



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



## Contents

### General Information & Notices

#### Amendments

Applications for Amendment .....	756
Amendments Made .....	757
Alteration of Name(s) of Applicant(s)/Patentee(s) .....	758

#### Applications Accepted

Name Index .....	825
Numerical Index .....	859
IPC Index .....	862

Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired .....	753
---	-----

#### Applications Open to Public Inspection

Name Index .....	760
Numerical Index .....	772
IPC Index .....	774

Assignments before Grant, Section 113 .....	755
---	-----

Assignments Registered .....	871
------------------------------	-----

#### Certified Innovation Patents

Name Index .....	868
Numerical Index .....	869
IPC Index .....	870

#### Complete Applications Filed

Name Index .....	746
Numerical Index .....	751

Corrigenda .....	872
------------------	-----

Extensions of Time, Section 223 .....	756
---------------------------------------	-----

**Innovation Patents Open to Public Inspection**

Name Index .....	776
Numerical Index .....	777
IPC Index .....	778

**PCT applications which have entered the National Phase**

Name Index .....	779
Numerical Index .....	815
IPC Index .....	819

<b>Patents Granted .....</b>	<b>871</b>
------------------------------	------------

<b>Opposition Proceedings .....</b>	<b>871</b>
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**Provisional Applications Filed**

Name Index .....	743
Numerical Index .....	745

<b>Specifications Republished .....</b>	<b>872</b>
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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 -

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Helix Flight Manufacturing Machines Ltd v Robo Helix Pty Limited [2024] APO 3*

Patent Application: 2017233542

Title: Method and apparatus for forming a helical type flight

Patent Applicant: Robo Helix Pty Limited

Opponent: Helix Flight Manufacturing Machines Ltd

Delegate: Greg Powell

Decision Date: 30 January 2024

Hearing Date: 8 November 2023, in Video Conference

Catchwords: **PATENTS** – opposition to the grant of the patent under s 59 – novelty – claims have novelty – inventive step – on the evidence the claims are inventive – lack of clarity and support for the claims – claims provide a workable standard and are clear – claims do not claim matter that extends beyond what is justified and are supported – opposition unsuccessful – costs awarded

Representation: Counsel for the applicant: Andrew Fox SC  
Patent attorney for the applicant: Chris Atichian and Tony Smeeton of Halfords IP  
Counsel for the opponent: Vincent Powell  
Patent attorney for the opponent: Anton Huggard of AJ Pietras IP Ltd

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 23 Jan 2024 .

(71) Agnitek Pty Ltd (21) 2024900208 (22) 30.01.2024 (54) Assembly for Improved Fire Rating	(71) Burstsafe Pty Ltd (21) 2024900162 (22) 24.01.2024 (54) Plumbing connector	(71) Fenwick, T. (21) 2024900175 (22) 25.01.2024 (54) SYSTEM AND METHOD FOR IDENTIFYING AND REMEDIATING ISSUES WITH NETWORKED DEVICES
(71) Australian Advanced Materials Pty Ltd (21) 2024900184 (22) 25.01.2024 (54) Moisture Electric Generating Device	(71) CathRx Ltd (21) 2024900203 (22) 29.01.2024 (54) SYSTEM AND PROCESS FOR OPTIMISING THE PLACEMENT OF AN INTRA-CARDIAC CATHETER OF A PULSED FIELD ABLATION SYSTEM	(71) Gonzalez, M. (21) 2024900215 (22) 30.01.2024 (54) safety vest for transportation of power tool
(71) Australian Advanced Materials Pty Ltd (21) 2024900185 (22) 25.01.2024 (54) Moisture Electric Generating Device	(71) CE ITS Holdings Pty Ltd (21) 2024900212 (22) 30.01.2024 (54) Moveable median	(71) Heatmaster Pty Ltd (21) 2024900174 (22) 25.01.2024 (54) Visual Flame Effect Electrically Powered Heater
(71) Australian Advanced Materials Pty Ltd (21) 2024900186 (22) 25.01.2024 (54) Moisture Electric Generating Device	(71) CNERGY PTY LTD (21) 2024900178 (22) 25.01.2024 (54) Method for Developing Multi-Harvest Crop Varieties Responsive to Organic Bio-stimulants	(71) Icon23 Pty Ltd (21) 2024900202 (22) 29.01.2024 (54) A beverage container assembly
(71) Australian Advanced Materials Pty Ltd (21) 2024900188 (22) 25.01.2024 (54) Moisture Electric Generating Device	(71) CONCRETE LIFTING SYSTEMS NZ LIMITED (21) 2024900193 (22) 26.01.2024 (54) LIFTING ANCHOR	(71) ILLUMINOLAR PTY LTD (21) 2024900169 (22) 24.01.2024 (54) MULTILAYER COMPOSITE SURFACE STRUCTURE FOR PRODUCING SOLAR POWER USING ROAD AND BUILDING SURFACES
(71) Australian Marine Bioproducts Pty Ltd (21) 2024900166 (22) 24.01.2024 (54) SUBMERSIBLE STRUCTURE	(71) DAVID PENN CONSULTING PTY LTD (21) 2024900189 (22) 25.01.2024 (54) LINGUAL BAR ASSEMBLY	(71) Jack, T. (21) 2024900195 (22) 26.01.2024 (54) Kite System for Marine Vessel
(71) Australian Mines Limited (21) 2024900177 (22) 25.01.2024 (54) METHOD OF ALLOY SYNTHESIS	(71) DBE ATTACHMENTS PTY LTD (21) 2024900213 (22) 30.01.2024 (54) HITCHING DEVICE	(71) Jafarlou, M. (21) 2024900198 (22) 29.01.2024 (54) The process of producing exosomes containing mir-299-5p for the treatment of Alzheimer's disease.
(71) Australian Mines Limited (21) 2024900179 (22) 25.01.2024 (54) Magnesium Composite and Method of Synthesis Thereof	(71) DRIVERS DESK PTY LTD (21) 2024900160 (22) 24.01.2024 (54) MOUNTABLE DESKTOP	(71) John Joseph O Loughlin (21) 2024900199 (22) 29.01.2024 (54) ORCA-ONE
(71) Bimbi Bums Pty Ltd (21) 2024900204 (22) 29.01.2024 (54) Potty	(71) Edey, A. (21) 2024900173 (22) 25.01.2024 (54) Combined dog waste bag roll dispenser, and dog waste container	

Provisional Applications Filed - Name Index cont'd

(71) Lam, T.T.  
 (21) 2024900172 (22) 25.01.2024  
 (54) SYNCHRONIZED AUXILIARY BEARING AND VIBRATION DAMPER-DISPLACER AND ULTRA HIGH-SPEED BEARING

(71) Lycopodium Minerals Pty Ltd  
 (21) 2024900176 (22) 25.01.2024  
 (54) PIPE CLAMPING SYSTEM

(71) Lyons, C.  
 (21) 2024900196 (22) 27.01.2024  
 (54) WETSUIT HEATER

(71) MANTIS DESIGN PTY. LIMITED  
 (21) 2024900191 (22) 26.01.2024  
 (54) Modular Miniature Model Case

(71) MEADER, K.  
 (21) 2024900190 (22) 26.01.2024  
 (54) IMPROVEMENTS IN HAND OPERATED POWER TOOL .

(71) Melton Fires Pty Ltd  
 (21) 2024900171 (22) 24.01.2024  
 (54) Heat Recovery Reducer

(71) Mitilabs Pty Ltd  
 (21) 2024900197 (22) 28.01.2024  
 (54) VIBRATION MONITORING SYSTEM AND DEVICE

(71) Naraiyah Holdings Pty LTD  
 (21) 2024900180 (22) 25.01.2024  
 (54) Forearm and wrist exercise apparatus

(71) Nesci, M.  
 (21) 2024900206 (22) 29.01.2024  
 (54) PROCESS OF PUMPING WATER LONG DISTANCES USING RENEWABLE

(71) NewSouth Innovations Pty Limited  
 (21) 2024900164 (22) 24.01.2024  
 (54) Cardiac Treatment

(71) Oztent Australia Pty. Limited  
 (21) 2024900201 (22) 29.01.2024  
 (54) Multi-purpose furniture attachment system

(71) Reef Design Lab International Pty Ltd  
 (21) 2024900209 (22) 30.01.2024  
 (54) MODULAR ARTIFICIAL REEF STRUCTURE

(71) Rope Doors  
 (21) 2024900182 (22) 25.01.2024  
 (54) A rope door curtain using a unique and original method of securing the rope in a cross member.

