
*H04B 10/524* ( 2013.01 )  
*H04L 7/02* ( 2006.01 )  
*H04L 25/49* ( 2006.01 )  
*H04W 56/00* ( 2009.01 )  
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*H01M 8/18* ( 2006.01 )  
*H01M 8/24* ( 2016.01 )  
*H01M 8/2455* ( 2016.01 )  
*H01M 8/247* ( 2016.01 )  
*H01M 8/249* ( 2016.01 )  
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 (51) Int. Cl.  
*G01N 35/00* ( 2006.01 )  
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*G16H 15/00* ( 2018.01 )  
*G16H 40/40* ( 2018.01 )  
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 (54) Image decoding method for deriving weight index information for bi-prediction, and device for same  
 (51) Int. Cl.  
*H04N 19/573* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/109* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/137* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/527* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited
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 (51) Int. Cl.  
*H04N 19/527* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )

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**H04N 19/132** ( 2014.01 )  
**H04N 19/137** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
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**(74)** Dentons Patent Attorneys Australasia Limited

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**(11)** AU-B-2020303803  
**(21)** 2020303803 **(22)** 24.06.2020  
**(54)** Image encoding/decoding method and device using maximum transform size restriction of chroma component encoding block, and method for transmitting bitstream  
**(51)** Int. Cl.  
**H04N 19/122** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )  
**H04N 19/44** ( 2014.01 )  
**H04N 19/593** ( 2014.01 )  
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**(11)** AU-B-2020350013  
**(21)** 2020350013 **(22)** 24.06.2020  
**(54)** Vacuum cleaner  
**(51)** Int. Cl.  
**A47L 9/04** ( 2006.01 )  
**A46B 9/00** ( 2006.01 )  
**A46B 13/00** ( 2006.01 )  
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**(54)** Cleaner  
**(51)** Int. Cl.  
**A47L 9/16** ( 2006.01 )  
**(87)** WO2021/172655  
**(31)** 10-2020-0022975 **(32)** 25.02.20 **(33)** KR  
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**(54)** Image decoding method and apparatus relying on intra prediction in image coding system  
**(51)** Int. Cl.  
**H04N 19/593** ( 2014.01 )  
**H04N 19/105** ( 2014.01 )  
**H04N 19/14** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**(43)** 10.11.2022  
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**(62)** 2021200247  
**(72)** Heo, Jin  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2021282535  
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**(54)** FAN MOTOR  
**(51)** Int. Cl.  
**F04D 29/44** ( 2006.01 )  
**A47L 5/12** ( 2006.01 )  
**A47L 9/22** ( 2006.01 )  
**F04D 17/16** ( 2006.01 )  
**F04D 25/08** ( 2006.01 )  
**F04D 29/30** ( 2006.01 )  
**F04D 29/58** ( 2006.01 )  
**F04D 29/66** ( 2006.01 )  
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**(74)** Dentons Patent Attorneys Australasia Limited

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**(11)** AU-B-2022200484  
**(21)** 2022200484 **(22)** 26.01.2022  
**(54)** Refrigerator and method of controlling the same  
**(51)** Int. Cl.  
**F25D 29/00** ( 2006.01 )  
**F25D 11/02** ( 2006.01 )  
**F25D 17/04** ( 2006.01 )  
**F25D 17/08** ( 2006.01 )  
**F25D 19/00** ( 2006.01 )  
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**(21)** 2021234620 **(22)** 09.03.2021  
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**(51)** Int. Cl.  
**A23D 9/04** ( 2006.01 )  
**B01D 9/00** ( 2006.01 )  
**C11B 7/00** ( 2006.01 )  
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**(31)** PI2020001296 **(32)** 10.03.20 **(33)** MY  
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**(72)** KU, Teng Hoe  
**(74)** Pangaea IP Consultants

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**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**A61F 9/011** ( 2006.01 )  
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**(31)** 62/564,019 **(32)** 27.09.17 **(33)** US  
**(43)** 04.04.2019  
**(44)** 07.12.2023  
**(72)** KRAEMER, Darren  
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**(21)** 2022252732 **(22)** 11.10.2022  
**(54)** Dynamic communication routing based on consistency weighting and routing rules  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**G06Q 30/00** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )  
**(43)** 03.11.2022  
**(44)** 07.12.2023  
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**(11)** AU-B-2020397034  
**(21)** 2020397034 **(22)** 03.12.2020  
**(54)** Dosing of a Bruton's Tyrosine Kinase inhibitor  
**(51)** Int. Cl.  
**A61K 31/415** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**(87)** WO2021/113497  
**(31)** 62/944,674 **(32)** 06.12.19 **(33)** US  
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**(11)** AU-B-2022200404  
**(21)** 2022200404 **(22)** 21.01.2022  
**(54)** METHOD OF OPERATING A RIDE AND A RIDE  
**(51)** Int. Cl.  
**A63G 33/00** ( 2006.01 )

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**A63G 25/00** ( 2006.01 )  
**A63G 31/00** ( 2006.01 )  
**A63K 1/00** ( 2006.01 )  
**(31)** 102021101864.1 **(32)** 27.01.21 **(33)** DE  
**(43)** 11.08.2022  
**(44)** 07.12.2023  
**(72)** GRABITZ, Christian; GORDT, Dennis;  
RÖSER, Maximilian; ALT, Stephan;  
KREMER, Maurice; FÖHLES, Julian;  
GEWALD, Joschka; KÖBELE, Thor-  
sten; RIGLING, Sascha  
**(74)** Franke Hyland Pty Ltd

**(71)** Magic Leap, Inc.  
**(11)** AU-B-2021290251  
**(21)** 2021290251 **(22)** 21.12.2021  
**(54)** Metasurfaces with asymmetric gratings  
for redirecting light and methods for  
fabricating  
**(51)** Int. Cl.  
**B44C 1/22** ( 2006.01 )  
**G01N 21/31** ( 2006.01 )  
**G01N 21/41** ( 2006.01 )  
**G02B 6/32** ( 2006.01 )  
**G02B 6/34** ( 2006.01 )  
**G06T 7/20** ( 2017.01 )  
**(43)** 20.01.2022  
**(44)** 07.12.2023  
**(62)** 2017260208  
**(72)** Lin, Dianmin; Melli, Mauro; St. Hilaire,  
Pierre; Peroz, Christophe; Poliakov, Ev-  
geni Yuriy  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Magic Leap, Inc.  
**(11)** AU-B-2023200386  
**(21)** 2023200386 **(22)** 25.01.2023  
**(54)** Systems and methods for manipulating  
light from ambient light sources  
**(51)** Int. Cl.  
**G02B 27/01** ( 2006.01 )  
**B29D 11/00** ( 2006.01 )  
**G02B 5/18** ( 2006.01 )  
**G06T 1/00** ( 2006.01 )  
**G09G 5/00** ( 2006.01 )  
**(43)** 23.02.2023  
**(44)** 07.12.2023  
**(62)** 2017382880  
**(72)** Baerenrodt, Eric; Robaina, Nastasja  
U.; Samec, Nicole Elizabeth; Harris,  
Christopher M.; Baerenrodt, Mark  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Magic Leap, Inc.  
**(11)** AU-B-2023201266  
**(21)** 2023201266 **(22)** 01.03.2023  
**(54)** Eyepiece for virtual, augmented, or  
mixed reality systems  
**(51)** Int. Cl.  
**G02B 5/18** ( 2006.01 )  
**G02B 27/00** ( 2006.01 )  
**G02F 1/1334** ( 2006.01 )  
**G03B 21/00** ( 2006.01 )  
**(43)** 06.04.2023  
**(44)** 07.12.2023  
**(62)** 2018210527  
**(72)** Browy, Eric; Klug, Michael Anthony;  
Tekolste, Robert Dale; Welch, Willi-

am Hudson; Liu, Victor Kai; Bhargava,  
Samarth  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MAM Baby AG  
**(11)** AU-B-2018321119  
**(21)** 2018321119 **(22)** 21.08.2018  
**(54)** Baby mouth simulator  
**(51)** Int. Cl.  
**A61M 1/06** ( 2006.01 )  
**(87)** WO2019/038255  
**(31)** 10 2017 119 034.1 **(32)** 21.08.17 **(33)** DE  
**(43)** 28.02.2019  
**(44)** 07.12.2023  
**(72)** KURTH, Elisabeth  
**(74)** Spruson & Ferguson

**(71)** Marley New Zealand Limited  
**(11)** AU-B-2017225003  
**(21)** 2017225003 **(22)** 05.09.2017  
**(54)** WATER DIVERTER  
**(51)** Int. Cl.  
**E03B 3/03** ( 2006.01 )  
**E03B 3/02** ( 2006.01 )  
**E04D 13/08** ( 2006.01 )  
**(31)** 727899 **(32)** 22.12.16 **(33)** NZ  
**(43)** 19.07.2018  
**(44)** 07.12.2023  
**(72)** Stretton, Robert William  
**(74)** ET Intellectual Property

**(71)** Masco Corporation; The Regents of the  
University of Michigan  
**(11)** AU-B-2018204817  
**(21)** 2018204817 **(22)** 02.07.2018  
**(54)** Multi-functional water quality sensor  
**(51)** Int. Cl.  
**G01N 27/27** ( 2006.01 )  
**G01F 1/56** ( 2006.01 )  
**G01K 7/00** ( 2006.01 )  
**G01N 27/04** ( 2006.01 )  
**G01N 27/26** ( 2006.01 )  
**G01N 27/30** ( 2006.01 )  
**G01N 27/333** ( 2006.01 )  
**G01N 27/403** ( 2006.01 )  
**C02F 103/42** ( 2006.01 )  
**(31)** 15/655,536 **(32)** 20.07.17 **(33)** US  
**(43)** 07.02.2019  
**(44)** 07.12.2023  
**(72)** Brondum, Klaus; McCague, Michael;  
Burns, Mark A; Lin, Wen-Chi  
**(74)** AJ PARK

**(71)** MasterCard International Incorporated  
**(11)** AU-B-2018249375  
**(21)** 2018249375 **(22)** 09.03.2018  
**(54)** Systems and methods for enhanced  
user authentication  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**(87)** WO2018/186994  
**(31)** 15/481,248 **(32)** 06.04.17 **(33)** US  
**(43)** 11.10.2018

**(44)** 07.12.2023  
**(72)** Tetali, Ashish Raghavendra; Avula,  
Ravi Kiran; Tetali, Ultra Singh  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MED-EL Elektromedizinische Geraete  
GmbH  
**(11)** AU-B-2022203084  
**(21)** 2022203084 **(22)** 09.05.2022  
**(54)** Drilling Platform Tool for Surgeries  
**(51)** Int. Cl.  
**A61B 1/05** ( 2006.01 )  
**A61B 17/15** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61B 34/10** ( 2016.01 )  
**(43)** 26.05.2022  
**(44)** 07.12.2023  
**(62)** 2018346706  
**(72)** FISCHLER, Wolfgang  
**(74)** BOSH IP Pty Ltd

**(71)** Medical Microinstruments, Inc.  
**(11)** AU-B-2018253443  
**(21)** 2018253443 **(22)** 13.04.2018  
**(54)** Robotic microsurgical assembly  
**(51)** Int. Cl.  
**A61B 34/37** ( 2016.01 )  
**A61B 34/00** ( 2016.01 )  
**A61B 17/29** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**(87)** WO2018/189722  
**(31)** 102017000041991 **(32)** 14.04.17 **(33)** IT  
**(43)** 18.10.2018  
**(44)** 07.12.2023  
**(72)** Simi, Massimiliano; Prisco, Giuseppe  
Maria  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Medikine, Inc.  
**(11)** AU-B-2022203041  
**(21)** 2022203041 **(22)** 05.05.2022  
**(54)** IL-2 RECEPTOR BINDING COM-  
POUNDS  
**(51)** Int. Cl.  
**C07K 14/55** ( 2006.01 )  
**(43)** 26.05.2022  
**(44)** 07.12.2023  
**(62)** 2021201047  
**(72)** Dower, William J.; Needels, Michael C.;  
Barrett, Ronald W.; Bakker, Alice V.;  
Cwirla, Steven E.  
**(74)** Minter Ellison

**(71)** Medytox Inc.  
**(11)** AU-B-2021214474  
**(21)** 2021214474 **(22)** 22.01.2021  
**(54)** Peptide inhibiting formation of SNARE  
complex and use thereof  
**(51)** Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 8/64** ( 2006.01 )  
**A61Q 19/02** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(87)** WO2021/153946  
**(31)** 10-2020-0011344 **(32)** 30.01.20 **(33)** KR  
**(43)** 05.08.2021

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 (72) LEE, Jun Ho; LEE, Dong Kyu; KIM, Dae Hoon  
 (74) Spruson & Ferguson