(71) Scolaro, A.  
 (21) 2024900207 (22) 30.01.2024  
 (54) A Power Drive

(71) sorgiovanni, j.  
 (21) 2024900194 (22) 26.01.2024  
 (54) Protect Me is mobile app designed to quickly effortlessly connect registered security persons with anyone requiring security assistance to and from their commute ensuring safety and peace of mind at all times. Using GPS this app will promptly alert several of the closest security professionals in your area who can choose to accept you request and will accompany and protect you on your journey, whether its walking, driving along side you or even riding in the same vehicle. Users both security and customers using the app must agree to term of service, the app takes a percentage every transaction

(71) Subrib Pty Ltd  
 (21) 2024900205 (22) 29.01.2024  
 (54) APPARATUS FOR ASSISTING IN PREVENTING EROSION OF A SURFACE SURROUNDING A STRUCTURE

(71) Tenkate, C.  
 (21) 2024900181 (22) 25.01.2024  
 (54) SOLAR ENERGY COLLECTION ASSEMBLY

(71) TERITAITI, C.  
 (21) 2024900210 (22) 30.01.2024  
 (54) A TROWEL FOR USE IN LAYING BRICKS

(71) The University of Adelaide  
 (21) 2024900214 (22) 30.01.2024  
 (54) ELECTROLYTE ADDITIVE FOR HIGH PERFORMANCE IODINE OR BROMINE BASED ELECTROCHEMICAL DEVICE

(71) The University of Queensland  
 (21) 2024900187 (22) 25.01.2024  
 (54) COMPOSITIONS AND METHODS FOR MODULATING ANTIMICROBIAL RESPONSES

(71) The University of Sydney  
 (21) 2024900167 (22) 24.01.2024  
 (54) Doped perovskite

(71) The University of Sydney  
 (21) 2024900168 (22) 24.01.2024  
 (54) Perovskite spacer

(71) Tru-Turf Pty Ltd  
 (21) 2024900211 (22) 30.01.2024  
 (54) Coupling Device

(71) Warner, M.  
 (21) 2024900170 (22) 24.01.2024  
 (54) Process of fusing post-processed kinematic (PPK) GPS as SLAM constraints to realign SLAM drift to create accurate maps.

(71) WIREMAN PTY LIMITED  
 (21) 2024900200 (22) 29.01.2024  
 (54) A Multiple Use Wire Tightener

(71) XMET Pty LIMITED  
 (21) 2024900183 (22) 25.01.2024  
 (54) CARBON COATED MINERALS FOR THE REDUCTION OF METHANE FROM RUMINANTS

(71) Zenice baths  
 (21) 2024900192 (22) 26.01.2024  
 (54) Water filtration system

Numerical Index

2024900160	DRIVERS DESK PTY LTD
2024900162	Burstsafe Pty Ltd
2024900164	NewSouth Innovations Pty Limited
2024900166	Australian Marine Bioproducts Pty Ltd
2024900167	The University of Sydney
2024900168	The University of Sydney
2024900169	ILLUMINOLAR PTY LTD
2024900170	Warner, M.
2024900171	Melton Fires Pty Ltd
2024900172	Lam, T.T.
2024900173	Edye, A.
2024900174	Heatmaster Pty Ltd
2024900175	Fenwick, T.
2024900176	Lycopodium Minerals Pty Ltd
2024900177	Australian Mines Limited
2024900178	CNERGY PTY LTD
2024900179	Australian Mines Limited
2024900180	Naraiyah Holdings Pty LTD
2024900181	Tenkate, C.
2024900182	Rope Doors
2024900183	XMET Pty LIMITED
2024900184	Australian Advanced Materials Pty Ltd
2024900185	Australian Advanced Materials Pty Ltd
2024900186	Australian Advanced Materials Pty Ltd
2024900187	The University of Queensland
2024900188	Australian Advanced Materials Pty Ltd
2024900189	DAVID PENN CONSULTING PTY LTD
2024900190	MEADER, K.
2024900191	MANTIS DESIGN PTY. LIMITED
2024900192	Zenice baths
2024900193	CONCRETE LIFTING SYSTEMS NZ LIMITED
2024900194	sorgiovanni, j.
2024900195	Jack, T.
2024900196	Lyons, C.
2024900197	Mitilabs Pty Ltd
2024900198	Jafarlou, M.
2024900199	John Joseph O Loughlin
2024900200	WIREMAN PTY LIMITED
2024900201	Oztent Australia Pty. Limited
2024900202	Icon23 Pty Ltd
2024900203	CathRx Ltd
2024900204	Bimbi Bums Pty Ltd
2024900205	Subrib Pty Ltd
2024900206	Nesci, M.
2024900207	Scolaro, A.
2024900208	Agnitek Pty Ltd
2024900209	Reef Design Lab International Pty Ltd
2024900210	TERITAITI, C.
2024900211	Tru-Turf Pty Ltd
2024900212	CE ITS Holdings Pty Ltd
2024900213	DBE ATTACHMENTS PTY LTD
2024900214	The University of Adelaide
2024900215	Gonzalez, M.

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 23 Jan 2024 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) 3Spine, Inc. (21) 2024200466 (22) 25.01.2024 (54) SPINAL OSTEOTOMY</p> <hr/> <p>(71) Abiomed, Inc. (21) 2024200469 (22) 25.01.2024 (54) Expandable introducer sheath for medical device</p> <hr/> <p>(71) Ablynx N.V. (21) 2024200553 (22) 30.01.2024 (54) T cell recruiting polypeptides based on TCR alpha/beta reactivity</p> <hr/> <p>(71) Adobe Inc. (21) 2024200505 (22) 28.01.2024 (54) ANIMATED FACIAL EXPRESSION AND POSE TRANSFER UTILIZING AN END-TO-END MACHINE LEARNING MODEL</p> <hr/> <p>(71) Adobe Inc. (21) 2024200506 (22) 28.01.2024 (54) FACIAL EXPRESSION AND POSE TRANSFER UTILIZING AN END-TO-END MACHINE LEARNING MODEL</p> <hr/> <p>(71) Adobe Inc. (21) 2024200513 (22) 29.01.2024 (54) HUMAN INPAINTING UTILIZING A SEGMENTATION BRANCH FOR GENERATING AN INFILL SEGMENTATION MAP</p> <hr/> <p>(71) Adobe Inc. (21) 2024200516 (22) 29.01.2024 (54) COMPLETE 3D OBJECT RECONSTRUCTION FROM AN INCOMPLETE IMAGE</p> <hr/> <p>(71) AdvanSix Resins &amp; Chemicals LLC (21) 2024200456 (22) 24.01.2024 (54) Surfactants for electronics products</p> <hr/> <p>(71) AdvanSix Resins &amp; Chemicals LLC (21) 2024200481 (22) 25.01.2024 (54) Surfactants for inks, paints, and adhesives</p> <hr/>	<p>(71) AEON BioPharma, Inc. (21) 2024200555 (22) 30.01.2024 (54) NEUROTOXIN COMPOSITIONS FOR USE IN TREATING GASTROPARESIS</p> <hr/> <p>(71) AF Water Systems Equipment Co., Ltd. (21) 2024200538 (22) 30.01.2024 (54) Regenerative filtration system and control method thereof</p> <hr/> <p>(71) AgJunction LLC (21) 2024200543 (22) 30.01.2024 (54) Integrated auto-steer system for vehicle</p> <hr/> <p>(71) AgriMetis, LLC (21) 2024200573 (22) 31.01.2024 (54) Aziridine spinosyn derivatives and methods of making</p> <hr/> <p>(71) Alector LLC (21) 2024200443 (22) 24.01.2024 (54) Anti-TREM2 antibodies and methods of use thereof</p> <hr/> <p>(71) Amgen Inc. (21) 2024200534 (22) 29.01.2024 (54) Anti-TL1A/anti-TNF-alpha bispecific antigen binding proteins and uses thereof</p> <hr/> <p>(71) Amryt Endo, Inc. (21) 2024200465 (22) 25.01.2024 (54) Oral octreotide administered in combination with other therapeutic agents</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2024200557 (22) 30.01.2024 (54) TABLE GAME SYSTEM</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2024200568 (22) 30.01.2024 (54) GAMING TABLE SYSTEM</p> <hr/> <p>(71) Apple Inc. (21) 2024200460 (22) 25.01.2024 (54) Emoji recording and sending</p> <hr/> <p>(71) Apple Inc. (21) 2024200544 (22) 30.01.2024 (54) Devices, methods, and graphical user interfaces for moving a current focus using a touch-sensitive remote control</p> <hr/>	<hr/> <p>(71) Apple Inc. (21) 2024200563 (22) 30.01.2024 (54) Device, method, and graphical user interface for manipulating user interfaces based on unlock inputs</p> <hr/> <p>(71) Applied Medical Resources Corporation (21) 2024200471 (22) 25.01.2024 (54) Surgical stapler with self-adjusting staple height</p> <hr/> <p>(71) Applied Research Associates, Inc. (21) 2024200479 (22) 25.01.2024 (54) Hydrothermal purification process</p> <hr/> <p>(71) Applied Therapeutics Inc. (21) 2024200537 (22) 30.01.2024 (54) Compositions and methods for treating galactosemia</p> <hr/> <p><b>Assistance Publique-Hôpitaux de Paris (APHP) see INSERM (Institut National de la Santé et de la Recherche Médicale)</b> (21) 2024200549</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2024200463 (22) 25.01.2024 (54) Compositions, methods, systems and/or kits for detecting antimicrobial resistance in bacteria</p> <hr/> <p>(71) BNSF Railway Company (21) 2024200532 (22) 29.01.2024 (54) RAILROAD VIRTUAL TRACK BLOCK SYSTEM</p> <hr/> <p>(71) Boston Scientific Scimed, Inc. (21) 2024200454 (22) 24.01.2024 (54) Pump assembly for a penile prosthesis</p> <hr/> <p>(71) Boston Scientific Scimed, Inc. (21) 2024200473 (22) 25.01.2024 (54) Vapor ablation systems and methods</p> <hr/> <p>(71) Breville Pty Limited (21) 2024200455 (22) 24.01.2024 (54) Apparatus and method for frothing milk</p> <hr/>
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Complete Applications Filed - Name Index cont'd