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(71) MEMBION GMBH  
 (11) AU-B-2022261310  
 (21) 2022261310 (22) 05.04.2022  
 (54) MEMBRANE FILTER AND FILTERING METHOD  
 (51) Int. Cl.  
*B01D 61/18* ( 2006.01 )  
*B01D 63/02* ( 2006.01 )  
*B01D 63/04* ( 2006.01 )  
*B01D 65/02* ( 2006.01 )  
*B01D 65/08* ( 2006.01 )  
 (87) WO2022/223278  
 (31) 10 2021 110 329.0 (32) 22.04.21 (33) DE  
 (43) 27.10.2022  
 (44) 07.12.2023  
 (72) VOLMERING, Dirk; VOSSENKAUL, Klaus  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) Memorial Sloan-Kettering Cancer Center  
 (11) AU-B-2021245129  
 (21) 2021245129 (22) 06.10.2021  
 (54) Minimal saponin analogues, synthesis and use thereof  
 (51) Int. Cl.  
*C07H 13/08* ( 2006.01 )  
*A61K 31/7024* ( 2006.01 )  
*C07H 15/24* ( 2006.01 )  
 (43) 04.11.2021  
 (44) 07.12.2023  
 (62) 2019279971  
 (72) Gin, David Y.; Chea, Eric K.; Fernandez-Tejada, Alberto; Tan, Derek S.; Lewis, Jason S.; Gardner, Jeffrey R.; Pillarsetty, Nagavarakashore  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Merck Sharp & Dohme LLC  
 (11) AU-B-2021309565  
 (21) 2021309565 (22) 15.07.2021  
 (54) Cyclic cyanoenone derivatives as modulators of KEAP1  
 (51) Int. Cl.  
*C07C 255/46* ( 2006.01 )  
*A61K 31/277* ( 2006.01 )  
*A61K 31/4747* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07D 205/12* ( 2006.01 )  
*C07D 221/20* ( 2006.01 )  
*C07D 295/185* ( 2006.01 )  
*C07D 307/94* ( 2006.01 )  
*C07D 311/96* ( 2006.01 )  
*C07D 403/02* ( 2006.01 )  
*C07D 413/02* ( 2006.01 )  
*C07D 491/048* ( 2006.01 )  
 (87) WO2022/013408  
 (31) 20186249.7 (32) 16.07.20 (33) EP  
 (43) 20.01.2022  
 (44) 07.12.2023  
 (72) ALTMAN, Michael; CANDITO, David A.; CHRISTIAN, Alec H.; DI PIETRO, Or-

nella; LU, Min; LIU, Ping; MANSOOR, Umar Faruk; MENNIE, Katrina Marie; MUSACCHIO, Andrew J.; PALANI, Anandan; REUTERSHAN, Michael H.; SHAW, David Matthew; ST-GALLAY, Stephen  
 (74) Spruson & Ferguson

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(71) MFTB Holdco, Inc.  
 (11) AU-B-2022200470  
 (21) 2022200470 (22) 25.01.2022  
 (54) Automated room shape determination using visual data of multiple captured in-room images  
 (51) Int. Cl.  
*G06T 7/55* ( 2017.01 )  
*G06N 3/02* ( 2006.01 )  
*G06T 3/00* ( 2006.01 )  
*G06T 7/33* ( 2017.01 )  
*G06T 7/62* ( 2017.01 )  
*G06T 7/73* ( 2017.01 )  
 (31) 17/386,281 (32) 27.07.21 (33) US  
 (43) 16.02.2023  
 (44) 07.12.2023  
 (72) Li, Yuguang; Boyadzhiev, Ivaylo; Hutchcroft, Will Adrian; Buehler, Christopher  
 (74) Davies Collison Cave Pty Ltd

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(71) Microport Navibot (Suzhou) Co., Ltd.  
 (11) AU-B-2020387746  
 (21) 2020387746 (22) 09.06.2020  
 (54) Calibration method, calibration system and detection target for osteotomy guide tool  
 (51) Int. Cl.  
*A61B 34/20* ( 2016.01 )  
 (87) WO2021/098194  
 (31) 201911157719.5 (32) 22.11.19 (33) CN  
 (43) 27.05.2021  
 (44) 07.12.2023  
 (72) SUN, Teng; SUN, Feng; SHAO, Hui; HE, Chao; LIU, Pengfei  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Milwaukee Electric Tool Corporation  
 (11) AU-B-2020386630  
 (21) 2020386630 (22) 20.11.2020  
 (54) Insertable wireless communication device for a power tool  
 (51) Int. Cl.  
*B25F 5/00* ( 2006.01 )  
*H04B 1/3827* ( 2015.01 )  
*H04B 1/3883* ( 2015.01 )  
*H04B 5/00* ( 2006.01 )  
 (87) WO2021/102289  
 (31) 62/938,516 (32) 21.11.19 (33) US  
 63/047,447 02.07.20 US  
 63/047,449 02.07.20 US  
 (43) 27.05.2021  
 (44) 07.12.2023  
 (72) SMITH, Steven M.; DAVIS, Anthony M.  
 (74) Griffith Hack

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(71) Mitsubishi Electric Corporation  
 (11) AU-B-2020442945  
 (21) 2020442945 (22) 16.04.2020  
 (54) Refrigerator

(51) Int. Cl.  
*F25D 23/00* ( 2006.01 )  
 (87) WO2021/210132  
 (43) 21.10.2021  
 (44) 07.12.2023  
 (72) SASAHARA, Shunsuke  
 (74) Davies Collison Cave Pty Ltd

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(71) Mitsubishi Shipbuilding Co., Ltd.  
 (11) AU-B-2020408428  
 (21) 2020408428 (22) 08.09.2020  
 (54) Gas replacement method  
 (51) Int. Cl.  
*F17C 13/00* ( 2006.01 )  
*B63B 25/12* ( 2006.01 )  
*B63J 2/08* ( 2006.01 )  
*F17C 9/00* ( 2006.01 )  
 (87) WO2021/124621  
 (31) 2019-229388 (32) 19.12.19 (33) JP  
 (43) 24.06.2021  
 (44) 07.12.2023  
 (72) ISHIDA, Toshinori; MORIMOTO, Shinsuke; OGATA, Toshio  
 (74) Davies Collison Cave Pty Ltd

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(71) Modular Plant Solutions LLC  
 (11) AU-B-2019229103  
 (21) 2019229103 (22) 25.02.2019  
 (54) Modular process plant structural system  
 (51) Int. Cl.  
*E04B 1/348* ( 2006.01 )  
*E04B 1/00* ( 2006.01 )  
*E04B 1/343* ( 2006.01 )  
*E04H 1/00* ( 2006.01 )  
 (87) WO2019/168781  
 (31) 62/637,657 (32) 02.03.18 (33) US  
 (43) 06.09.2019  
 (44) 07.12.2023  
 (72) HILLENBURG, Russell Richard; TOWNSEND, David Wayne; HENDRICKS, Joel Durtham  
 (74) Phillips Ormonde Fitzpatrick

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(71) MRM HK Limited  
 (11) AU-B-2018278062  
 (21) 2018278062 (22) 01.06.2018  
 (54) Zip fastener  
 (51) Int. Cl.  
*A44B 19/30* ( 2006.01 )  
 (87) WO2018/219349  
 (31) 2017902120 (32) 02.06.17 (33) AU  
 (43) 06.12.2018  
 (44) 07.12.2023  
 (72) Ritchie, Luke James  
 (74) IPiPhany Limited

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(71) Nanjing Chia Tai Tianqing Pharmaceutical Co., Ltd.  
 (11) AU-B-2021314419  
 (21) 2021314419 (22) 22.07.2021  
 (54) Salt of dihydropyrido[2,3-d]pyrimidinone derivative, preparation method therefor, and use thereof  
 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )



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**(87)** WO2022/017449  
**(31)** 202010711260.5 **(32)** 22.07.20 **(33)** CN  
**(43)** 27.01.2022  
**(44)** 07.12.2023  
**(72)** MA, Changyou; TIAN, He; ZHAO, Jianliang; CHEN, Donghui; WU, Jian; XU, Dan; ZHU, Chunxia; TIAN, Zhoushan  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** NEC Corporation  
**(11)** AU-B-2020317303  
**(21)** 2020317303 **(22)** 19.06.2020  
**(54)** INFORMATION PROCESSING DEVICE, DATA GENERATION METHOD, AND PROGRAM  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06T 7/521** ( 2017.01 )  
**(87)** WO2021/014846  
**(31)** 2019-134718 **(32)** 22.07.19 **(33)** JP  
**(43)** 28.01.2021  
**(44)** 07.12.2023  
**(72)** AKUTSU Kenta; FUNADA Junichi; KON Kazuyuki  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Nexter Systems  
**(11)** AU-B-2018406430  
**(21)** 2018406430 **(22)** 20.12.2018  
**(54)** Tool for connecting ammunition belts  
**(51)** Int. Cl.  
**F42B 39/08** ( 2006.01 )  
**F41A 9/80** ( 2006.01 )  
**F42B 39/10** ( 2006.01 )  
**(87)** WO2019/149427  
**(31)** 1800094 **(32)** 30.01.18 **(33)** FR  
**(43)** 08.08.2019  
**(44)** 07.12.2023  
**(72)** BAERT, Steve; CORDEIRO GOMES, Ghislain  
**(74)** Wallington-Dummer

**(71)** Nextivity, Inc.  
**(11)** AU-B-2022200205  
**(21)** 2022200205 **(22)** 13.01.2022  
**(54)** LOW POWER IOT BOOSTER NETWORK  
**(51)** Int. Cl.  
**H04W 4/80** ( 2018.01 )  
**H04W 52/00** ( 2009.01 )  
**(43)** 10.02.2022  
**(44)** 07.12.2023  
**(62)** 2019208328  
**(72)** Lotter, Michiel Petrus  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Nippon Soda Co., Ltd.  
**(11)** AU-B-2021272031  
**(21)** 2021272031 **(22)** 12.05.2021  
**(54)** Photosensitive resin composition for flexographic printing  
**(51)** Int. Cl.  
**G03F 7/00** ( 2006.01 )  
**G03F 7/033** ( 2006.01 )  
**(87)** WO2021/230270

**(31)** 2020-085991 **(32)** 15.05.20 **(33)** JP  
**(43)** 18.11.2021  
**(44)** 07.12.2023  
**(72)** OSUMI, Shota  
**(74)** Madderns Pty Ltd

**(71)** Nippon Steel Corporation  
**(11)** AU-B-2020345300  
**(21)** 2020345300 **(22)** 03.09.2020  
**(54)** Wound core  
**(51)** Int. Cl.  
**H01F 27/245** ( 2006.01 )  
**H01F 27/26** ( 2006.01 )  
**(87)** WO2021/049419  
**(31)** 2019-164446 **(32)** 10.09.19 **(33)** JP  
**(43)** 18.03.2021  
**(44)** 07.12.2023  
**(72)** MOGI, Hisashi; MIZUMURA, Takahito; TAMAKI, Teruyuki; FUJIMURA, Hiroshi; HIRAYAMA, Ryu  
**(74)** Spruson & Ferguson

**(71)** Nippon Telegraph and Telephone Corporation  
**(11)** AU-B-2019473195  
**(21)** 2019473195 **(22)** 07.11.2019  
**(54)** Wearable environment sensor device and monitoring system  
**(51)** Int. Cl.  
**G01K 7/00** ( 2006.01 )  
**G01N 27/00** ( 2006.01 )  
**(87)** WO2021/090436  
**(43)** 14.05.2021  
**(44)** 07.12.2023  
**(72)** TOKURA, Akio; KUWABARA, Kei; MATSUOKA, Hiroto; ISHIHARA, Takako; WADA, Toshiki; HIGUCHI, Yui-chi; HASHIMOTO, Yuki  
**(74)** Spruson & Ferguson

**(71)** NIPPON TELEGRAPH AND TELEPHONE CORPORATION  
**(11)** AU-B-2020472129  
**(21)** 2020472129 **(22)** 16.10.2020  
**(54)** SECRET GROUPING DEVICE, SECRET GROUPING SYSTEM, SECRET GROUPING METHOD, AND PROGRAM  
**(51)** Int. Cl.  
**G09C 1/00** ( 2006.01 )  
**G06F 7/06** ( 2006.01 )  
**(87)** WO2022/079909  
**(43)** 21.04.2022  
**(44)** 07.12.2023  
**(72)** HAMADA, Koki  
**(74)** Spruson & Ferguson

**(71)** Normet Oy; Oy Forcit AB  
**(11)** AU-B-2018263083  
**(21)** 2018263083 **(22)** 03.05.2018  
**(54)** A wireless electronic initiation device, an initiation arrangement and method for initiation  
**(51)** Int. Cl.  
**F42D 1/04** ( 2006.01 )  
**C06C 5/06** ( 2006.01 )

**F42B 3/10** ( 2006.01 )  
**(87)** WO2018/202953  
**(31)** 20175388 **(32)** 03.05.17 **(33)** FI  
**(43)** 08.11.2018  
**(44)** 07.12.2023  
**(72)** Ylisaukko-Oja, Arto; Tanskanen, Antti; Strömmer, Esko; Halme, Timo; Halonen, Tommi; Mykkänen, Anssi; Lehto, Janne; Tenhunen, Jouko  
**(74)** Phillips Ormonde Fitzpatrick

**Novartis AG see The Trustees of the University of Pennsylvania**  
**(21)** 2021203514

**(71)** NuGen, LLC  
**(11)** AU-B-2018364532  
**(21)** 2018364532 **(22)** 18.10.2018  
**(54)** Integrated system and methods for converting nuclear energy into electrical, mechanical, and thermal energy  
**(51)** Int. Cl.  
**F03D 9/35** ( 2016.01 )  
**F03G 7/04** ( 2006.01 )  
**(87)** WO2019/092522  
**(31)** 15/809,652 **(32)** 10.11.17 **(33)** US  
**(43)** 16.05.2019  
**(44)** 07.12.2023  
**(72)** RHYNE, Stephen K.; TSVETKOV, Pavel V.  
**(74)** Spruson & Ferguson