(71) Brown, D.  
(21) 2024200444 (22) 24.01.2024  
(54) Compositions and methods to improve the therapeutic benefit of indirubin and analogs thereof, including meisoindigo

(71) Bucceri, A.; Bucceri Holdings Pty Ltd  
(21) 2024200564 (22) 30.01.2024  
(54) Remote Multi Functional snow making machine

**Bucceri Holdings Pty Ltd see Bucceri, A.**  
(21) 2024200564

(71) Canon Kabushiki Kaisha  
(21) 2024200562 (22) 30.01.2024  
(54) Tool selection for feature map encoding vs regular video encoding

(71) Capital One Services, LLC  
(21) 2024200447 (22) 24.01.2024  
(54) Tap to copy data to clipboard via NFC

(71) Capital One Services, LLC  
(21) 2024200525 (22) 29.01.2024  
(54) Verified reviews using a contactless card

(71) Capital One Services, LLC  
(21) 2024200558 (22) 30.01.2024  
(54) System and method for second factor authentication of customer support calls

(71) CareFusion 303, Inc.  
(21) 2024200541 (22) 30.01.2024  
(54) Tamper-resistant cap

(71) CareFusion Corporation  
(21) 2024200542 (22) 30.01.2024  
(54) Diaphragm check valve

(71) Cartwright, N.  
(21) 2024200497 (22) 26.01.2024  
(54) Capitalization of names

(71) Catalog Technologies, Inc.  
(21) 2024200559 (22) 30.01.2024  
(54) SYSTEMS FOR NUCLEIC ACID-BASED DATA STORAGE

(71) Caterpillar Underground Mining Pty Ltd  
(21) 2024200527 (22) 29.01.2024  
(54) Electrical connector assembly

(71) Celerium Inc.  
(21) 2024200502 (22) 27.01.2024  
(54) NETWORK COMPROMISE ACTIVITY MONITORING SYSTEM

(71) CFPH, LLC  
(21) 2024200470 (22) 25.01.2024  
(54) AMUSEMENT DEVICES AND GAMES INVOLVING PROGRESSIVE JACKPOTS

(71) CFPH, LLC  
(21) 2024200540 (22) 30.01.2024  
(54) SYSTEMS AND METHODS FOR DETERMINING THAT A GAMING DEVICE IS COMMUNICATING WITH A GAMING SERVER

(71) Chadra Laboratories LLC  
(21) 2024200554 (22) 30.01.2024  
(54) Multi-interface transponder device

(71) CHASM Advanced Materials, Inc.  
(21) 2024200509 (22) 29.01.2024  
(54) Carbon-carbon nanotube hybrid materials and methods of producing same

(71) Chen, C.  
(21) 2024200501 (22) 26.01.2024  
(54) MEDICAL VEST AND USING METHOD THEREOF

(71) Chevron U.S.A. Inc.  
(21) 2024200452 (22) 24.01.2024  
(54) System and method for testing well integrity

(71) Ciappa, M.B.  
(21) 2024200514 (22) 29.01.2024  
(54) Improved flex and torsion water sports board

**Crider Jr., R. see Fults, A.**  
(21) 2024200524

**Cripps Clark, J. see Cripps Clark, J.**  
(21) 2024200474

(71) Cripps Clark, J.; Cripps Clark, J.  
(21) 2024200474 (22) 25.01.2024  
(54) DevHauxSoak device and infrastructure supporting high reliability and safety oriented auxiliary block chain functions and for delivering geographic/economic equity in block chain enabled systems of any kind where further protocol may be needed to allow for lag or for later invoked conditional operating actions (including cancellations, updates) using logic coordinating earlier preparation for possible future network unavailability or degradation made by a user in a less well serviced network environment.

(71) Dana-Farber Cancer Institute, Inc.; Tscan Therapeutics, Inc.  
(21) 2024200495 (22) 26.01.2024  
(54) MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF

(71) Dana-Farber Cancer Institute, Inc.  
(21) 2024200512 (22) 29.01.2024  
(54) STABILIZED PEPTIDE-MEDIATED TARGETED PROTEIN DEGRADATION

(71) Dana-Farber Cancer Institute, Inc.  
(21) 2024200560 (22) 30.01.2024  
(54) Immunogenic peptides specific to BCMA and TACI antigens for treatment of cancer

(71) Daniel S. O'Toole  
(21) 2024200570 (22) 31.01.2024  
(54) A dock for a drone

(71) Debiotech S.A.; Universität Bern  
(21) 2024200477 (22) 25.01.2024  
(54) SYSTEM AND METHOD FOR IMPROVING THE DRUG THERAPY MANAGEMENT

(71) Derrick Corporation  
(21) 2024200453 (22) 24.01.2024  
(54) APPARATUSES, METHODS, AND SYSTEMS FOR VIBRATORY SCREENING

(71) DJO Global, Inc.  
(21) 2024200461 (22) 25.01.2024  
(54) Glenosphere with flange for augmented fixation and related methods

(71) Dominello, S.  
(21) 2024200507 (22) 29.01.2024  
(54) Interlinkable mobile coolroom and storage

(71) D R Baling Wire Manufacturers Limi  
(21) 2024200510 (22) 29.01.2024  
(54) NOVEL THERMOPLASTIC BALING STRAP

(71) Ecologically Friendly Flood Protection Limited  
(21) 2024200535 (22) 29.01.2024  
(54) Ecologically friendly flow regulator for culverts

(71) Edwards, B.  
(21) 2024200503 (22) 27.01.2024  
(54) Desk



Complete Applications Filed - Name Index cont'd

(71) Epizyme, Inc.  
(21) 2024200464 (22) 25.01.2024  
(54) AMINE-SUBSTITUTED ARYL OR HETEROARYL COMPOUNDS AS EHMT1 AND EHMT2 INHIBITORS

(71) fReal! Foods, LLC  
(21) 2024200472 (22) 25.01.2024  
(54) Modular blender with improved water heating and light beam detection

(71) Fasteners for Retail, Inc.  
(21) 2024200547 (22) 30.01.2024  
(54) Security Tag Housing

(71) Fisher & Paykel Healthcare Limited  
(21) 2024200467 (22) 25.01.2024  
(54) PATIENT SPECIFIC AUTO-FLOWRATE CONTROL

(71) Fisher & Paykel Healthcare Limited  
(21) 2024200494 (22) 26.01.2024  
(54) APPARATUS FOR PROVIDING A FLOW OF AIR TO A USER

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2024200492 (22) 26.01.2024  
(54) WATER OUT ALARM

(71) FOOTHILL SADDLEBACK PTY LTD  
(21) 2024200488 (22) 25.01.2024  
(54) Tissue Modifier and Uses Therefor

(71) Fulfil Solutions, Inc.  
(21) 2024200548 (22) 30.01.2024  
(54) Product handling and packaging system

(71) Fults, A.; Crider Jr., R.  
(21) 2024200524 (22) 29.01.2024  
(54) Livestock health monitoring system and method of use

(71) GE Energy Power Conversion Technology Limited  
(21) 2024200536 (22) 30.01.2024  
(54) HYBRID MODULAR MULTI-LEVEL CONVERTER (HMMC) AND MODULAR MULTI-LEVEL CONVERTER (MMC)

(71) GE Energy Power Conversion Technology Limited; Virginia Tech Intellectual Properties, Inc.  
(21) 2024200569 (22) 31.01.2024  
(54) POWER CONVERTER

(71) Global Blood Therapeutics, Inc.; The Regents of the University of California  
(21) 2024200515 (22) 29.01.2024  
(54) SUBSTITUTED BENZALDEHYDE COMPOUNDS AND METHODS FOR THEIR USE IN INCREASING TISSUE OXYGENATION

(71) Google LLC  
(21) 2024200550 (22) 30.01.2024  
(54) VERIFIED QUANTUM PHASE ESTIMATION

Havas, T.E. see Sideris, A.  
(21) 2024200519

(71) Heraeus Medical GmbH  
(21) 2024200434 (22) 24.01.2024  
(54) IMPLANT FOR THE SUSTAINED RELEASE OF AN ACTIVE INGREDIENT

(71) Honor Device Co., Ltd.  
(21) 2024200478 (22) 25.01.2024  
(54) CARD DISPLAY METHOD, ELECTRONIC DEVICE, AND COMPUTER READABLE STORAGE MEDIUM

(71) I911 International, Inc.  
(21) 2024200529 (22) 29.01.2024  
(54) SYSTEM FOR ACCURATE LOCATION ESTIMATION OF A WATER VESSEL

(71) Independint Pty Ltd  
(21) 2024200499 (22) 26.01.2024  
(54) A MODULAR, REQUIREMENTS-DRIVEN METHOD FOR PRODUCING INTELLIGENCE REPORTING USING LARGE LANGUAGE MODELS

(71) Inhibrx, Inc.  
(21) 2024200551 (22) 30.01.2024  
(54) Multivalent and multispecific OX40-binding fusion proteins