**(71)** Nuovo Pignone Technologie - S.r.l.  
**(11)** AU-B-2020399072  
**(21)** 2020399072 **(22)** 10.12.2020  
**(54)** Compressor with a system for removing liquid from the compressor  
**(51)** Int. Cl.  
**F04D 17/12** ( 2006.01 )  
**F04D 25/06** ( 2006.01 )  
**F04D 29/42** ( 2006.01 )  
**F04D 29/70** ( 2006.01 )  
**F04D 31/00** ( 2006.01 )  
**(87)** WO2021/115633  
**(31)** 102019000023883 **(32)** 13.12.19 **(33)** IT  
**(43)** 17.06.2021  
**(44)** 07.12.2023  
**(72)** BIGI, Manuele; FIORAVANTI, Duccio; ORTIZ NERI, Massimiliano; DOZZINI, Matteo  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Orion Corporation  
**(11)** AU-B-2018376872  
**(21)** 2018376872 **(22)** 30.11.2018  
**(54)** Process for the preparation of 2-(5-methoxyisochroman-1-yl)-4,5-dihydro-1H-imidazole and the hydrogen-sulfate salt thereof  
**(51)** Int. Cl.  
**C07D 405/04** ( 2006.01 )  
**C07D 311/76** ( 2006.01 )  
**(87)** WO2019/106238  
**(31)** 20176085 **(32)** 01.12.17 **(33)** FI  
**(43)** 06.06.2019

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 (72) LAITINEN, Ilpo; LESKINEN, Mikko; MÄKELÄ, Mikko  
 (74) Phillips Ormonde Fitzpatrick

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(71) Otis Elevator Company  
 (11) AU-B-2018202655  
 (21) 2018202655 (22) 17.04.2018  
 (54) Tension member for elevator system belt  
 (51) Int. Cl.  
**B66B 7/06** ( 2006.01 )  
 (31) 62/487,869 (32) 20.04.17 (33) US  
 (43) 08.11.2018  
 (44) 07.12.2023  
 (72) Guilani, Brad  
 (74) FPA Patent Attorneys Pty Ltd

(71) Otsuka Pharmaceutical Co., Ltd.  
 (11) AU-B-2018264400  
 (21) 2018264400 (22) 01.05.2018  
 (54) Packaged medicine  
 (51) Int. Cl.  
**A61J 3/07** ( 2006.01 )  
 (87) WO2018/207681  
 (31) PCT/ (32) 09.05.17 (33) JP  
 JP2017/017537  
 (43) 15.11.2018  
 (44) 07.12.2023  
 (72) Yokoi, Kazuma; Kashihara, Kenzo; Yamamoto, Kenta; Sonoki, Takahiro; Yamada, Shohei  
 (74) Davies Collison Cave Pty Ltd

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**A61P 25/00** ( 2006.01 )  
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*C07C 323/33* ( 2006.01 )  
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**C10K 3/02** ( 2006.01 )

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**(74)** Davies Collison Cave Pty Ltd

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**H02P 23/24** ( 2016.01 )  
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**H02J 3/38** ( 2006.01 )  
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**(11)** AU-B-2021200572  
**(21)** 2021200572 **(22)** 29.01.2021  
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**(51)** Int. Cl.  
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**A61P 7/02** ( 2006.01 )  
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TURECEK, Marietta  
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(51) Int. Cl.  
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**C05F 11/08** ( 2006.01 )  
**C12R 1/12** ( 2006.01 )  
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**G06T 5/00** ( 2006.01 )  
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**C07K 14/54** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )

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**A61K 39/395** ( 2006.01 )  
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**C09K 5/04** ( 2006.01 )  
**F25B 45/00** ( 2006.01 )  
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**A47G 19/12** ( 2006.01 )  
**A47G 19/16** ( 2006.01 )  
**A47J 31/00** ( 2006.01 )  
**B65D 47/08** ( 2006.01 )  
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(72) SAMARTGIS, Jim  
(74) BOSH IP Pty Ltd

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(54) Fast charging universal serial bus (USB type-C) connector and battery charging system for an auto battery charger  
(51) Int. Cl.  
**B60L 53/16** ( 2019.01 )  
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(31) 29/719,409 (32) 03.01.20 (33) US  
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(72) UNDERHILL, Derek Michael; IWER-UNMOR, Ifechukwude Christian; SITU,



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**(74)** Griffith Hack
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**(21)** 2021283208 **(22)** 02.06.2021  
**(54)** Lithium ion battery cell balancing system and method, and a battery charging device with lithium ion battery cell balancing  
**(51)** Int. Cl.  
*H02J 7/04* ( 2006.01 )  
*B60L 58/10* ( 2019.01 )  
*B60L 58/12* ( 2019.01 )  
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*B60L 58/22* ( 2019.01 )  
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**(72)** MCBRIDE, James P.; SIMON, Daniel L.; STANFIELD, James Richard  
**(74)** Griffith Hack
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**(11)** AU-B-2021208656  
**(21)** 2021208656 **(22)** 12.01.2021  
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*B65D 1/02* ( 2006.01 )  
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**(74)** AJ PARK
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*C07K 7/06* ( 2006.01 )  
*A61K 35/741* ( 2015.01 )  
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*A61L 27/52* ( 2006.01 )  
*A61L 27/18* ( 2006.01 )  
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*A61L 27/22* ( 2006.01 )  
*C07K 14/78* ( 2006.01 )  
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**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
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*A61P 35/00* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C07K 14/725* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
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**(44)** 07.12.2023  
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**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Method and system for detecting a structural anomaly in a pipeline network  
**(51)** Int. Cl.  
*G01N 29/50* ( 2006.01 )  
*F17D 5/06* ( 2006.01 )  
*G01M 3/24* ( 2006.01 )  
*G01N 29/04* ( 2006.01 )  
*G01N 29/30* ( 2006.01 )  
*G01N 29/46* ( 2006.01 )  
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**(51)** Int. Cl.  
*C08J 5/24* ( 2006.01 )  
*C08G 59/20* ( 2006.01 )  
*C08G 59/50* ( 2006.01 )  
*C08L 63/00* ( 2006.01 )  
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**(31)** 2020-072680 **(32)** 15.04.20 **(33)** JP  
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**(74)** FB Rice Pty Ltd
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**(51)** Int. Cl.  
*C22B 7/04* ( 2006.01 )  
*B09B 3/00* ( 2006.01 )  
*C01B 33/00* ( 2006.01 )  
*C01F 7/00* ( 2006.01 )  
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**(43)** 08.08.2019  
**(44)** 07.12.2023  
**(72)** MAREE, Suzanne Elizabeth; GHISI, Mirela; LIM, Hazel; GUO, Yafeng  
**(74)** WRAYS PTY LTD
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- (71)** TMA Capital Australia Pty Ltd  
**(11)** AU-B-2023208192  
**(21)** 2023208192 **(22)** 27.07.2023  
**(54)** System, method and computer program for an access control system  
**(51)** Int. Cl.  
*G07C 9/00* ( 2020.01 )  
*G07B 15/04* ( 2006.01 )  
**(43)** 17.08.2023  
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**(72)** KARAM, Anthony; LALETIN, Gregory Alexandravich; WALSH, Kevin John  
**(74)** Spruson & Ferguson
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**(51)** Int. Cl.

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**(72)** MASCIA, Daniel  
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**(21)** 2020438326 **(22)** 23.03.2020  
**(54)** Hot water generation device  
**(51)** Int. Cl.  
**F24H 9/12** ( 2006.01 )  
**(87)** WO2021/191963  
**(43)** 30.09.2021  
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**(72)** WAKATSUKI, Kazuhito  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Toshiba Energy Systems & Solutions Corporation  
**(11)** AU-B-2022200602  
**(21)** 2022200602 **(22)** 31.01.2022  
**(54)** Protective-layer-coated-interconnector, cell stack including this protective-layer-coated-interconnector, and fuel cell including the same  
**(51)** Int. Cl.  
**H01M 8/0245** ( 2016.01 )  
**C01F 17/206** ( 2020.01 )  
**C04B 35/50** ( 2006.01 )  
**C22C 38/28** ( 2006.01 )  
**H01M 4/52** ( 2010.01 )  
**H01M 8/0202** ( 2016.01 )  
**H01M 8/12** ( 2016.01 )

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**(72)** Kobayashi, Shohei; Kameda, Tsuneji; Asayama, Masahiro; Yoshino, Masato; Osada, Norikazu; Inuzuka, Riko  
**(74)** Davies Collison Cave Pty Ltd

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**(21)** 2018363532 **(22)** 09.10.2018  
**(54)** System and method for navigating within a track network  
**(51)** Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**B61K 9/08** ( 2006.01 )  
**B61L 25/02** ( 2006.01 )  
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**(43)** 16.05.2019  
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**(72)** WILCZEK, Krzysztof  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Translate Bio, Inc.  
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**(21)** 2019278813 **(22)** 30.05.2019  
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**(51)** Int. Cl.  
**C07J 41/00** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
**C12N 15/88** ( 2006.01 )  
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**(43)** 05.12.2019  
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**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Twelve, Inc.  
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**(21)** 2018297211 **(22)** 21.06.2018  
**(54)** Prosthetic heart valve devices and associated systems and methods  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**(87)** WO2019/010011  
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**(43)** 10.01.2019  
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**(72)** FRANCIS, Richard; ROBERTSON, Scott; LALLY, Marian; MIYASHIRO, Katherine; FRISBY, Paraic  
**(74)** FB Rice Pty Ltd

**(71)** TYK Medicines, Inc.  
**(11)** AU-B-2020280699  
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**(54)** Compound used as RET kinase inhibitor and application thereof  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
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**(43)** 26.11.2020  
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**C12Q 1/68** ( 2018.01 )  
**G01N 1/28** ( 2006.01 )  
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**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Umicore  
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**(54)** Process for the recovery of metals from polymetallic nodules  
**(51)** Int. Cl.  
**C22B 3/08** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 15/00** ( 2006.01 )  
**C22B 47/00** ( 2006.01 )  
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**(43)** 25.06.2020  
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**(74)** Davies Collison Cave Pty Ltd

**Université de Rouen see INSERM (Institut National de la Santé et de la Recherche Médicale)**  
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**(71)** Universitetet i Tromsø - Norges Arktiske Universitet  
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**(51)** Int. Cl.  
**C07D 233/96** ( 2006.01 )  
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**A61P 31/00** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(54)** Process of obtaining powdered sodium silicate from sand tailings originated from the iron ore concentration process  
**(51)** Int. Cl.  
**C01B 33/32** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
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 (54) Methods relating to pluripotent cells  
 (51) Int. Cl.  
 C12N 5/00 ( 2006.01 )  
 C12N 5/02 ( 2006.01 )  
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 (51) Int. Cl.  
 G01N 33/58 ( 2006.01 )  
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 (62) 2021218128  
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 A61K 31/404 ( 2006.01 )  
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 A61K 31/47 ( 2006.01 )  
 A61P 11/00 ( 2006.01 )  
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 (54) Device shaping in a communications network  
 (51) Int. Cl.  
 H04W 28/02 ( 2009.01 )

H04B 7/185 ( 2006.01 )  
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 (51) Int. Cl.  
 H01R 24/28 ( 2011.01 )  
 H02G 1/14 ( 2006.01 )  
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 (51) Int. Cl.  
 C07K 16/32 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
 C12N 5/10 ( 2006.01 )  
 C12N 15/09 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
 C12N 15/85 ( 2006.01 )  
 C12N 15/86 ( 2006.01 )  
 C12N 15/867 ( 2006.01 )  
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(71) Walkme Ltd.  
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 (54) Privacy-preserving data collection  
 (51) Int. Cl.  
 G06F 3/048 ( 2013.01 )  
 (87) WO2022/034574  
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 (72) SHEMER, Moran; NAHUM, Nir; ZOHAR, Ron  
 (74) James & Wells Intellectual Property

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 (54) METAL OXIDE CEMENT  
 (51) Int. Cl.  
 C04B 7/06 ( 2006.01 )  
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 (72) Waters, Trevor  
 (74) Lance Arthur Roman-Miller

(71) Well-SENSE Technology Limited  
 (11) AU-B-2018303303  
 (21) 2018303303 (22) 17.07.2018  
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 (51) Int. Cl.  
 B65H 55/04 ( 2006.01 )  
 E21B 47/01 ( 2012.01 )  
 E21B 47/12 ( 2012.01 )  
 G02B 6/44 ( 2006.01 )  
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 (31) 1711508.0 (32) 18.07.17 (33) GB  
 (43) 24.01.2019  
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 (51) Int. Cl.  
 E01F 15/14 ( 2006.01 )  
 E01F 15/12 ( 2006.01 )  
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 (43) 17.01.2019  
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 (72) WENGER, Hermann  
 (74) Davies Collison Cave Pty Ltd

(71) Wing Aviation LLC  
 (11) AU-B-2021274616  
 (21) 2021274616 (22) 01.03.2021  
 (54) Adhoc geo-fiducial mats for landing UAVs  
 (51) Int. Cl.  
 G08G 5/00 ( 2006.01 )  
 B64F 1/18 ( 2006.01 )  
 B64F 1/36 ( 2017.01 )  
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 (31) 16/818,799 (32) 13.03.20 (33) US  
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 (74) Spruson & Ferguson