(71) Innovent Biologics (Suzhou) Co., Ltd.  
(21) 2024200493 (22) 26.01.2024  
(54) ANTI-IL-23p19 ANTIBODY AND USE THEREOF

(71) INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Sud; Université Paris Cité; Assistance Publique-Hôpitaux de Paris (APHP)  
(21) 2024200549 (22) 30.01.2024  
(54) Methods and compositions for treating cancers

(71) InterDigital VC Holdings, Inc.  
(21) 2024200480 (22) 25.01.2024  
(54) In-loop filter with multiple regions

(71) Itron, Inc.  
(21) 2024200442 (22) 24.01.2024  
(54) Load shedding in advanced metering infrastructure

(71) ITT Manufacturing Enterprises LLC  
(21) 2024200585 (22) 31.01.2024  
(54) Motor drive unit

(71) JUUL Labs, Inc.  
(21) 2024200483 (22) 25.01.2024  
(54) Control of an electronic vaporizer

(71) Katana Foundations Australia Pty Ltd  
(21) 2024200523 (22) 29.01.2024  
(54) FLOORING ADJUSTMENT SYSTEM

(71) Kerry Group Services International Limited  
(21) 2024200533 (22) 29.01.2024  
(54) Liquid Smoke Reaction Products

Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha  
(21) 2024200530

(71) Leica Biosystems Imaging, Inc.  
(21) 2024200522 (22) 29.01.2024  
(54) Real-time autofocus scanning

(71) LG Electronics Inc.  
(21) 2024200546 (22) 30.01.2024  
(54) Refrigerator

(71) LG Electronics Inc.  
(21) 2024200591 (22) 31.01.2024  
(54) DISPLAY DEVICE AND OPERATING METHOD THEREOF

(71) LG ELECTRONICS INC.  
(21) 2024200448 (22) 24.01.2024  
(54) LAUNDRY TREATING APPARATUS

(71) LINEAGE LOGISTICS, LLC  
(21) 2024200491 (22) 25.01.2024  
(54) GENERATING MAPPINGS OF PHYSICAL SPACES FROM POINT CLOUD DATA

(71) LINEAGE LOGISTICS, LLC  
(21) 2024200500 (22) 26.01.2024  
(54) POINT CLOUD FILTERING

(71) MAKO Surgical Corp.  
(21) 2024200545 (22) 30.01.2024  
(54) Systems and methods for robotic infection treatment of a prosthesis

Complete Applications Filed - Name Index cont'd

(71) Mallinckrodt Pharmaceuticals Ireland Limited (21) 2024200468 (22) 25.01.2024 (54) METHODS TO IMPROVE ORGAN VIABILITY	(71) Packsize LLC (21) 2024200458 (22) 24.01.2024 (54) Dynamic cart optimization system	(71) SanBio, Inc. (21) 2024200552 (22) 30.01.2024 (54) Methods and compositions for modulating angiogenesis and vasculogenesis
(71) Mayo Foundation for Medical Education and Research (21) 2024200539 (22) 30.01.2024 (54) ADENOVIRUSES AND METHODS FOR USING ADENOVIRUSES	(71) Pollard, R. (21) 2024200567 (22) 30.01.2024 (54) IMPROVED MOTORCYCLE LEG SUPPORT	(71) SERKO LIMITED (21) 2024200571 (22) 31.01.2024 (54) BOOKING SYSTEM FOR CREW MOVEMENTS
(71) MedicalTree Patent Ltd (21) 2024200485 (22) 25.01.2024 (54) Implantable medical device for lubrication of a synovial joint and method for implanting the device	(71) Regeneron Pharmaceuticals, Inc. (21) 2024200475 (22) 25.01.2024 (54) ASSEMBLY LINE WITH INTEGRATED ELECTRONIC VISUAL INSPECTION	(71) Shaw, T.; Retractable Technologies, Inc. (21) 2024200594 (22) 31.01.2024 (54) Dental safety syringe
(71) MedicalTree Patent Ltd (21) 2024200486 (22) 25.01.2024 (54) Heart Help Device, System, And Method	(71) Regeneron Pharmaceuticals, Inc. (21) 2024200482 (22) 25.01.2024 (54) Room temperature stable lyophilized protein	(71) Sideris, A.; Thomson, K.A.; Havas, T.E. (21) 2024200519 (22) 29.01.2024 (54) DRUG DELIVERY DEVICE
(71) Melville Equipment Corp. Pty Ltd (21) 2024200476 (22) 25.01.2024 (54) Gate Catch Assembly	(71) Regeneron Pharmaceuticals, Inc. (21) 2024200582 (22) 31.01.2024 (54) NON-HUMAN ANIMALS HAVING AN ENGINEERED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN LOCUS	(71) Strata Safety Products, LLC (21) 2024200517 (22) 29.01.2024 (54) Proximity detection system with approach zone
(71) Miles, S. (21) 2024200511 (22) 29.01.2024 (54) DRAWERS AND COMPONENTS FOR DRAWERS	<b>Retractable Technologies, Inc. see Shaw, T.</b> (21) 2024200594	(71) Taiwan Fu Hsing Industrial Co., Ltd. (21) 2024200518 (22) 29.01.2024 (54) Lockset
(71) Nanjing University (21) 2024200504 (22) 27.01.2024 (54) COLLABORATIVE OPTIMIZATION CONTROL METHOD OF ORGANIC NITROGEN AND INORGANIC NITROGEN IN DENITRIFICATION PROCESS	(71) Revolo Biotherapeutics Limited (21) 2024200489 (22) 25.01.2024 (54) Method for the treatment of a relapsing-remitting condition	(71) Takeda Pharmaceutical Company Limited (21) 2024200561 (22) 30.01.2024 (54) Metabolite biomarkers for diseases associated with the contact activation system
(71) NINGBO XULI METAL PRODUCTS CO., LTD. (21) 2024200451 (22) 24.01.2024 (54) Safety tensioning device for automobiles	(71) Rhythm Pharmaceuticals, Inc. (21) 2024200528 (22) 29.01.2024 (54) Peptide compositions	(71) Technische Universität München; Technische Universität München - Klinikum Rechts der Isar (21) 2024200440 (22) 24.01.2024 (54) Dual mode radiotracer and -therapeutics
(71) Opal Packaging Australia Pty Ltd (21) 2024200457 (22) 24.01.2024 (54) A PALLET	(71) Ribon Therapeutics Inc. (21) 2024200566 (22) 30.01.2024 (54) Pyridazinones as PARP7 inhibitors	<b>Technische Universität München - Klinikum Rechts der Isar see Technische Universität München</b> (21) 2024200440
(71) OXTI Pte Ltd (21) 2024200498 (22) 26.01.2024 (54) VIDEO CONFERENCE DEVICE	(71) Rijksuniversiteit Groningen (21) 2024200435 (22) 24.01.2024 (54) BIOLOGICAL NANOPORES FOR BIOPOLYMER SENSING AND SEQUENCING BASED ON FRAC ACTINOPORIN	(71) TenderX (21) 2024200459 (22) 25.01.2024 (54) TenderX is a cooking apparatus to tenderizing meat by holding it in place while cooking
(71) P.V. Flood Control Corp. (21) 2024200531 (22) 29.01.2024 (54) TUBE FOR PREVENTING WATER FROM ENTERING A BASIN	(71) Rijksuniversiteit Groningen (21) 2024200450 (22) 24.01.2024 (54) Biological nanopores for biopolymer sensing and sequencing based on FraC actinoporin	<b>The Brigham and Women's Hospital, Inc. see The General Hospital Corporation</b> (21) 2024200572
	(71) Romar Engineering Pty Ltd (21) 2024200487 (22) 25.01.2024 (54) Methods for producing microprojection arrays	

Complete Applications Filed - Name Index cont'd

(71) THE CHINESE UNIVERSITY OF HONG KONG  
 (21) 2024200565 (22) 30.01.2024  
 (54) A METHOD FOR REVERSING BODY-WIDE AGE-ASSOCIATED FUNCTIONAL CHANGES

(71) The General Hospital Corporation; The Brigham and Women's Hospital, Inc.  
 (21) 2024200572 (22) 31.01.2024  
 (54) Automated evaluation of quality assurance metrics for assisted reproduction procedures

(71) The Procter & Gamble Company  
 (21) 2024200508 (22) 29.01.2024  
 (54) KIT COMPRISING AN ELECTROMAGNETIC RADIATION SOURCE AND A SEMISOLID MULTI-PHASE ORAL COMPOSITION COMPRISING HYDROPHILIC BLEACHING AGENT PARTICLES

(71) The Raymond Corporation  
 (21) 2024200526 (22) 29.01.2024  
 (54) Connected wearable for machine to human communication

**The Regents of the University of California see Global Blood Therapeutics, Inc.**  
 (21) 2024200515

(71) The University of Melbourne  
 (21) 2024200521 (22) 29.01.2024  
 (54) Compounds for the treatment of respiratory diseases

**Thomson, K.A. see Sideris, A.**  
 (21) 2024200519

(71) Thule Sweden AB  
 (21) 2024200484 (22) 25.01.2024  
 (54) Load Platform Apparatuses and systems