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 (51) Int. Cl.  
 C12Q 1/68 ( 2018.01 )  
 (87) WO2018/196842  
 (31) 201710299957.4 (32) 28.04.17 (33) CN  
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 (54) Container with magnetic closure  
 (51) Int. Cl.  
     **A45C 7/00** ( 2006.01 )  
     **B65D 5/00** ( 2006.01 )  
     **B65D 5/36** ( 2006.01 )  
     **B65D 6/00** ( 2006.01 )  
     **B65D 6/16** ( 2006.01 )  
     **B65D 6/18** ( 2006.01 )  
 (87) WO2018/165426  
 (31) 62/468,673 (32) 08.03.17 (33) US  
 (43) 13.09.2018  
 (44) 07.12.2023  
 (72) Munie, Jeffrey Charles; Rogers, Kyle Edward; Abante, Edward; Keller, Christopher M.; Sullivan, Derek G.; Hotchkiss, Tobias  
 (74) GLMR

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(71) Zebra Technologies Corporation  
 (11) AU-B-2020309525  
 (21) 2020309525 (22) 07.07.2020  
 (54) Systems and method for enabling selective use of illumination color to capture appropriate data  
 (51) Int. Cl.  
     **G06K 7/10** ( 2006.01 )  
     **G06K 7/14** ( 2006.01 )  
     **G06K 19/06** ( 2006.01 )  
 (87) WO2021/007211  
 (31) 16/505,202 (32) 08.07.19 (33) US  
 (43) 14.01.2021  
 (44) 07.12.2023  
 (72) BARKAN, Edward; DRZYMALA, Mark; HANDSHAW, Darran Michael  
 (74) Spruson & Ferguson

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(71) ZHEJIANG JINKO SOLAR CO., LTD.  
 (11) AU-B-2022279534  
 (21) 2022279534 (22) 02.12.2022  
 (54) SOLAR CELL AND PHOTOVOLTAIC MODULE  
 (51) Int. Cl.  
     **H01L 31/0224** ( 2006.01 )  
     **H01L 31/048** ( 2014.01 )  
     **H01L 31/05** ( 2014.01 )  
 (31) 202211298941.9 (32) 24.10.22 (33) CN  
     202211298934.9 24.10.22 CN  
 (43) 07.12.2023  
 (44) 07.12.2023  
 (72) GUO, Zhiqiu; HUANG, Shiliang; GUAN, Yingli  
 (74) AUSTRALASIA IP PTY LTD

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(71) Zoetis Services LLC  
 (11) AU-B-2021202253  
 (21) 2021202253 (22) 14.04.2021  
 (54) SIGNAL AMPLIFICATION IN PLASMONIC SPECIFIC-BINDING PARTNER ASSAYS  
 (51) Int. Cl.  
     **G01N 33/553** ( 2006.01 )  
     **C07K 14/00** ( 2006.01 )  
     **C40B 40/10** ( 2006.01 )

(43) 06.05.2021  
 (44) 07.12.2023  
 (62) 2015301632  
 (72) Mehra, Rajesh K.; Aron, Kenneth P.; Chiang, Vincent; Krell, Asher  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) ZTE Corporation  
 (11) AU-B-2020378123  
 (21) 2020378123 (22) 04.11.2020  
 (54) Signaling processing method and apparatus, terminal, and storage medium  
 (51) Int. Cl.  
     **H04L 5/00** ( 2006.01 )  
 (87) WO2021/088878  
 (31) 201911090300.2 (32) 08.11.19 (33) CN  
 (43) 14.05.2021  
 (44) 07.12.2023  
 (72) MA, Xuan; CHEN, Mengzhu; XU, Jun; PENG, Focai; GUO, Qiujiu; MA, Xiaoying  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) ZTE Corporation  
 (11) AU-B-2020383209  
 (21) 2020383209 (22) 21.01.2020  
 (54) Systems and methods for reference signaling design and configuration in wireless communication networks  
 (51) Int. Cl.  
     **H04L 5/00** ( 2006.01 )  
 (87) WO2021/093176  
 (43) 20.05.2021  
 (44) 07.12.2023  
 (72) HE, Zhen; ZHANG, Shujuan; JIANG, Chuangxin; PAN, Yu; GAO, Bo; LU, Zhaohua  
 (74) Spruson & Ferguson

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<b>2016331082</b>	Vycellix, Inc.	<b>2018262920</b>	Laica S.p.a.
<b>2016355320</b>	Genentech, Inc.	<b>2018263083</b>	Normet Oy; Oy Forcit AB
<b>2016359609</b>	Five Prime Therapeutics, Inc.	<b>2018264400</b>	Otsuka Pharmaceutical Co., Ltd.
<b>2017207318</b>	Inhibrx, Inc.	<b>2018271764</b>	ESS Tech, Inc.
<b>2017207445</b>	SPINALCYTE, LLC	<b>2018278062</b>	MRM HK Limited
<b>2017211519</b>	Sibelius Limited	<b>2018281896</b>	Societe des Produits Nestle S.A.
<b>2017225003</b>	Marley New Zealand Limited	<b>2018282484</b>	Intel Corporation
<b>2017247612</b>	INSERM (Institut National de la Santé et de la Recherche Médicale); Centre Hospitalier Universitaire de Rouen; Targedys; Université de Rouen	<b>2018282907</b>	Rani Therapeutics, LLC
<b>2017258492</b>	Pfizer Inc.; The Brigham and Women's Hospital, Inc.	<b>2018288101</b>	Suntory Holdings Limited
<b>2017275081</b>	Eiken Kagaku Kabushiki Kaisha	<b>2018293333</b>	Fresenius Medical Care Deutschland GmbH
<b>2017276229</b>	AECI Mining Limited	<b>2018294561</b>	ACROTECH BIOPHARMA LLC
<b>2017306301</b>	Dana-Farber Cancer Institute, Inc.	<b>2018297199</b>	Selevan, J.; Selevan, A.; Selevan, D.
<b>2017311512</b>	Aurelius Biotherapeutics, LLC	<b>2018297211</b>	Twelve, Inc.
<b>2017317572</b>	Boehringer Ingelheim Vetmedica GmbH	<b>2018301576</b>	Telefield Medical Imaging Limited
<b>2017325983</b>	Takeda Pharmaceutical Company Limited	<b>2018303232</b>	Becton Dickinson France
<b>2017326372</b>	Janssen Biopharma, Inc.	<b>2018303303</b>	Well-SENSE Technology Limited
<b>2017341753</b>	Curirx Inc.	<b>2018303838</b>	Fastbrick IP Pty Ltd
<b>2017367699</b>	Purdue Research Foundation	<b>2018308587</b>	Haldor Topsøe A/S
<b>2017372976</b>	Seanergy Dermatology Ltd.	<b>2018309340</b>	Bispebjerg Hospital
<b>2017375358</b>	Hangzhou Great Star Industrial Co., Ltd.; Haining Sheffield Knives Co., Ltd.	<b>2018313998</b>	Donaldson Company, Inc.
<b>2017375472</b>	Caterpillar Inc.	<b>2018314205</b>	Halliburton Energy Services, Inc.
<b>2017377660</b>	Bottle Go Pty Ltd	<b>2018316277</b>	Inspire Medical Systems, Inc.
<b>2017379367</b>	Sangui Bio Pty. Ltd	<b>2018317489</b>	Allegion (Australia) Pty Ltd
<b>2017379806</b>	Largo Clean Energy Corp.	<b>2018321119</b>	MAM Baby AG
<b>2017381398</b>	Peach, B.	<b>2018321577</b>	Leica Biosystems Melbourne Pty Ltd
<b>2017398968</b>	August Rüggeberg GmbH & Co. KG	<b>2018322691</b>	Allegion (Australia) Pty Ltd
<b>2017404755</b>	Air Liquide France Industrie; L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	<b>2018326791</b>	The Regents of the University of California
<b>2017411570</b>	San-Ei Gen F.F.I., Inc.	<b>2018329671</b>	Scarab Genomics, LLC
<b>2017416025</b>	Electrolux Appliances Aktiebolag	<b>2018332264</b>	Alpinestars Research S.p.A.
<b>2017417029</b>	Kimberly-Clark Worldwide, Inc.	<b>2018335233</b>	Desertfoods International GmbH
<b>2017420325</b>	Halliburton Energy Services, Inc.	<b>2018336051</b>	Salts Healthcare Limited
<b>2017423440</b>	Wenger, Projekte und Coaching	<b>2018336052</b>	Salts Healthcare Limited
<b>2017428673</b>	Blindspace AB	<b>2018338684</b>	Suez International
<b>2018200854</b>	ALSTOM Transport Technologies	<b>2018340007</b>	Aprofol AG
<b>2018202655</b>	Otis Elevator Company	<b>2018340857</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2018204233</b>	Soremartec S.A.	<b>2018340882</b>	Light Matter Interaction Inc.
<b>2018204817</b>	Masco Corporation; The Regents of the University of Michigan	<b>2018341500</b>	Delaval Holding AB
<b>2018206564</b>	Spoke Sciences, Inc.	<b>2018350938</b>	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude
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<b>2018217057</b>	Standing Wave Reformers LLC	<b>2018351893</b>	BioTherics Limited
<b>2018218747</b>	Fujitsu General Limited	<b>2018363532</b>	Track Machines Connected Gesellschaft m.b.H.
<b>2018218875</b>	Atlas Antibodies AB	<b>2018364532</b>	NuGen, LLC
<b>2018221452</b>	Doble Engineering Company	<b>2018365176</b>	Ab Initio Technology LLC
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<b>2018229396</b>	Casale SA	<b>2018367626</b>	Ultima Genomics, Inc.
<b>2018229946</b>	Italmatch Chemicals S.p.A.	<b>2018372167</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2018230395</b>	YETI Coolers, LLC	<b>2018372826</b>	Bausch & Lomb Incorporated
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<b>2018236042</b>	Komatsu Forest AB	<b>2018376872</b>	Orion Corporation
<b>2018236825</b>	TNBT HOLDINGS PTY LTD	<b>2018383883</b>	Akzo Nobel Coatings International B.V.
<b>2018239940</b>	FMC Corporation	<b>2018386304</b>	Apellis Pharmaceuticals, Inc.
<b>2018240288</b>	Smiths Detection Inc.	<b>2018397628</b>	Coravin, Inc.
<b>2018246232</b>	Tenfold Technologies, LLC	<b>2018399010</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
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<b>2018256895</b>	ESS Tech, Inc.	<b>2018406693</b>	Tianqi Lithium Kwinana Pty Ltd
<b>2018256897</b>	ESS Tech, Inc.	<b>2018406790</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
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<b>2018260854</b>	Grifols Worldwide Operations Limited		

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2019205307	ConocoPhillips Company	2020386630	Milwaukee Electric Tool Corporation
2019206438	Aurigene Oncology Limited	2020387439	Sungrow Power Supply Co., Ltd.
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2019216875	BAE Systems Australia Limited	2020391257	CJ CheilJedang Corporation
2019217661	The Decor Corporation Pty. Ltd.	2020395007	Kao Corporation
2019220125	Samsung Electronics Co., Ltd.	2020397034	Loxo Oncology, Inc.
2019220419	Evonik Operations GmbH	2020398116	Lee, S.H.
2019220477	Sharp Kabushiki Kaisha; FG Innovation Company Limited	2020399072	Nuovo Pignone Tecnologie - S.r.l.
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2019221774	Harrison, H.; Pluta, R.	2020405579	Telefonaktiebolaget LM Ericsson (publ)
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2019233937	BAE Systems plc	2020408428	Mitsubishi Shipbuilding Co., Ltd.
2019235432	Eni S.p.A.	2020415270	Axon Enterprise, Inc.
2019243707	Airway Therapeutics, Inc.	2020417245	Techtronic Floor Care Technology Limited
2019244091	Bristol-Myers Squibb Company	2020418176	The NOCO Company
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2019278813	Translate Bio, Inc.	2020426728	GC Corporation
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2019298637	Thales	2020436861	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2019347897	Cirata, Inc.	2020438326	Toshiba Carrier Corporation
2019349651	Celgene Corporation	2020442584	The Yokohama Rubber Co., Ltd.
2019356616	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2020442945	Mitsubishi Electric Corporation
2019364630	E. & J. Gallo Winery	2020456448	Botree Cycling Sci & Tech Co., Ltd.
2019365257	Dematic Corp.	2020472129	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
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2019375245	Seasun Therapeutics	2021200972	INNATE PHARMA
2019381834	ATS IP, LLC	2021202253	Zoetis Services LLC
2019387317	SCEYE SA	2021202470	ConMed Corporation
2019407237	Umicore	2021203514	The Trustees of the University of Pennsylvania; Novartis AG; The Scripps Research Institute
2019408452	Volex Cable Assembly (Shenzhen) Co., Ltd.	2021204595	The Board of Trustees of the Leland Stanford Junior University
2019468667	Hitachi Construction Machinery Co., Ltd.	2021204791	Alios BioPharma, Inc.
2019473195	Nippon Telegraph and Telephone Corporation	2021208656	The Procter & Gamble Company
2020204665	Solidification Products International, Inc.	2021213062	AdvanSix Resins & Chemicals LLC
2020210684	Kite Pharma, Inc.	2021214474	Medytox Inc.
2020219864	HITIQ Limited	2021216036	Kyocera Senco Industrial Tools, Inc.
2020223356	Atreca, Inc.	2021216710	International Business Machines Corporation
2020256938	Institute of Chemistry, Chinese Academy of Sciences; Peking University Third Hospital	2021221148	Ancestry.com Operations Inc.
2020261087	The University of Adelaide	2021221910	Regents of the University of Minnesota
2020266339	Alcon Inc.	2021225258	Stryker Corporation
2020276392	Avexxin AS	2021225683	Chong Kun Dang Pharmaceutical Corp.
2020277444	Huawei Technologies Co., Ltd.	2021229260	Deco IP Pty Ltd
2020279251	Gentex Corporation	2021233334	Fujitsu General Limited
2020280018	The Regents of the University of California	2021234620	Liew, H.
2020280699	TYK Medicines, Inc.	2021235228	Hexcel Reinforcements
2020290409	Boston Scientific Neuromodulation Corporation	2021235688	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation
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2020303803	LG Electronics Inc.	2021238965	International Business Machines Corporation
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2020312166	Schmidt-Böcking, H.; Luther, G.	2021245129	Memorial Sloan-Kettering Cancer Center
2020315552	Rise Gardens Inc.	2021245162	Guangzhou Ribobio Co., Ltd
2020317303	NEC Corporation	2021245180	Fisher & Paykel Healthcare Limited
2020318693	Saint-Gobain Isover	2021245786	Primewan Limited
2020335801	Advanchl Biotechnology Service Center (Shanghai)	2021248176	Fujitsu General Limited
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2020356739	Shandong Kangqiao Bio-Technology Co., Ltd	2021269196	International Business Machines Corporation
2020372336	Graphic Packaging International, LLC	2021269387	Waters, T.
2020377028	China Petroleum & Chemical Corporation; Sinopec Dalian Research Institute of Petroleum and Petrochemicals Co., Ltd.	2021269390	Otsuka Pharmaceutical Co., Ltd.