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.  
 (21) 2024200530 (22) 29.01.2024  
 (54) Traveling control system

(71) TRACTO-TECHNIK GmbH & Co. KG  
 (21) 2024200449 (22) 24.01.2024  
 (54) TO BE ADVISED

(71) TREACE MEDICAL CONCEPTS, INC.  
 (21) 2024200490 (22) 25.01.2024  
 (54) Bone positioning guide

**TScan Therapeutics, Inc. see Dana-Farber Cancer Institute, Inc.**

(21) 2024200495

(71) TScan Therapeutics, Inc.  
 (21) 2024200496 (22) 26.01.2024  
 (54) BINDING PROTEINS RECOGNIZING HPV16 E7 ANTIGEN AND USES THEREOF

**Universität Bern see Debiotech S.A.**  
 (21) 2024200477

**Université Paris Cité see INSERM (Institut National de la Santé et de la Recherche Médicale)**  
 (21) 2024200549

**Université Paris-Sud see INSERM (Institut National de la Santé et de la Recherche Médicale)**  
 (21) 2024200549

(71) University of Southern California  
 (21) 2024200446 (22) 24.01.2024  
 (54) Synthetic immune receptors and methods of use thereof

(71) USNR, LLC  
 (21) 2024200556 (22) 30.01.2024  
 (54) Log and cant optimization

**Virginia Tech Intellectual Properties, Inc. see GE Energy Power Conversion Technology Limited**  
 (21) 2024200569

(71) W.L. Gore & Associates, Inc.  
 (21) 2024200445 (22) 24.01.2024  
 (54) CULTIVATION SYSTEMS FOR SEAWEEDS

(71) Wake Forest University Health Sciences  
 (21) 2024200462 (22) 25.01.2024  
 (54) Cancer modeling platforms and methods of using the same

(71) Werner Co.  
 (21) 2024200433 (22) 24.01.2024  
 (54) LADDER, COMPONENTS THEREOF, AND ACCESSORIES FOR USE THEREWITH

(71) Wix.com Ltd.  
 (21) 2024200588 (22) 31.01.2024  
 (54) Creation and update of hierarchical websites based on collected business knowledge

(71) Zendesk, Inc.  
 (21) 2024200520 (22) 29.01.2024  
 (54) Detecting a data cascade

Numerical Index

2024200433	Werner Co.	2024200504	Nanjing University
2024200434	Heraeus Medical GmbH	2024200505	Adobe Inc.
2024200435	Rijksuniversiteit Groningen	2024200506	Adobe Inc.
2024200440	Technische Universität München; Technische Universität München - Klinikum Rechts der Isar	2024200507	Dominello, S.
2024200442	Itron, Inc.	2024200508	The Procter & Gamble Company
2024200443	Alector LLC	2024200509	CHASM Advanced Materials, Inc.
2024200444	Brown, D.	2024200510	D R Baling Wire Manufacturers Limi
2024200445	W.L. Gore & Associates, Inc.	2024200511	Miles, S.
2024200446	University of Southern California	2024200512	Dana-Farber Cancer Institute, Inc.
2024200447	Capital One Services, LLC	2024200513	Adobe Inc.
2024200448	LG ELECTRONICS INC.	2024200514	Ciappa, M.B.
2024200449	TRACTO-TECHNIK GmbH & Co. KG	2024200515	Global Blood Therapeutics, Inc.; The Regents of the University of California
2024200450	Rijksuniversiteit Groningen	2024200516	Adobe Inc.
2024200451	NINGBO XULI METAL PRODUCTS CO., LTD.	2024200517	Strata Safety Products, LLC
2024200452	Chevron U.S.A. Inc.	2024200518	Taiwan Fu Hsing Industrial Co., Ltd.
2024200453	Derrick Corporation	2024200519	Sideris, A.; Thomson, K.A.; Havas, T.E.
2024200454	Boston Scientific Scimed, Inc.	2024200520	Zendesk, Inc.
2024200455	Breville Pty Limited	2024200521	The University of Melbourne
2024200456	AdvanSix Resins & Chemicals LLC	2024200522	Leica Biosystems Imaging, Inc.
2024200457	Opal Packaging Australia Pty Ltd	2024200523	Katana Foundations Australia Pty Ltd
2024200458	Packsize LLC	2024200524	Fults, A.; Crider Jr., R.
2024200459	TenderX	2024200525	Capital One Services, LLC
2024200460	Apple Inc.	2024200526	The Raymond Corporation
2024200461	DJO Global, Inc.	2024200527	Caterpillar Underground Mining Pty Ltd
2024200462	Wake Forest University Health Sciences	2024200528	Rhythm Pharmaceuticals, Inc.
2024200463	Becton, Dickinson and Company	2024200529	I911 International, Inc.
2024200464	Epizyme, Inc.	2024200530	Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
2024200465	Amryt Endo, Inc.	2024200531	P.V. Flood Control Corp.
2024200466	3Spine, Inc.	2024200532	BNSF Railway Company
2024200467	Fisher & Paykel Healthcare Limited	2024200533	Kerry Group Services International Limited
2024200468	Mallinckrodt Pharmaceuticals Ireland Limited	2024200534	Amgen Inc.
2024200469	Abiomed, Inc.	2024200535	Ecologically Friendly Flood Protection Limited
2024200470	CFPH, LLC	2024200536	GE Energy Power Conversion Technology Limited
2024200471	Applied Medical Resources Corporation	2024200537	Applied Therapeutics Inc.
2024200472	fReal! Foods, LLC	2024200538	AF Water Systems Equipment Co., Ltd.
2024200473	Boston Scientific Scimed, Inc.	2024200539	Mayo Foundation for Medical Education and Research
2024200474	Cripps Clark, J.; Cripps Clark, J.	2024200540	CFPH, LLC
2024200475	Regeneron Pharmaceuticals, Inc.	2024200541	CareFusion 303, Inc.
2024200476	Melville Equipment Corp. Pty Ltd	2024200542	CareFusion Corporation
2024200477	Debiotech S.A.; Universität Bern	2024200543	AgJunction LLC
2024200478	Honor Device Co., Ltd.	2024200544	Apple Inc.
2024200479	Applied Research Associates, Inc.	2024200545	MAKO Surgical Corp.
2024200480	InterDigital VC Holdings, Inc.	2024200546	LG Electronics Inc.
2024200481	AdvanSix Resins & Chemicals LLC	2024200547	Fasteners for Retail, Inc.
2024200482	Regeneron Pharmaceuticals, Inc.	2024200548	Fulfil Solutions, Inc.
2024200483	JUUL Labs, Inc.	2024200549	INSERM (Institut National de la Santé et de la Recherche Médicale); Université Paris-Sud; Université Paris Cité; Assistance Publique-Hôpitaux de Paris (APHP)
2024200484	Thule Sweden AB	2024200550	Google LLC
2024200485	MedicalTree Patent Ltd	2024200551	Inhibrx, Inc.
2024200486	MedicalTree Patent Ltd	2024200552	SanBio, Inc.
2024200487	Romar Engineering Pty Ltd	2024200553	Ablynx N.V.
2024200488	FOOTHILL SADDLEBACK PTY LTD	2024200554	Chadra Laboratories LLC
2024200489	Revalo Biotherapeutics Limited	2024200555	AEON BioPharma, Inc.
2024200490	TREACE MEDICAL CONCEPTS, INC.	2024200556	USNR, LLC
2024200491	LINEAGE LOGISTICS, LLC	2024200557	Angel Group Co., Ltd.
2024200492	FISHER & PAYKEL HEALTHCARE LIMITED	2024200558	Capital One Services, LLC
2024200493	Innovent Biologics (Suzhou) Co., Ltd.	2024200559	Catalog Technologies, Inc.
2024200494	Fisher & Paykel Healthcare Limited	2024200560	Dana-Farber Cancer Institute, Inc.
2024200495	Dana-Farber Cancer Institute, Inc.; TScan Therapeutics, Inc.	2024200561	Takeda Pharmaceutical Company Limited
2024200496	TScan Therapeutics, Inc.	2024200562	Canon Kabushiki Kaisha
2024200497	Cartwright, N.	2024200563	Apple Inc.
2024200498	OXTI Pte Ltd	2024200564	Bucceri, A.; Bucceri Holdings Pty Ltd
2024200499	Independint Pty Ltd	2024200565	THE CHINESE UNIVERSITY OF HONG KONG
2024200500	LINEAGE LOGISTICS, LLC	2024200566	Ribon Therapeutics Inc.
2024200501	Chen, C.	2024200567	Pollard, R.
2024200502	Celerium Inc.	2024200568	Angel Group Co., Ltd.
2024200503	Edwards, B.		

**Complete Applications Filed - Numerical Index cont'd**

**2024200569** GE Energy Power Conversion Technology Limited; Virginia Tech Intellectual Properties, Inc.  
**2024200570** Daniel S. O'Toole  
**2024200571** SERKO LIMITED  
**2024200572** The General Hospital Corporation; The Brigham and Women's Hospital, Inc.  
**2024200573** AgriMetis, LLC  
**2024200582** Regeneron Pharmaceuticals, Inc.  
**2024200585** ITT Manufacturing Enterprises LLC  
**2024200588** Wix.com Ltd.  
**2024200591** LG Electronics Inc.  
**2024200594** Shaw, T.; Retractable Technologies, Inc.