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<b>2021272031</b>	Nippon Soda Co., Ltd.	<b>2022252732</b>	LivePerson, Inc.
<b>2021274616</b>	Wing Aviation LLC	<b>2022252821</b>	LG Electronics Inc.
<b>2021277676</b>	Hydrow, Inc.	<b>2022255037</b>	CASCADE READING, INC.
<b>2021277701</b>	Qubitekk, Inc.	<b>2022261310</b>	MEMBION GMBH
<b>2021277745</b>	Walkme Ltd.	<b>2022266149</b>	COOPERVISION INTERNATIONAL LIMITED
<b>2021281586</b>	Konecranes Global Corporation	<b>2022269676</b>	PRO9 GLOBAL LIMITED
<b>2021282473</b>	Quantum-Si Incorporated	<b>2022271496</b>	Google LLC
<b>2021282535</b>	LG ELECTRONICS INC.	<b>2022279534</b>	ZHEJIANG JINKO SOLAR CO., LTD.
<b>2021283208</b>	The NOCO Company	<b>2022291411</b>	PSILO SCIENTIFIC LTD
<b>2021284990</b>	Shell Internationale Research Maatschappij B.V.	<b>2022291414</b>	PSILO SCIENTIFIC LTD
<b>2021286254</b>	Glycosynnovations Pty Ltd	<b>2022325170</b>	Cambria Geosciences Inc.
<b>2021286294</b>	VCell Therapeutics, Inc.	<b>2022381847</b>	ENDOMAGNETICS LTD.
<b>2021289697</b>	IHI Corporation	<b>2023200386</b>	Magic Leap, Inc.
<b>2021290218</b>	Danmarks Tekniske Universitet	<b>2023201266</b>	Magic Leap, Inc.
<b>2021290251</b>	Magic Leap, Inc.	<b>2023201682</b>	Ventana Medical Systems, Inc.
<b>2021290311</b>	Jemella Limited	<b>2023202257</b>	Google LLC
<b>2021291583</b>	Psilo Scientific Ltd	<b>2023203774</b>	Glide-Tec Pty Ltd
<b>2021305749</b>	BYD Company Limited	<b>2023208192</b>	TMA Capital Australia Pty Ltd
<b>2021308389</b>	ABB Schweiz AG; ETH Zürich; Planted Foods AG	<b>2023251412</b>	Cue Biopharma, Inc.
<b>2021309565</b>	Merck Sharp & Dohme LLC		
<b>2021314419</b>	Nanjing Chia Tai Tianqing Pharmaceutical Co., Ltd.		
<b>2021319714</b>	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.		
<b>2021320067</b>	Telefonaktiebolaget LM Ericsson (Publ)		
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<b>2021322591</b>	Cisco Technology, Inc.		
<b>2021344334</b>	E Ink Corporation		
<b>2021360489</b>	FAST IP, LLC		
<b>2021362841</b>	FUZHOU UNIVERSITY		
<b>2021367902</b>	ETA GREEN POWER LTD.		
<b>2021369727</b>	Shanghai Municipal Engineering Design Institute (Group) Co., Ltd.		
<b>2022200205</b>	Nextivity, Inc.		
<b>2022200331</b>	Cyclerion Therapeutics, Inc.		
<b>2022200404</b>	Mack Rides GmbH & Co. KG		
<b>2022200470</b>	MFTB Holdco, Inc.		
<b>2022200480</b>	Snap Inc.		
<b>2022200484</b>	LG ELECTRONICS INC.		
<b>2022200602</b>	Toshiba Energy Systems & Solutions Corporation		
<b>2022200639</b>	Hawthorne Holdings Pty Ltd		
<b>2022200687</b>	Boston Electrometallurgical Corporation		
<b>2022200740</b>	Great Plains Manufacturing, Inc.		
<b>2022201173</b>	Snap-on Incorporated		
<b>2022201458</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.		
<b>2022201682</b>	Beijing Baidu Netcom Science Technology Co., Ltd.		
<b>2022201777</b>	CA Casyso GmbH		
<b>2022201861</b>	Fisher & Paykel Healthcare Limited		
<b>2022201922</b>	Snap-on Incorporated		
<b>2022202022</b>	ViaSat, Inc.		
<b>2022202279</b>	Shure Acquisition Holdings, Inc.		
<b>2022203041</b>	Medikine, Inc.		
<b>2022203084</b>	MED-EL Elektromedizinische Geraete GmbH		
<b>2022203156</b>	SAINT-AUGUSTIN CANADA ELECTRIC INC.		
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<b>2022204680</b>	CRISI Medical Systems, Inc.		
<b>2022204707</b>	Per Aarsleff A/S		
<b>2022209234</b>	Fronius International GmbH		
<b>2022211850</b>	Huawei Technologies Co., Ltd.		
<b>2022212967</b>	GRAPHITE ENERGY (ASSETS) PTY LIMITED		
<b>2022215198</b>	Accenture Global Solutions Limited		
<b>2022218480</b>	Korex Pty Ltd		
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2018341500	2018281896	<b><u>A47L 9 /-</u></b>	2017377660	2016355320 2017207318 2017258492 2017317572 2018235130 2018375986 2019349651 2020223356 2021203514 2021204595	<b><u>A61L 31 /-</u></b>
<b><u>A01K 61 /-</u></b>	<b><u>A23L 27 /-</u></b>	2020350013 2020417245 2020432829 2021282535 2022204218	<b><u>A61K 31 /-</u></b>		2020280018
2018335233	2017411570	<b><u>A47L 9 /-</u></b>	2016355320 2017326372 2017341753 2017367699 2017372976 2018206564 2018256459 2018281896 2018294561 2018340007 2018351893 2018366047 2019215231 2019278813 2019283673 2019375245 2020266339 2020276392 2020335801 2020397034 2021204595 2021204791 2021225683 2021245129 2021269397 2021286254 2021291583 2021309565 2021314419 2022200331 2022228149 2022231707 2022246418 2022291411 2022291414		2018372826
<b><u>A01K 63 /-</u></b>	<b><u>A23L 29 /-</u></b>	2022204218	<b><u>A61B 1 /-</u></b>	<b><u>A61K 41 /-</u></b>	<b><u>A61M 1 /-</u></b>
2018335233	2018281896	<b><u>A61B 17 /-</u></b>	2022203084	2021362841	2018293333 2018321119 2021225258
<b><u>A01K 67 /-</u></b>	<b><u>A23L 33 /-</u></b>	2022203084	<b><u>A61B 17 /-</u></b>		<b><u>A61M 13 /-</u></b>
2018225745	2017247612 2022203852	<b><u>A61B 34 /-</u></b>		<b><u>A61K 45 /-</u></b>	2021202470
<b><u>A01N 1 /-</u></b>	<b><u>A23P 30 /-</u></b>	2018253443 2019250253 2020340962 2021202470 2022203084 2022204403 2022381847	<b><u>A61B 34 /-</u></b>	2016355320 2017207318 2017341753 2018366047	<b><u>A61M 16 /-</u></b>
2020256938	2021308389	<b><u>A42B 3 /-</u></b>	<b><u>A61B 34 /-</u></b>		2021245180 2022201861
<b><u>A01N 37 /-</u></b>	<b><u>A42B 3 /-</u></b>	2018332264 2020279251	<b><u>A61B 34 /-</u></b>	<b><u>A61K 47 /-</u></b>	<b><u>A61M 25 /-</u></b>
2021266353	2018332264 2020279251	<b><u>A43B 11 /-</u></b>	<b><u>A61B 34 /-</u></b>	2017411570 2018281896 2018375986 2019375245 2020266339 2021245162	2021241401 2022201777
<b><u>A01N 43 /-</u></b>	<b><u>A43B 11 /-</u></b>	2021360489	<b><u>A61B 34 /-</u></b>	<b><u>A61K 48 /-</u></b>	<b><u>A61M 39 /-</u></b>
2020356739 2020395007 2022231707	2021360489	<b><u>A44B 19 /-</u></b>	<b><u>A61B 5 /-</u></b>	2016331082 2017207445 2019375245 2023251412	2018293333 2021245180 2022201777
<b><u>A01N 47 /-</u></b>	<b><u>A44B 19 /-</u></b>	2018278062	<b><u>A61B 5 /-</u></b>	<b><u>A61K 49 /-</u></b>	<b><u>A61M 5 /-</u></b>
2020356739	2018278062	<b><u>A45C 7 /-</u></b>	<b><u>A61B 5 /-</u></b>	2018225745	2018303232 2020401960 2022204680
<b><u>A01N 63 /-</u></b>	<b><u>A45C 7 /-</u></b>	2018282907 2018423160 2020219864 2020290409 2022381847	<b><u>A61B 6 /-</u></b>	<b><u>A61K 49 /-</u></b>	<b><u>A61M 60 /-</u></b>
2018246232 2018256459	2018230395	<b><u>A45D 1 /-</u></b>	<b><u>A61B 6 /-</u></b>	2018225745	2021241401
<b><u>A01P 13 /-</u></b>	<b><u>A45D 1 /-</u></b>	2021290311	<b><u>A61B 6 /-</u></b>	<b><u>A61K 6 /-</u></b>	<b><u>A61N 1 /-</u></b>
2018239940	2021290311	<b><u>A45D 2 /-</u></b>	<b><u>A61B 8 /-</u></b>	2020426728	2018316277 2020290409
<b><u>A01P 17 /-</u></b>	<b><u>A45D 2 /-</u></b>	2018240288	<b><u>A61B 8 /-</u></b>	<b><u>A61K 8 /-</u></b>	<b><u>A61P 1 /-</u></b>
2021266353 2022231707	2021290311	<b><u>A61B 8 /-</u></b>	<b><u>A61B 8 /-</u></b>	2017417029 2019375245 2020407254 2021214474 2021235937	2021221910
<b><u>A01P 21 /-</u></b>	<b><u>A46B 13 /-</u></b>	2018301576	<b><u>A61B 8 /-</u></b>	<b><u>A61K 9 /-</u></b>	<b><u>A61P 11 /-</u></b>
2020395007	2020350013	<b><u>A61B 90 /-</u></b>	<b><u>A61B 90 /-</u></b>	2017341753 2018281896 2018294561 2018351893	2019215231 2021286254
<b><u>A21B 5 /-</u></b>	<b><u>A46B 9 /-</u></b>	2022381847	<b><u>A61F 2 /-</u></b>		
2018204233	2020350013	<b><u>A61F 2 /-</u></b>	<b><u>A61K 36 /-</u></b>		
<b><u>A21C 1 /-</u></b>	<b><u>A47G 19 /-</u></b>	2018297211 2018309340 2019250253	<b><u>A61K 36 /-</u></b>		
2017404755	2019217661	<b><u>A61F 5 /-</u></b>	2017211519 2021291583 2022246418 2022291411 2022291414		
<b><u>A21D 13 /-</u></b>	<b><u>A47J 31 /-</u></b>	2018336051 2018336052 2020341827	<b><u>A61K 38 /-</u></b>		
2018204233	2019217661	<b><u>A47J 37 /-</u></b>	2017207318		