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

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

The codes next to each number have the following meanings:

**Code Meaning**

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

**2002**

2002364437 ( 14 )

**2004**

2004200153 ( 14 )    2004200185 ( 14 )    2004200204 ( 14 )  
 2004200206 ( 14 )    2004200216 ( 14 )    2004200220 ( 14 )  
 2004200221 ( 14 )    2004200255 ( 14 )    2004203171 ( 14 )  
 2004203383 ( 14 )    2004204399 ( 14 )    2004205418 ( 14 )  
 2004205511 ( 14 )    2004205774 ( 14 )    2004205802 ( 14 )  
 2004205892 ( 14 )    2004205901 ( 14 )    2004205902 ( 14 )  
 2004205940 ( 14 )    2004205987 ( 14 )    2004206035 ( 14 )  
 2004206036 ( 14 )    2004206046 ( 14 )    2004206069 ( 14 )  
 2004206246 ( 14 )    2004206255 ( 14 )    2004206560 ( 14 )  
 2004206731 ( 14 )    2004206765 ( 14 )    2004207495 ( 14 )  
 2004207498 ( 14 )    2004207500 ( 14 )    2004207504 ( 14 )  
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 2004208588 ( 14 )    2004210212 ( 14 )    2004210213 ( 14 )  
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 2004238186 ( 14 )    2004239607 ( 14 )    2004241928 ( 14 )

2004256470 ( 14 )    2004257843 ( 14 )    2004258192 ( 14 )  
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 2004268441 ( 14 )    2004294805 ( 14 )    2004298276 ( 14 )

**2005**

2005203022 ( 14 )    2005203037 ( 14 )    2005209627 ( 14 )  
 2005262289 ( 14 )    2005262955 ( 14 )    2005262956 ( 14 )  
 2005263039 ( 14 )    2005263550 ( 14 )    2005271753 ( 14 )  
 2005274927 ( 14 )    2005275094 ( 14 )    2005298346 ( 14 )  
 2005334251 ( 14 )

**2006**

2006203002 ( 14 )    2006267188 ( 14 )    2006269807 ( 14 )  
 2006270130 ( 14 )    2006270317 ( 14 )    2006270543 ( 14 )  
 2006271763 ( 14 )    2006274945 ( 14 )    2006288011 ( 14 )  
 2006301901 ( 14 )

**2007**

2007200090 ( 14 )    2007202693 ( 14 )    2007203246 ( 14 )  
 2007272252 ( 14 )    2007272427 ( 14 )    2007272956 ( 14 )  
 2007272957 ( 14 )    2007272981 ( 14 )    2007272986 ( 14 )  
 2007273316 ( 14 )    2007274056 ( 14 )    2007274213 ( 14 )  
 2007274270 ( 14 )    2007275410 ( 14 )    2007276564 ( 14 )  
 2007278715 ( 14 )    2007290935 ( 14 )

**2008**

2008203046 ( 14 )    2008203256 ( 14 )    2008203538 ( 14 )  
 2008274494 ( 14 )    2008275852 ( 14 )    2008276101 ( 14 )  
 2008276119 ( 14 )    2008277495 ( 14 )    2008285555 ( 14 )  
 2008285556 ( 14 )    2008285559 ( 14 )    2008290466 ( 14 )  
 2008359040 ( 14 )

**2009**

2009201713 ( 14 )    2009202812 ( 14 )    2009267707 ( 14 )  
 2009268440 ( 14 )    2009269812 ( 14 )    2009270771 ( 14 )  
 2009271047 ( 14 )    2009272515 ( 14 )    2009273052 ( 14 )  
 2009273392 ( 14 )    2009275490 ( 14 )    2009290165 ( 14 )  
 2009349683 ( 14 )

**2010**

2010200408 ( 14 )    2010202947 ( 14 )    2010202952 ( 14 )  
 2010269153 ( 14 )    2010269202 ( 14 )    2010272054 ( 14 )  
 2010273277 ( 14 )    2010273439 ( 14 )    2010273570 ( 14 )  
 2010274137 ( 14 )    2010286316 ( 14 )    2010345325 ( 14 )  
 2010357294 ( 14 )

**2011**

2011201263 ( 14 )    2011203497 ( 14 )    2011203522 ( 14 )  
 2011204422 ( 14 )    2011223983 ( 14 )    2011224125 ( 14 )  
 2011236014 ( 14 )    2011277426 ( 14 )    2011277505 ( 14 )  
 2011278201 ( 14 )    2011278268 ( 14 )    2011278279 ( 14 )  
 2011278290 ( 14 )    2011279050 ( 14 )    2011279202 ( 14 )  
 2011279242 ( 14 )    2011279567 ( 14 )    2011279915 ( 14 )  
 2011355199 ( 14 )

**2012**

2012202953 ( 14 )    2012204093 ( 14 )    2012204121 ( 14 )  
 2012213963 ( 14 )    2012261572 ( 14 )    2012281945 ( 14 )  
 2012282316 ( 14 )    2012282445 ( 14 )    2012282506 ( 14 )  
 2012283711 ( 14 )    2012284358 ( 14 )    2012284875 ( 14 )  
 2012285264 ( 14 )    2012286222 ( 14 )    2012287307 ( 14 )  
 2012368602 ( 14 )

**2013**

2013207664 ( 14 )    2013219245 ( 14 )    2013288600 ( 14 )  
 2013289819 ( 14 )    2013289820 ( 14 )    2013289883 ( 14 )  
 2013290102 ( 14 )    2013290532 ( 14 )    2013301865 ( 14 )  
 2013301870 ( 14 )    2013394077 ( 14 )    2013394373 ( 14 )

**2014**

2014203778 ( 14 )    2014203837 ( 14 )    2014203843 ( 14 )  
 2014204418 ( 14 )    2014204456 ( 14 )    2014287029 ( 14 )



2021104235 ( 22E ) 2021104236 ( 22E ) 2021104237 ( 22E )  
 2021104239 ( 22E ) 2021104240 ( 22E ) 2021104241 ( 22E )  
 2021104242 ( 22E ) 2021104243 ( 22E ) 2021104248 ( 22E )  
 2021104250 ( 22E ) 2021104252 ( 22E ) 2021104255 ( 22E )  
 2021104257 ( 22E ) 2021104258 ( 22E ) 2021104260 ( 22E )  
 2021104261 ( 22E ) 2021104262 ( 22E ) 2021107203 ( 21F )  
 2021107537 ( 22 ) 2021204000 ( 5C ) 2021204506 ( 5C )  
 2021212164 ( 5C ) 2021232842 ( 4C ) 2021240200 ( 4C )  
 2021257951 ( 5C ) 2021257970 ( 5C ) 2021261849 ( 5C )  
 2021266217 ( 5C ) 2021266268 ( 5C ) 2021266357 ( 5C )  
 2021269365 ( 5C ) 2021269413 ( 5C ) 2021277691 ( 5C )  
 2021286347 ( 5C ) 2021286353 ( 4C ) 2021286816 ( 5C )  
 2021290330 ( 4C )

**2022**

2022200135 ( 5C ) 2022200191 ( 5C ) 2022200239 ( 5C )  
 2022200837 ( 5C ) 2022201210 ( 5C ) 2022201243 ( 5C )  
 2022221561 ( 4C ) 2022231669 ( 12AN ) 2022235566 ( 5C )  
 2022241508 ( 5C ) 2022257242 ( 5C ) 2022268387 ( 4C )  
 2022271481 ( 5CN ) 2022275496 ( 5C )

**2023**

2023202513 ( 4C ) 2023263439 ( 1B ) 2023263451 ( 1B )  
 2023263476 ( 1B ) 2023266320 ( 7AN ) 2023270245 ( 7AN )

**Assignments before Grant, Section 113**

**2018**

2018244291 Nanosys, Inc. The application has been assigned to **Shoei Chemical Inc.**

2018278893 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2018278897 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2018278898 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2018278908 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

**2019**

2019203401 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2019222705 Viela Bio, Inc. The application has been assigned to **Horizon Therapeutics Ireland DAC**

2019294474 Amplyx Pharmaceuticals, Inc. The application has been assigned to **Basilea Pharmaceutica International AG, Allschwil**

2019301510 Boehringer Ingelheim Animal Health USA Inc.;  
 Boehringer Ingelheim Pharma GmbH & Co. KG The application has been assigned to **Boehringer Ingelheim Vetmedica GmbH; Boehringer Ingelheim Pharma GmbH & Co. KG**

2019320546 European Molecular Biology Laboratory The application has been assigned to **Konstantinidis, Dimitrios; Patil, Kiran; Kim, Yongkyu; Pereira, Filipa**

2019328599 Amplyx Pharmaceuticals, Inc. The application has been assigned to **Basilea Pharmaceutica International AG, Allschwil**

**Assignments before Grant, Section 113**

2019349682 University of Maryland, Baltimore; University Of Maryland Medical Center, LLC The application has been assigned to **UNIVERSITY OF MARYLAND MEDICAL SYSTEM CORPORATION; University of Maryland, Baltimore**

2019360941 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2019389025 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