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<b><u>A61P 25 /-</u></b>	2018351893	<b><u>B01D 53 /-</u></b>	<b><u>B24D 18 /-</u></b>	2022269676	<b><u>B65D 1 /-</u></b>
2017211519	<b><u>A61Q 1 /-</u></b>	2018229396	2017398968	<b><u>B32B 37 /-</u></b>	2018288101
2018206564	2021213062	2020377028	<b><u>B24D 3 /-</u></b>	2022269676	2021208656
2018340007	<b><u>A61Q 15 /-</u></b>	<b><u>B01D 61 /-</u></b>	2017398968	<b><u>B32B 5 /-</u></b>	<b><u>B65D 45 /-</u></b>
2021225683	2021235937	2022261310	<b><u>B24D 7 /-</u></b>	2019387317	2018260854
2021291583	<b><u>A61Q 17 /-</u></b>	<b><u>B01D 63 /-</u></b>	2017398968	2021235228	<b><u>B65D 47 /-</u></b>
2021309565	2017417029	2022261310	<b><u>B25B 21 /-</u></b>	2022269676	2019217661
<b><u>A61P 27 /-</u></b>	<b><u>A61Q 19 /-</u></b>	<b><u>B01D 65 /-</u></b>	2022201173	<b><u>B32B 7 /-</u></b>	<b><u>B65D 5 /-</u></b>
2020266339	2019375245	2022261310	<b><u>B25B 28 /-</u></b>	2022269676	2018230395
2022246418	2020407254	<b><u>B01D 9 /-</u></b>	2022201173	<b><u>B44C 1 /-</u></b>	<b><u>B65D 51 /-</u></b>
<b><u>A61P 29 /-</u></b>	2021214474	2021234620	<b><u>B25C 1 /-</u></b>	2021290251	<b><u>B65D 51 /-</u></b>
2017372976	2021235937	<b><u>B01J 19 /-</u></b>	2021216036	<b><u>B60L 1 /-</u></b>	2017377660
2021225683	<b><u>A61Q 5 /-</u></b>	2020256938	<b><u>B25F 1 /-</u></b>	2018200854	<b><u>B65D 6 /-</u></b>
<b><u>A61P 3 /-</u></b>	2021213062	<b><u>B01J 20 /-</u></b>	2022201922	<b><u>B60L 3 /-</u></b>	2018230395
2017247612	2021235937	2020204665	<b><u>B25F 5 /-</u></b>	2018200854	<b><u>B65G 47 /-</u></b>
2018340007	<b><u>A63B 21 /-</u></b>	2020377028	2020386630	<b><u>B60L 53 /-</u></b>	2019365257
<b><u>A61P 31 /-</u></b>	2021277676	<b><u>B01L 3 /-</u></b>	2022201922	2020418176	2020372336
2020335801	<b><u>A63B 22 /-</u></b>	2021290218	<b><u>B25J 11 /-</u></b>	<b><u>B60L 58 /-</u></b>	<b><u>B65G 57 /-</u></b>
2021204791	2021277676	2022201777	2022204218	2021283208	2020372336
2021286254	<b><u>A63B 69 /-</u></b>	<b><u>B01L 9 /-</u></b>	<b><u>B25J 13 /-</u></b>	<b><u>B61K 9 /-</u></b>	<b><u>B65G 63 /-</u></b>
2021362841	2021277676	2021290218	2022204218	2018363532	2022204468
2022228149	<b><u>A63B 71 /-</u></b>	<b><u>B02C 2 /-</u></b>	<b><u>B25J 19 /-</u></b>	<b><u>B61L 25 /-</u></b>	<b><u>B65H 18 /-</u></b>
<b><u>A61P 33 /-</u></b>	2020219864	2021261897	2022204218	2018363532	2020318693
2021286254	<b><u>A63G 25 /-</u></b>	<b><u>B02C 23 /-</u></b>	2022204218	<b><u>B62D 51 /-</u></b>	<b><u>B65H 55 /-</u></b>
2022231707	2022200404	2021261897	<b><u>B25J 5 /-</u></b>	2022200740	2018303303
<b><u>A61P 35 /-</u></b>	<b><u>A63G 31 /-</u></b>	<b><u>B02C 4 /-</u></b>	2022204218	<b><u>B62D 55 /-</u></b>	<b><u>B66B 7 /-</u></b>
2016355320	2022200404	2021261897	<b><u>B25J 9 /-</u></b>	2018236042	2018202655
2018235130	<b><u>A63G 33 /-</u></b>	<b><u>B05B 1 /-</u></b>	2018303838	2022200740	<b><u>B66C 19 /-</u></b>
2018294561	2022200404	2017404755	2022204218	<b><u>B63B 25 /-</u></b>	2022204468
2018340007	<b><u>A63K 1 /-</u></b>	<b><u>B05B 15 /-</u></b>	<b><u>B29B 11 /-</u></b>	2020408428	<b><u>B66C 7 /-</u></b>
2018366047	2022200404	2017404755	2021235228	<b><u>B63J 2 /-</u></b>	2022204468
2020223356	<b><u>B01D 11 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B29C 48 /-</u></b>	2020408428	<b><u>B66D 1 /-</u></b>
2020276392	2022291411	2017404755	2021308389	<b><u>B64B 1 /-</u></b>	2022204468
2020335801	2022291414	<b><u>B07B 1 /-</u></b>	<b><u>B29C 51 /-</u></b>	2019387317	<b><u>B66F 3 /-</u></b>
2020397034	<b><u>B01D 27 /-</u></b>	2022218480	2017416025	<b><u>B64F 1 /-</u></b>	2021259781
2021203514	2018313998	<b><u>B09B 3 /-</u></b>	<b><u>B29D 11 /-</u></b>	2021274616	<b><u>B66F 7 /-</u></b>
2021204595	<b><u>B01D 29 /-</u></b>	2018406693	2023200386	<b><u>B65B 35 /-</u></b>	2021259781
2021225683	2021225258	2020337184	<b><u>B32B 18 /-</u></b>	2020372336	<b><u>B66F 9 /-</u></b>
2021286254	<b><u>B01D 35 /-</u></b>	<b><u>B09C 1 /-</u></b>	2022269676	<b><u>B65B 63 /-</u></b>	2021281586
2021314419	2018313998	2022218480	<b><u>B32B 27 /-</u></b>	2020318693	
2021362841	2021225258				
2022228149					
<b><u>A61P 37 /-</u></b>					
2021225683					
2021286254					
<b><u>A61P 43 /-</u></b>					
2017211519					
2017372976					
2018351893					
<b><u>A61P 7 /-</u></b>					
2019283673					
2021200572					
<b><u>A61P 9 /-</u></b>					

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<b><u>B67D 1/-</u></b>	<b><u>C05F 11/-</u></b>	2021309565	<b><u>C07H 15/-</u></b>	<b><u>C08F 8/-</u></b>	2021286294
2018397628	2018246232	<b><u>C07D 307/-</u></b>	2018375986	2020256938	<b><u>C12N 7/-</u></b>
2018399625	2020395007	2021309565	2021245129	<b><u>C08G 59/-</u></b>	2017317572
<b><u>B82Y 10/-</u></b>	<b><u>C06C 5/-</u></b>	<b><u>C07D 311/-</u></b>	<b><u>C07H 21/-</u></b>	2020442584	<b><u>C12N 9/-</u></b>
2018282484	2018263083	2018376872	2017326372	<b><u>C08J 5/-</u></b>	2018329671
<b><u>C01B 13/-</u></b>	<b><u>C07C 2/-</u></b>	2021309565	2018329671	2020442584	<b><u>C12P 7/-</u></b>
2018308587	2021245162	<b><u>C07D 401/-</u></b>	<b><u>C07H 3/-</u></b>	<b><u>C08K 5/-</u></b>	2019220419
<b><u>C01B 3/-</u></b>	<b><u>C07C 229/-</u></b>	2020280699	2020391257	2018229946	<b><u>C12Q 1/-</u></b>
2018217057	2021213062	2022231707	2021286254	<b><u>C08L 63/-</u></b>	2017311512
2018229396	<b><u>C07C 255/-</u></b>	<b><u>C07D 403/-</u></b>	<b><u>C07J 41/-</u></b>	2020442584	2017379367
2018308587	2021309565	2020280699	2019278813	<b><u>C09D 5/-</u></b>	2018218875
2021284990	<b><u>C07C 323/-</u></b>	2021309565	<b><u>C07K 1/-</u></b>	2018383883	2018258752
<b><u>C01B 32/-</u></b>	2020356739	2022231707	2018329671	<b><u>C09K 11/-</u></b>	2018367626
2020204665	<b><u>C07C 51/-</u></b>	<b><u>C07D 405/-</u></b>	<b><u>C07K 14/-</u></b>	2019235432	2021282473
<b><u>C01B 33/-</u></b>	2019220419	2018376872	2017306301	2021362841	<b><u>C12R 1/-</u></b>
2018406693	2020456448	<b><u>C07D 413/-</u></b>	2017317572	<b><u>C09K 5/-</u></b>	2018246232
2020337184	<b><u>C07C 59/-</u></b>	2021309565	2018225745	2020380028	<b><u>C21D 1/-</u></b>
<b><u>C01C 1/-</u></b>	2020456448	<b><u>C07D 417/-</u></b>	2018235130	2018405229	<b><u>C21D 8/-</u></b>
2018229396	<b><u>C07D 205/-</u></b>	2022231707	2018326791	<b><u>C09K 8/-</u></b>	2020380028
2018308587	<b><u>C07D 209/-</u></b>	<b><u>C07D 471/-</u></b>	2018329671	2018229946	<b><u>C22B 15/-</u></b>
<b><u>C01F 17/-</u></b>	2021309565	2021225683	2019243707	2018399626	2019407237
2022200602	<b><u>C07D 209/-</u></b>	2021314419	2019244091	<b><u>C10G 15/-</u></b>	<b><u>C22B 23/-</u></b>
<b><u>C01F 7/-</u></b>	2021291583	2022231707	2020280018	2018217057	2020456448
2018406693	2022291411	<b><u>C07D 475/-</u></b>	2021202253	<b><u>C10K 3/-</u></b>	<b><u>C22B 3/-</u></b>
<b><u>C02F 1/-</u></b>	2022291414	2018340007	2021203514	2022203041	2020456448
2018262920	<b><u>C07D 213/-</u></b>	<b><u>C07D 487/-</u></b>	2023251412	<b><u>C07K 16/-</u></b>	<b><u>C22B 3/-</u></b>
2020398116	2020356739	2021362841	2016331082	2021284990	2019407237
<b><u>C02F 103/-</u></b>	<b><u>C07D 221/-</u></b>	<b><u>C07D 491/-</u></b>	2016355320	<b><u>C11B 7/-</u></b>	2020456448
2018204817	2021309565	2021309565	2016359609	2021234620	<b><u>C22B 47/-</u></b>
<b><u>C02F 11/-</u></b>	<b><u>C07D 231/-</u></b>	<b><u>C07D 495/-</u></b>	2017207318	<b><u>C11D 1/-</u></b>	2019407237
2021369727	2021269397	2019235432	2017258492	2021213062	2020456448
<b><u>C02F 5/-</u></b>	<b><u>C07D 233/-</u></b>	<b><u>C07F 15/-</u></b>	2017317572	<b><u>C12N 1/-</u></b>	<b><u>C22B 7/-</u></b>
2018399626	2020276392	2020335801	2018235130	2018329671	2018406693
<b><u>C04B 28/-</u></b>	2022228149	<b><u>C07F 9/-</u></b>	2019283673	<b><u>C12N 15/-</u></b>	<b><u>C22C 38/-</u></b>
2018351611	<b><u>C07D 239/-</u></b>	2021291583	2019349651	2016331082	2020380028
<b><u>C04B 35/-</u></b>	2020276392	2022200331	2020210684	2017306301	2022200602
2022200602	2020356739	2022291411	2020223356	2017317572	<b><u>C23C 24/-</u></b>
<b><u>C04B 40/-</u></b>	<b><u>C07D 241/-</u></b>	2022291414	2021200972	2017326372	2019381834
2018351611	2020276392	<b><u>C07H 1/-</u></b>	2021203514	2018372167	<b><u>C23F 11/-</u></b>
<b><u>C04B 7/-</u></b>	<b><u>C07D 277/-</u></b>	2020391257	<b><u>C07K 7/-</u></b>	2019243707	2018399626
2021269387	2020276392	<b><u>C07H 13/-</u></b>	2018326791	2019278813	<b><u>C25B 1/-</u></b>
<b><u>C07D 295/-</u></b>	2021245129	2021286254	2018386304	<b><u>C12N 5/-</u></b>	2018253299
			2019206438	2016331082	2018308587
			2021214474	2017317572	
			2019283673	2017326372	
			2020210684	2018218875	
			2020223356	2018372167	
			2021200972	2019243707	
			2021203514	2019278813	
			<b><u>C08F 2/-</u></b>	<b><u>C12N 5/-</u></b>	
			2020204665	2016331082	
			<b><u>C08F 4/-</u></b>	2017317572	
			2020204665	2019243707	
				2020210684	

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<b><u>C25B 11/-</u></b>	<b><u>E04C 2/-</u></b>	<b><u>E21B 43/-</u></b>	<b><u>F16L 47/-</u></b>	<b><u>F25D 19/-</u></b>	2018204817 2022204680
2018253299	2022269676	2018314205	2022200639	2022200484	<b><u>G01G 21/-</u></b>
<b><u>C25B 15/-</u></b>	<b><u>E04D 13/-</u></b>	<b><u>E21B 47/-</u></b>	<b><u>F16L 49/-</u></b>	<b><u>F25D 23/-</u></b>	2022218605
2020387439 2021261991	2017225003	2017420325 2018303303 2019205307	2022200639	2017416025 2020436861 2020442945 2021260297	<b><u>G01J 1/-</u></b>
<b><u>C25B 9/-</u></b>	<b><u>E04F 13/-</u></b>	<b><u>F03B 13/-</u></b>	<b><u>F16L 55/-</u></b>	2022204707	2018423160
2021261991	2021229260	2020312166	<b><u>F17C 13/-</u></b>	<b><u>F25D 29/-</u></b>	<b><u>G01K 13/-</u></b>
<b><u>C25C 3/-</u></b>	<b><u>E04F 21/-</u></b>	<b><u>F03D 9/-</u></b>	2020408428	2020436861 2022200484	2018340857
2022200687	2017375358	2018364532	<b><u>F17C 9/-</u></b>	<b><u>F26B 15/-</u></b>	<b><u>G01K 3/-</u></b>
<b><u>C25C 7/-</u></b>	<b><u>E04H 1/-</u></b>	<b><u>F03G 3/-</u></b>	2020408428	2019364630	2018340857
2022200687	2019229103	2022203156	<b><u>F17D 5/-</u></b>	<b><u>F26B 17/-</u></b>	<b><u>G01K 7/-</u></b>
<b><u>C40B 40/-</u></b>	<b><u>E04H 12/-</u></b>	<b><u>F03G 7/-</u></b>	2020261087	2019364630	2018204817 2019473195
2021202253	2017381398	2018364532	<b><u>F22B 1/-</u></b>	<b><u>F26B 3/-</u></b>	<b><u>G01M 3/-</u></b>
<b><u>D04H 13/-</u></b>	<b><u>E04H 17/-</u></b>	<b><u>F04D 17/-</u></b>	2021369727	2019364630	2020261087
2021235228	2017381398	2018350938 2020399072 2021282535	<b><u>F23G 5/-</u></b>	<b><u>F28D 1/-</u></b>	<b><u>G01N 1/-</u></b>
<b><u>D06M 11/-</u></b>	<b><u>E05B 1/-</u></b>	<b><u>F04D 25/-</u></b>	2021369727	2021233334	2018321577 2018367626
2019387317	2018322691	2018350938 2020399072 2021282535	<b><u>F23G 7/-</u></b>	<b><u>F28D 20/-</u></b>	<b><u>G01N 11/-</u></b>
<b><u>D06M 15/-</u></b>	<b><u>E05B 13/-</u></b>	<b><u>F04D 29/-</u></b>	2021369727	2022212967	2018340857
2019387317	2018322691	2018350938 2020399072 2021282535	<b><u>F24F 11/-</u></b>	<b><u>F28F 21/-</u></b>	<b><u>G01N 13/-</u></b>
<b><u>E01F 15/-</u></b>	<b><u>E05B 15/-</u></b>	<b><u>F04D 31/-</u></b>	2018218747 2021248176	2022212967	2020256938
2017423440	2018322691	2018350938 2020399072 2021282535	<b><u>F24H 9/-</u></b>	<b><u>F28F 9/-</u></b>	<b><u>G01N 21/-</u></b>
<b><u>E01F 9/-</u></b>	<b><u>E05B 3/-</u></b>	<b><u>F04D 31/-</u></b>	2020438326	2021233334	2021282473 2021290251
2017381398	2018322691	2020399072	<b><u>F25B 1/-</u></b>	<b><u>F41A 9/-</u></b>	<b><u>G01N 23/-</u></b>
<b><u>E01H 1/-</u></b>	<b><u>E05B 55/-</u></b>	<b><u>F15D 1/-</u></b>	2018218747	2018406430	2020335801
2023203774	2018317489 2018322691	2018253299	<b><u>F25B 13/-</u></b>	<b><u>F41H 13/-</u></b>	<b><u>G01N 25/-</u></b>
<b><u>E02D 27/-</u></b>	<b><u>E05B 63/-</u></b>	<b><u>F16C 19/-</u></b>	2018218747	2020415270	2018340857
2017381398	2018317489 2018322691	2021259781	<b><u>F25B 39/-</u></b>	<b><u>F42B 3/-</u></b>	<b><u>G01N 27/-</u></b>
<b><u>E02D 5/-</u></b>	<b><u>E05B 65/-</u></b>	<b><u>F16C 21/-</u></b>	2021233334	2018263083	2018204817 2018340857 2019473195
2017381398	2018236825	2022203156	<b><u>F25B 41/-</u></b>	<b><u>F42B 39/-</u></b>	<b><u>G01N 29/-</u></b>
<b><u>E02F 3/-</u></b>	<b><u>E05C 1/-</u></b>	2022203156	2018218747	2018406430	2020261087 2021289697
2022200740	2018317489 2018322691	2022203156	<b><u>F25B 45/-</u></b>	<b><u>F42D 1/-</u></b>	<b><u>G01N 33/-</u></b>
<b><u>E02F 9/-</u></b>	<b><u>E06B 9/-</u></b>	<b><u>F16L 25/-</u></b>	2018405229	2017276229 2018263083	2016359609 2017275081 2017325983 2017379367 2018225745 2018338684 2018340857 2018367626
2017375472 2019468667 2022200740	2017428673	2022200639	<b><u>F25B 5/-</u></b>	<b><u>F42D 5/-</u></b>	
<b><u>E03B 3/-</u></b>	<b><u>E21B 33/-</u></b>	<b><u>F16L 27/-</u></b>	2018218747	2017276229	
2017225003	2018403510	2022200639	<b><u>F25D 11/-</u></b>	<b><u>G01C 21/-</u></b>	
<b><u>E04B 1/-</u></b>	<b><u>E21B 37/-</u></b>	<b><u>F16L 3/-</u></b>	2022200484	2018363532	
2019229103 2022269676	2018229946	2018247589	<b><u>F25D 17/-</u></b>	<b><u>G01F 1/-</u></b>	
			2022200484		

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2021202253 2022201777 2023201682	<b><u>G03B 21 /-</u></b>	<b><u>G06K 7 /-</u></b>	<b><u>G07C 9 /-</u></b>	2022279534	<b><u>H03M 1 /-</u></b>
	2023201266	2020309525	2023208192	<b><u>H01M 4 /-</u></b>	2019216875
<b><u>G01N 35 /-</u></b>	<b><u>G03B 29 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G08G 5 /-</u></b>	2022200602	<b><u>H03M 5 /-</u></b>
2018321577 2018340857 2021290218	2022204218	2018282484 2022201682 2023202257	2021274616	<b><u>H01M 6 /-</u></b>	2022204556
	<b><u>G03F 7 /-</u></b>		<b><u>G09C 1 /-</u></b>	2018253299	<b><u>H04B 1 /-</u></b>
<b><u>G01N 37 /-</u></b>	2021272031	<b><u>G06N 20 /-</u></b>	2020472129	<b><u>H01M 8 /-</u></b>	2020386630 2022204556
2018340857	<b><u>G05D 1 /-</u></b>	2023202257	<b><u>G09G 3 /-</u></b>	2017379806 2018256895 2018256897 2018271764 2022200602 2022325170	<b><u>H04B 10 /-</u></b>
<b><u>G01N 5 /-</u></b>	2022204218	<b><u>G06N 3 /-</u></b>	2021344334		2021277701 2022204556
2020256938	<b><u>G05D 13 /-</u></b>	2021216710 2022200470	<b><u>G09G 5 /-</u></b>		
<b><u>G01R 15 /-</u></b>	2022204468		2023200386	<b><u>H01R 24 /-</u></b>	<b><u>H04B 14 /-</u></b>
2020415270	<b><u>G05D 3 /-</u></b>	<b><u>G06N 7 /-</u></b>	<b><u>G10L 15 /-</u></b>		2022204556
<b><u>G01R 19 /-</u></b>	2022204468	2022215198	2021238965	2019408452	<b><u>H04B 17 /-</u></b>
2020415270	<b><u>G05D 7 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G10L 19 /-</u></b>	<b><u>H01S 5 /-</u></b>	2021320075
<b><u>G01R 31 /-</u></b>	2018253299 2022204680	2019468667 2022252732	2022201458	2021282473	<b><u>H04B 5 /-</u></b>
2018221452	<b><u>G06F 11 /-</u></b>	<b><u>G06Q 20 /-</u></b>	<b><u>G11C 11 /-</u></b>	<b><u>H02G 1 /-</u></b>	2020386630
<b><u>G01R 33 /-</u></b>	2021269196	2018249375	2021216710	2019408452	<b><u>H04B 7 /-</u></b>
2022381847	<b><u>G06F 16 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G11C 7 /-</u></b>	<b><u>H02J 11 /-</u></b>	2022202022
<b><u>G01S 17 /-</u></b>	2019347897 2019371362 2021221148	2022252732	2021216710	2018200854	<b><u>H04L 1 /-</u></b>
2018423160 2022204218		<b><u>G06Q 50 /-</u></b>	<b><u>G16H 15 /-</u></b>	<b><u>H02J 13 /-</u></b>	2019220477 2021320075
<b><u>G01S 7 /-</u></b>	<b><u>G06F 17 /-</u></b>	2019468667	2018321577	2022209234	
2018423160	2022215198	<b><u>G06Q 90 /-</u></b>	<b><u>G16H 20 /-</u></b>	<b><u>H02J 3 /-</u></b>	<b><u>H04L 12 /-</u></b>
<b><u>G01V 3 /-</u></b>	<b><u>G06F 21 /-</u></b>	2018200854	2021269390	2020387439 2022209234	2022271496
2017420325	2018365176	<b><u>G06T 1 /-</u></b>	<b><u>G16H 40 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04L 25 /-</u></b>
<b><u>G02B 1 /-</u></b>	<b><u>G06F 3 /-</u></b>	2023200386	2018321577	2021283208	2022204556
2022200480 2022266149	2021277745	<b><u>G06T 3 /-</u></b>	<b><u>H01F 27 /-</u></b>	<b><u>H02J 9 /-</u></b>	<b><u>H04L 41 /-</u></b>
	<b><u>G06F 30 /-</u></b>	2022200470	2020345300 2021367902	2018200854	2021322591
<b><u>G02B 27 /-</u></b>	2021269911	<b><u>G06T 5 /-</u></b>	<b><u>H01F 3 /-</u></b>	<b><u>H02K 7 /-</u></b>	<b><u>H04L 47 /-</u></b>
2022200480 2023200386 2023201266	<b><u>G06F 40 /-</u></b>	2019298637	2021367902	2022203156	2021245786
	2022255037	<b><u>G06T 7 /-</u></b>	<b><u>H01F 7 /-</u></b>	<b><u>H02P 23 /-</u></b>	<b><u>H04L 5 /-</u></b>
<b><u>G02B 5 /-</u></b>	<b><u>G06F 7 /-</u></b>	2019221774 2020317303 2021290251 2022200470	2020340962	2022201173	2020378123 2020383209 2022224742
2023200386 2023201266	2020472129		<b><u>H01H 35 /-</u></b>	<b><u>H02P 3 /-</u></b>	<b><u>H04L 69 /-</u></b>
<b><u>G02B 6 /-</u></b>	<b><u>G06F 8 /-</u></b>	<b><u>G06V 10 /-</u></b>	2022201173	2022201922	2021322591
2018303303 2021290251	2018365176	2021235688	<b><u>H01H 36 /-</u></b>	<b><u>H03H 7 /-</u></b>	<b><u>H04L 7 /-</u></b>
	<b><u>G06F 9 /-</u></b>	<b><u>G06V 30 /-</u></b>	2021260297 2022201173	2019233937	2022204556
<b><u>G02F 1 /-</u></b>	2018365176	2021235688	<b><u>H01L 21 /-</u></b>	<b><u>H03K 7 /-</u></b>	<b><u>H04N 19 /-</u></b>
2021277701 2021344334 2023201266	<b><u>G06K 19 /-</u></b>	<b><u>G07B 15 /-</u></b>	2019381834	2022204556	2020290835 2020293843 2020303803 2022252821
	2020309525	2023208192	<b><u>H01L 31 /-</u></b>	2022204556	

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<b><u>H04N 23 /-</u></b>	2019220477 2021320075
2022204218	
<b><u>H04Q 9 /-</u></b>	<b><u>H05B 3 /-</u></b>
2021248176	2022212967
<b><u>H04R 1 /-</u></b>	<b><u>H05C 1 /-</u></b>
2022202279	2020415270
<b><u>H04S 7 /-</u></b>	<b><u>H05K 9 /-</u></b>
2020405579	2021305749
<b><u>H04W 12 /-</u></b>	<b><u>H10N 10 /-</u></b>
2018413420	2019381834
<b><u>H04W 16 /-</u></b>	
2018408730	
<b><u>H04W 24 /-</u></b>	
2021320075	
<b><u>H04W 28 /-</u></b>	
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2018412941	
2019220125	
2021236081	
2021319714	
2022202022	
<b><u>H04W 36 /-</u></b>	
2018399010	
2018412941	
<b><u>H04W 4 /-</u></b>	
2022200205	
<b><u>H04W 52 /-</u></b>	
2022200205	
<b><u>H04W 56 /-</u></b>	
2022204556	
<b><u>H04W 64 /-</u></b>	
2018297199	
<b><u>H04W 72 /-</u></b>	
2018406790	
2019220477	
2019356616	
2020277444	
2021320067	
2022211850	
2022224742	
<b><u>H04W 74 /-</u></b>	
2021320067	
<b><u>H04W 76 /-</u></b>	
2018408730	