**2020**

2020200778 Saurin Enterprises Pty Ltd The application has been assigned to **Aggarwal, Rakesh; Aggarwal, Saurabh**

2020201210 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2020212001 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2020234344 Sumitomo Chemical Company, Limited; Sumitomo Pharma Co., Ltd.; Riken The application has been assigned to **Sumitomo Pharma Co., Ltd.; Sumitomo Pharma Co., Ltd.; Riken; Riken**

2020260894 Riken; Sumitomo Chemical Company, Limited; Sumitomo Pharma Co., Ltd. The application has been assigned to **Sumitomo Pharma Co., Ltd.; Riken; Sumitomo Pharma Co., Ltd.; Riken**

2020261348 McCormick, Craig; Gallagher, Bobby; Reynolds, Scott; Pelley, Darrel The application has been assigned to **TRANSOCEAN SEDCO FOREX VENTURES LIMITED**

2020289731 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

**2021**

2021202084 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2021223787 Origimm Biotechnology GmbH The application has been assigned to **Sanofi Foreign Participations BV**

2021225251 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2021227416 Supergrip (UK) Ltd The application has been assigned to **Nylacast Engineered Products Limited**

2021230529 Amplyx Pharmaceuticals, Inc. The application has been assigned to **Basilea Pharmaceutica International AG, Allschwil**

2021278889 Boehringer Ingelheim Pharma GmbH & Co. KG; Boehringer Ingelheim Animal Health USA Inc. The application has been assigned to **Boehringer Ingelheim Vetmedica GmbH; Boehringer Ingelheim Pharma GmbH & Co. KG**

2021293911 Amplyx Pharmaceuticals, Inc. The application has been assigned to **Basilea Pharmaceutica International AG, Allschwil**



**Assignments before Grant, Section 113**

**2022**

2022200992 HeartSine Technologies Limited The application has been assigned to **Stryker European Operations Limited**

2022256121 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2022279375 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2022288926 ENTHEOGENIX BIOSCIENCES, INC. The application has been assigned to **Atai Therapeutics Inc.**

2022303453 THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE The application has been assigned to **CAMBRIDGE ENTERPRISE LIMITED**

**2023**

2023237060 Nimbus Lakshmi, Inc. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2023902386 CATTO, Warwick; LEATHWICK, David; BEKELAAR, Kiliana; MACKAY, Alec The application has been assigned to **AGRE-SEARCH LIMITED**

2023903845 Te Pari Products Limited; Buckley, Paul The application has been assigned to **Te Pari Products Limited**

**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.

**2007**

2007262668 **Oz Shelving Systems Pty Ltd** An application to extend the time from 22 Jun 2023 to 22 Jan 2024 in which to pay a renewal fee has been filed . Address for service - OZ SHELVING SYSTEMS PTY LIMITED 3471 Ipswich Road Wacol QLD 4076 AU

**2018**

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

**2019**

2019288929 **Hofseth BioCare ASA** An application to extend the time from 17 Jun 2023 to 17 Jan 2024 in which to pay a renewal fee has been filed . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2021**

2021106986 **Corex Plastics (Australia) Pty Ltd** An application to extend the time from 27 Apr 2023 to 27 Nov 2023 in which to pay a renew-

**Extensions of Time, Section 223**

al fee has been filed . Address for service - Corex Plastics (Australia) Pty Ltd 261 Frankston-Dandenong Rd Dandenong South VIC 3175 AU

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

**2014**

2014204319 **Flowpro Well Technology AS** The time in which to pay a renewal fee has been extended to 07 Nov 2023 . Address for service - Stellar Law Pty Ltd Level 5 115 Pitt Street Sydney NSW 2000 AU

**2019**

2019427501 **Crown Equipment Corporation** The time in which to request examination has been extended to 07 Feb 2024 . Address for service - BOSH IP Pty Ltd PO Box 24035 Melbourne VIC 3001 AU

**2021**

2021100406 **The Clear Co** The time in which to pay a renewal fee has been extended to 22 Oct 2023 . Address for service - The Clear Co PO Box 553 Dunsborough WA 6281 AU

**2023**

2023241383 **Diehl Defence GmbH & Co. KG** The time in which to claim the convention priority date has been extended to 04 Nov 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2024**

2024200385 **Cripps Clark, J.** The time in which to associate with a complete application has been extended to 16 Feb 2024 . Address for service - Julianne Mary Cripps Clark Kearsley Rd Kearsley NSW 2325 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.

**2013**

2013323861 Anti-androgens for the treatment of non-metastatic castrate-resistant prostate cancer **Aragon Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019377278 Anchorage-independent cells and use thereof **Yisum Research Development Company of the Hebrew University of Jerusalem Ltd.** The nature of the amendment is as shown in the

**Amendments**

statement(s) filed 16 Nov 2023 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2020**

2020337996 Analyte sensors and sensing methods for the detection of alcohol **Abbott Diabetes Care Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Jan 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2020379796 Tricyclic dihydroimidazopyrimidone derivative, preparation method therefor, pharmaceutical composition and use thereof **Shanghai SIMR Biotechnology Co., Ltd ; Shanghai SIMRD Biotechnology Co., Ltd** The nature of the amendment is as shown in the statement(s) filed 24 Jan 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2020444017 System and device for treating tissue **Boston Scientific Scimed, Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Jan 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021229663 Diagnosis of medical conditions using voice recordings and auscultation **Cordio Medical Ltd.** The nature of the amendment is as shown in the statement(s) filed 12 Jan 2024 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2021231074 Class II, type V CRISPR systems **Metagenomi, Inc.** The nature of the amendment is as shown in the statement(s) filed 19 Dec 2023 . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

**2022**

2022261717 USER INTERFACES FOR MANAGING VISUAL CONTENT IN MEDIA **APPLE INC.** The nature of the amendment is as shown in the statement(s) filed 23 Jan 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**Amendments Made**

**2016**

2016426598 **Neurim Pharmaceuticals Ltd.** The nature of the amendment is as shown in the statement(s) filed 04 Oct 2023

**2017**

2017345665 **Sea Control Holdings Ltd.** The nature of the amendment is as shown in the statement(s) filed 30 Oct 2023

**2018**

2018226884 **Exuma Biotech, Corp.** The nature of the amendment is: Amend the name of the inventor to read Frost, Gregory Ian; Onuffer, James Joseph; Guibinga, Ghiabe H.; Haerizadeh, Farzad and Kundu, Anirban

2018241156 **CureVac SE** The nature of the amendment is as shown in the statement(s) filed 26 Sep 2023

**Amendments**

**2019**

2019278527 **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 09 Oct 2023

**2020**

2020261348 **TRANSOCEAN SEDCO FOREX VENTURES LIMITED** The nature of the amendment is: Delete inventor GALLAGHER, Bobby

2020272117 **ROSEN IP AG** The nature of the amendment is as shown in the statement(s) filed 20 Oct 2023

2020314717 **Firestone Industrial Products Company, LLC** The nature of the amendment is as shown in the statement(s) filed 31 Oct 2023

2020391605 **ARRIS Enterprises LLC** The nature of the amendment is as shown in the statement(s) filed 12 Jan 2024

**2021**

2021202677 **llumina, Inc.** The nature of the amendment is: Amend the name of the inventor to read SHEN, Min-Jui Richard; BOUTELL, Jonathan Mark; STEPHENS, Kathryn M; RONAGHI, Mostafa; GUNDERSON, Kevin L; BOWEN, M. Shane; VIJAYAN, Kandaswamy and VENKATESAN, Bala Murali

2021206097 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read INFORMATION INDICATION METHOD AND COMMUNICATIONS APPARATUS

2021241676 **Flexcon Company, Inc.** The nature of the amendment is: Amend the name of the inventor to read SKOV, Richard; BURNHAM, Kenneth; MARIUCCI, Patrice; FITZGERALD, Pamela; CASEY, James and PENNACE, John

2021261977 **Mechanical System Dynamics Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Prem, Hans and Mai, Kinh-Luan Viet

2021306683 **BAE Systems PLC** The nature of the amendment is: Amend the name of the inventor to read SADLER, Andrew; PHIZACKLEA, Alan; ROBINSON, Anthony Craig; SPAIN, James William and RAWLINSON, Adam William

2021314917 **Sartorius BIA Separations D.O.O** The nature of the amendment is as shown in the statement(s) filed 31 Oct 2023

2021350182 **TAE TECHNOLOGIES, INC.** The nature of the amendment is: Amend the name of the inventor to read FASCHING, Rainer; LOVENESS, Ghryn; SLEPCHENKOV, Mikhail and NADERI, Roozbeh

2021451307 **SHANGHAI SINOBAY BIOTECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read ANTIBODY TARGETING AXL PROTEIN AND ANTIGEN BINDING FRAGMENT THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF

**2022**

2022272922 **THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE** The nature of the amendment is:

**Amendments**

Amend the invention title to read HLA engineering methods and compositions for treatment of autoimmunity

2022284373 **BOEHRINGER INGELHEIM INTERNATIONAL GMBH; OSE IMMUNOTHERAPEUTICS SA** The nature of the amendment is as shown in the statement(s) filed 22 Dec 2023

2022302859 **123LASH PTE LIMITED** The nature of the amendment is: Amend the name of the inventor to read BEAN, David Robin