**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)** Emerald Planet Environmental Pty Ltd

**(11)** AU-B-2021107584

**(21)** 2021107584      **(22)** 19.10.2021

**(54)** Smoke alarm

**(51)** Int. Cl.

**G08B 17/11** ( 2006.01 )

**G08B 17/107** ( 2006.01 )

**H02H 3/02** ( 2006.01 )

**(45)** 07.12.2023

**(62)** 2021245122

**(72)** ZAMPARELLI, Daniel; ZAHOOR, Faizan

**(74)** BLACKWATTLE IP PTY LIMITED

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**(71)** Rytrans Manufacturing Pty Ltd

**(11)** AU-B-2021107679

**(21)** 2021107679      **(22)** 10.05.2021

**(54)** Guardrail system for vehicles

**(51)** Int. Cl.

**B60R 3/00** ( 2006.01 )

**B60P 3/04** ( 2006.01 )

**B60P 3/22** ( 2006.01 )

**E02F 9/08** ( 2006.01 )

**E02F 9/24** ( 2006.01 )

**(45)** 07.12.2023

**(72)** Bondili, Vivekh; Daley, Ashley William

**(74)** GLMR

**Numerical Index**

**2021107584** Emerald Planet Environmental Pty Ltd  
**2021107679** Rytrans Manufacturing Pty Ltd

**IPC Index**

**B60P 3 /-**

2021107679

**B60R 3 /-**

2021107679

**E02F 9 /-**

2021107679

**G08B 17 /-**

2021107584

**H02H 3 /-**

2021107584



**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2021247417 **v2food Pty Ltd** ( Provectus Algae Pty Ltd )
- 2023202250 **LOAM BIO PTY LTD** ( Jones Tulloch Pty Ltd )

**Opposition Dismissed - Proceed to Grant**

- 2021202477 **Bind-X GmbH** ( Ceibo Comercial SpA )

**Patents Granted**

**Standard Patents**

2016251687	2016265967	2016330807	2016332847
2016335860	2016336150	2016338851	2016350717
2016356324	2016434682	2017216609	2017219415
2017230792	2017245423	2017251651	2017251673
2017251836	2017254937	2017257191	2017264979
2017272608	2017291374	2017308158	2017308159
2017310263	2017311636	2017315222	2017320579
2017330099	2017333416	2017336687	2017350499
2017356288	2017359142	2017362475	2017365706
2017376816	2017378360	2017378396	2017385796
2017404183	2017432625	2017434772	2018201869
2018202896	2018204641	2018204743	2018204841
2018204888	2018205529	2018205724	2018213181
2018214448	2018216673	2018217134	2018217298
2018220785	2018220982	2018222325	2018225819
2018225820	2018226871	2018240850	2018249259
2018250745	2018250897	2018255513	2018257528
2018265211	2018268156	2018273105	2018273454
2018273928	2018276338	2018276939	2018279627
2018283424	2018286127	2018289672	2018295788
2018299800	2018301918	2018302141	2018303472
2018305775	2018308076	2018310680	2018313008
2018313837	2018319228	2018319627	2018326390
2018327265	2018335277	2018348762	2018350067
2018354175	2018357089	2018361867	2018374402
2018379631	2018392197	2018408340	2018436495
2019201710	2019211931	2019213045	2019215172
2019216955	2019222773	2019225242	2019236882
2019246968	2019251016	2019253510	2019255317
2019260635	2019260636	2019267166	2019302632
2019302674	2019309265	2019311817	2019328089
2019333452	2019337530	2019344667	2019346562
2019349011	2019352606	2019356526	2019361871
2019367448	2019400947	2019426480	2019427962
2019431639	2019442226	2019457782	2019460092
2019469487	2019475453	2019476316	2020202761
2020203052	2020206028	2020210555	2020213299
2020216392	2020216396	2020227568	2020227818
2020227820	2020228953	2020231570	2020234676
2020237599	2020241627	2020244321	2020250026
2020250181	2020253014	2020257053	2020259830
2020263909	2020264460	2020267318	2020267793
2020271780	2020284507	2020286068	2020288876
2020289851	2020294855	2020297336	2020297857
2020299142	2020307394	2020309495	2020311816
2020320527	2020322881	2020323522	2020324941
2020329611	2020333250	2020333960	2020350294
2020357456	2020358853	2020364223	2020370599
2020381197	2020382734	2020388219	2020393924
2020395741	2020397798	2020402165	2020412071
2020421315	2020432893	2020445198	2020467778
2021200429	2021201983	2021202063	2021202363
2021202717	2021203226	2021203270	2021203309

**Patents Granted**

**Standard Patents**

2021203520	2021203831	2021203853	2021204168
2021204261	2021204282	2021204403	2021204406
2021204435	2021204515	2021204565	2021204654
2021204710	2021208834	2021209313	2021210807
2021212005	2021214309	2021214487	2021215120
2021215183	2021215219	2021218061	2021218100
2021220242	2021221761	2021221862	2021221906
2021224835	2021229391	2021230446	2021232690
2021240214	2021240264	2021245117	2021245123
2021245232	2021257127	2021261925	2021261963
2021263005	2021266218	2021266270	2021281270
2021282524	2021286422	2021308188	2021314277
2021338587	2021355609	2021358290	2021358918
2021409904	2022200032	2022200064	2022200299
2022200357	2022200991	2022201231	2022201478
2022201541	2022201542	2022201663	2022201761
2022202433	2022202445	2022202573	2022202854
2022203014	2022203293	2022203479	2022203749
2022204059	2022204568	2022206099	2022206793
2022206801	2022218527	2022221582	2022224751
2022263516	2022263538	2022268356	2022291436
2023200573	2023203456	2023203812	2023203816

**Innovation Patents**

- 2021107687 2021107688

**Assignments Registered**

- 2004314410 Medoff, Robert; Tellman, Lars; Medoff, David The patent has been assigned to **TriMed Inc.**
- 2005277201 Combe Incorporated The patent has been assigned to **Combe International, LLC**
- 2007222640 CIMA S.p.A. di RAZZABONI & C. The patent has been assigned to **CIMA S.p.A.**
- 2007284979 Combe Incorporated The patent has been assigned to **Combe International, LLC**
- 2008248199 Drinkard Metalox, Inc. The patent has been assigned to **Altium Licensing Limited**
- 2008265521 Roetger, Carl The patent has been assigned to **Acrow Formwork and Scaffolding Pty Ltd**
- 2009327449 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**
- 2009335981 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**
- 2010263128 PAC Worldwide Corporation The patent has been assigned to **HENKEL AG & CO. KGAA**
- 2010286449 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**
- 2010286451 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**
- 2010286453 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**
- 2011209056 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**
- 2011342370 Woodford, Stephen The patent has been assigned to **Human Chimp Pty Ltd**

**Assignments Registered**

2012200444 PAC Worldwide Corporation The patent has been assigned to **HENKEL AG & CO. KGAA**

2012348327 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**

2012348328 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**

2012380394 Stichting voor de Technische Wetenschappen; Universiteit Twente The patent has been assigned to **Universiteit Twente**

2013222249 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2013370897 eSight Corp. The patent has been assigned to **Gentex Corporation**

2013409341 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2014202490 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2014203205 elston, ty The patent has been assigned to **Bare Investing Pty Ltd**

2014250646 Woodford, Stephen The patent has been assigned to **Human Chimp Pty Ltd**

2014259507 Medoff, Robert The patent has been assigned to **TriMed Inc.**

2015205946 Shakanda Australia Pty Ltd The patent has been assigned to **Shakanda Assets Pty Ltd**

2015252948 E. I. du Pont de Nemours and Company The patent has been assigned to **Covation Inc.**

2016202825 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2016203296 PAC Worldwide Corporation The patent has been assigned to **HENKEL AG & CO. KGAA**

2016204502 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2016271517 Anuvia Plant Nutrients Holdings, Inc. The patent has been assigned to **Profile Products LLC**

2016276042 Dupont Industrial BioSciences USA, LLC The patent has been assigned to **Covation Inc.**

2017203025 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2017208385 BRESCO SURFACE ENGINEERING PTY LTD The patent has been assigned to **MOGAS Industries Pty Ltd**

2017217249 Pioneer Maritime Pty Ltd The patent has been assigned to **Sea Transport Design Pty Ltd**

2017239483 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2017250505 Trigemina, Inc. The patent has been assigned to **TONIX PHARMACEUTICALS HOLDING CORP.**

2017345384 International Flavors & Fragrances Inc The patent has been assigned to **Lucas Meyer Cosmetics**

**Assignments Registered**

2018202648 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2018251949 Institut Gustave Roussy The patent has been assigned to **Institut Gustave Roussy; Centre National De La Recherche Scientifique; Institut National De La Santé Et De La Recherche Médicale; Université Paris-Saclay**

2018273803 Bondi Sands Pty Ltd The patent has been assigned to **Kao USA Inc.**

2018415667 Huawei Technologies Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2019205000 Huawei Device Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2021287986 OURS Technology, LLC The patent has been assigned to **Aurora Operations, Inc.**

2021288211 OURS Technology, LLC The patent has been assigned to **Aurora Operations, Inc.**

2021300366 OURS Technology, LLC The patent has been assigned to **Aurora Operations, Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2015299163 **F. Hoffmann-La Roche AG**

The earliest first regulatory approval date provided by the patentee 09 Aug 2023

For the goods COLUMVI glofitamab

2019250201 **F. Hoffmann-La Roche AG**

The earliest first regulatory approval date provided by the patentee 09 Aug 2023

For the goods COLUMVI glofitamab

**Corrigenda**

In Vol 35 , No 41 , Page(s) 8056 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Chambers Technologies, Inc., Application No. 2020225376, under INID (71) correct the applicant name to Chambers Technology Inc.

In Vol 57 , No 11 , Page(s) 1666 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name ESCO Group LLC, Application No. 2021312378, under INID (72) add co-inventor JENSON, Christopher Alan

In Vol 57 , No 47 , Page(s) 6785 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2021** Delete all reference to 2021200540.

**Specifications Republished**

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2018333293 **9220-6820 Québec Inc.**  
 2019431775 **Huawei Digital Power Technologies Co., Ltd.**

**Specifications Republished**

2022256389 MOMENTA PHARMACEUTICALS, INC.  
2022256497 COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC.  
2022256510 SPIROVANT SCIENCES, INC.  
2022256796 INBIOSE N.V.  
2022257000 RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL  
2022257035 COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC.  
2022258874 INBIOSE N.V.  
2022259314 GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.  
2022260111 ANJARIUM BIOSCIENCES AG  
2022260531 ASTRAZENECA AB  
2022260544 ASTRAZENECA AB  
2022261422 ASTRAZENECA AB  
2022262623 EMENDOBIO INC.  
2022262641 PRECISION BIOSCIENCES, INC.; UNIVERSITY OF MIAMI  
2022264619 ALETHIA BIOTHERAPEUTICS INC.  
2022264812 WOBBLE GENOMICS LIMITED  
2022265542 4BASEBIO, S.L.U.; 4BASEBIO UK LTD  
2022266854 ALETHIA BIOTHERAPEUTICS INC.  
2022268706 PFIZER INC.  
2022269043 LATERAL PHARMA PTY LTD  
2022269279 HOBA THERAPEUTICS APS  
2022271212 REGENERON PHARMACEUTICALS, INC.  
2022272250 BEAM THERAPEUTICS INC.  
2022272489 YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.  
2022272723 BECTON, DICKINSON AND COMPANY  
2022272906 JANUX THERAPEUTICS, INC.  
2022273052 GEN-PROBE INCORPORATED  
2022273290 PASITHEA THERAPEUTICS CORP.  
2022275552 GINKGO BIOWORKS, INC.  
2022275928 CELLEDIT LLC  
2022276473 OXFORD NANOPORE TECHNOLOGIES PLC; IMPERIAL COLLEGE INNOVATIONS LIMITED  
2022277047 SWETREE TECHNOLOGIES AB  
2022277645 CARBIOS  
2022277649 CELLECTIS S.A.  
2022277694 ELI LILLY AND COMPANY  
2022279213 UNIVERSITY OF MARYLAND, COLLEGE PARK; SILVEC BIOLOGICS INC.  
2022279241 CODEXIS, INC.  
2022280091 LYELL IMMUNOPHARMA, INC.  
2022280100 NOBELL FOODS, INC.  
2022280269 BEIJING ANXINHUAIDE BIOTECH. CO., LTD  
2022280863 ARROWHEAD PHARMACEUTICALS, INC.  
2022280957 SANA BIOTECHNOLOGY, INC.  
2022282573 OCTARINE BIO APS  
2022283254 ALEXION PHARMACEUTICALS, INC.  
2022283436 XYONE THERAPEUTICS INC.; DANA-FARBER CANCER INSTITUTE, INC.  
2022288123 INNATE PHARMA  
2022288574 INNATE PHARMA  
2022288634 REGENERON PHARMACEUTICALS, INC.  
2022288996 MALLINCKRODT PHARMACEUTICALS IRELAND LIMITED  
2022289017 GENENTECH, INC.  
2022297506 INSTITUTE OF ORGANIC CHEMISTRY AND BIO-CHEMISTRY AS CR, V. V. I.  
2022302907 RIGSHOSPITALET; UNIVERSITY OF COPENHAGEN