2022308616 **SCHNEIDER ELECTRIC INDUSTRIES SAS** The nature of the amendment is: Amend the invention title to read Indicator device, method and mobile terminal for the optical output of an internal operating state of an electric device

2022310161 **AUXILIUS PHARMA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA** The nature of the amendment is: Amend the name of the inventor to read VAN DEN HEUVEL, Denny Johan Marin; PLATTEEUW, Johannes Jan; TIGÖR, Uwe and CHABOWSKI, Dawid Sebastian

2022312311 **NOILE-IMMUNE BIOTECH INC.** The nature of the amendment is: Amend the invention title to read Anti-EGFRviii antibody, polypeptide, cell capable of expressing said polypeptide, pharmaceutical composition comprising said cell, method for producing said cell, and polynucleotide or vector comprising nucleotide sequence encoding said polypeptide

2022318979 **KIRIN HOLDINGS KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read LACTIC ACID BACTERIUM-CONTAINING BEVERAGE AND METHOD FOR PRODUCING SAME

2022326951 **ISHIHARA SANGYO KAISHA, LTD.** The nature of the amendment is: Amend the invention title to read Method for preventing deformation of resin-made agrochemical container

2022327463 **NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG** The nature of the amendment is: Amend the invention title to read APPARATUS AND METHOD FOR DETACHING MEAT STRIPS LOCATED ON A BRESTBONE CREST OF A POULTRY CARCASS

2022331659 **QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.** The nature of the amendment is: Amend the invention title to read 3-Isoxazolidinone Compound, Preparation Method, Herbicidal Composition And Application Thereof

**2023**

2023263504 **Deere & Company** The nature of the amendment is: Amend the invention title to read Agricultural machine control based on corrected or localized data sample values

2023282284 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Lynch, Kevin; Dye, Alan C.; Chao, Edward; McFetridge, Geoff Boyd; Lee, Eileen Y.; Connor, Teofila; Forssell, Lisa K.; Barlier, Guillaume Pierre André; Romney, Christopher James; Rickwald, Jason; Gardner, JD; Scapel, Nicolas; Page, Pani; Wilson, Christopher; Chen, Kevin Will and Guzman, Aurelio

**Amendments**

**2024**

2024200003 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to add divisional 2022201926 and 2022203235

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

**2005**

2005272655 salesforce.com, inc. The name of the patentee has been altered to **Salesforce, Inc.**

**2009**

2009257951 Dreco Energy Services Ltd. The name of the patentee has been altered to **Dreco Energy Services ULC**

**2011**

2011213874 salesforce.com, inc. The name of the patentee has been altered to **Salesforce, Inc.**

2011213875 salesforce.com, inc. The name of the patentee has been altered to **Salesforce, Inc.**

2011213882 salesforce.com, inc. The name of the patentee has been altered to **Salesforce, Inc.**

**2015**

2015255267 Dreco Energy Services Ltd. The name of the patentee has been altered to **Dreco Energy Services ULC**

**2017**

2017315380 GlaxoSmithKline Consumer Healthcare Holdings (US) LLC The name of the patentee has been altered to **HALEON US IP LLC**

2017355417 CMS Technology, Inc The name of the patentee has been altered to **CMS Technology, LLC**

**2018**

2018423493 Cellular Biomedicine Group, Inc. The name of the applicant has been altered to **AbelZeta Inc.**

**2019**

2019241300 Cellular Biomedicine Group, Inc. The name of the applicant has been altered to **AbelZeta Inc.**

2019339870 Green Cross Lab Cell Corporation; MorphoSys AG The name of the applicant has been altered to **GC CELL CORPORATION; MorphoSys AG**

2019345040 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

**2020**

2020201702 CMS Technology, Inc The name of the patentee has been altered to **CMS Technology, LLC**

## Amendments

2020227613 Aquammodate AB The name of the applicant has been altered to **Retain AB**

2020286121 Taisei Kako Co., Ltd.; KORTUC Inc. The name of the applicant has been altered to **Kortuc Japan LLC; Taisei Kako Co., Ltd.**

2020381702 Beijing Yishi Biotech Co., Ltd. The name of the applicant has been altered to **Beijing Yishi Biotech Co., Ltd.**

2020383878 Beijing Yishi Biotech Co., Ltd. The name of the applicant has been altered to **Beijing Yishi Biotech Co., Ltd.**

### 2022

2022200665 CIRCOSTA, Michael; CAMPOLI, Nino The name of the applicant has been altered to **CIRCOSTA, M.; CAMPOLI, N.; PRIZZI, G.**

2022218512 BASF; ExxonMobil Research and Engineering Company The name of the applicant has been altered to **BASF; Exxon-Mobil Technology and Engineering Company**

### 2023

2023214371 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2023216803 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2023251559 CMS Technology, Inc The name of the applicant has been altered to **CMS Technology, LLC**

Applications Open to Public Inspection

Name Index

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

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(71) Ablynx NV  
 (11) AU-A-2024200309  
 (21) 2024200309 (22) 17.01.2024  
 (54) Techniques for predicting, detecting and reducing aspecific protein interference in assays involving immunoglobulin single variable domains  
 (51) Int. Cl.  
*C07K 16/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/42* ( 2006.01 )  
*G01N 33/00* ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2021201506  
 (72) BAUMEISTER, Judith; BOUCHE, Marie-Paule Lucienne Armanda; BOUTTON, Carlo; BUYSE, Marie-Ange; SNOECK, Veerle; STAELENS, Stephanie  
 (74) Spruson & Ferguson

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(71) Adobe Inc.  
 (11) AU-A-2023203145  
 (21) 2023203145 (22) 19.05.2023  
 (54) SYSTEMS AND METHODS FOR FACIAL IMAGE GENERATION  
 (51) Int. Cl.  
*G06T 9/00* ( 2006.01 )  
*G06N 3/02* ( 2006.01 )  
*G06V 10/82* ( 2022.01 )  
*G06V 40/16* ( 2022.01 )  
 (31) 17/813,987 (32) 21.07.22 (33) US  
 (43) 08.02.2024  
 (72) Lin, Wei-An; Ghadar, Shabnam; Motiian, Saeid  
 (74) RnB IP Pty Ltd

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2024200413  
 (21) 2024200413 (22) 23.01.2024  
 (54) METHOD AND APPARATUS FOR MONITORING OPERATIONAL CHARACTERISTICS OF AN INDUSTRIAL GAS PLANT COMPLEX  
 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
 (43) 08.02.2024  
 (62) 2022201354  
 (72) Mehta, Sanjay; Misra, Pratik  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Aizoon S.r.l.  
 (11) AU-A-2023208071  
 (21) 2023208071 (22) 24.07.2023  
 (54) METHOD FOR PROVIDING A CLINICAL DECISION SUPPORT, CORRESPONDING SYSTEM FOR PROVIDING A CLINICAL DECISION SUP-

PORT, AND COMPUTER PROGRAM PRODUCT  
 (51) Int. Cl.  
*G16H 50/70* ( 2018.01 )  
*G06F 18/2411* ( 2023.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06N 20/10* ( 2019.01 )  
*G16H 10/00* ( 2018.01 )  
 (31) 102022000015624 (32) 25.07.22 (33) IT  
 (43) 08.02.2024  
 (72) Manganaro, Lorenzo; Sabbatini, Gianmarco; Bianco, Selene; Cipollini, Francesca; Colombi, Davide; Vattakunnel, Shaji; Falco, Paolo  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) ALLEN, B.  
 (11) AU-A-2023203127  
 (21) 2023203127 (22) 18.05.2023  
 (54) A NAPPY APPLICATOR  
 (51) Int. Cl.  
*A61F 13/56* ( 2006.01 )  
*A61F 13/62* ( 2006.01 )  
 (31) 2022902053 (32) 22.07.22 (33) AU  
 (43) 08.02.2024  
 (72) ALLEN, Brendan  
 (74) Adams Pluck

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(71) AMOURIS, K.  
 (11) AU-A-2024200354  
 (21) 2024200354 (22) 19.01.2024  
 (54) SYSTEM AND METHOD FOR CONSUMER-BASED STORING, RETRIEVING AND TRANSMITTING OF PROMOTIONAL CONTENT TO OTHER CONSUMERS  
 (51) Int. Cl.  
*G06Q 30/02* ( 2023.01 )  
 (43) 08.02.2024  
 (62) 2022200392  
 (72) AMOURIS, KONSTANTINOS  
 (74) KONSTANTINOS AMOURIS

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(71) Apple Inc.  
 (11) AU-A-2024200347  
 (21) 2024200347 (22) 18.01.2024  
 (54) Content-based tactile outputs  
 (51) Int. Cl.  
*G06F 3/01* ( 2006.01 )  
*G06F 3/0362* ( 2013.01 )  
*G06F 3/0484* ( 2022.01 )  
*G06F 3/0485* ( 2022.01 )  
*G06F 3/0488* ( 2022.01 )  
 (43) 08.02.2024  
 (62) 2022235609  
 (72) Moussette, Camille; Bloom, David H.; Butcher, Gary Ian; Edwards, Dylan Ross; Fennis, Jules K.; Gleeson, Brian

T.; He, Miao; Sundstrom, Matthew J.; Dye, Alan C.; Triverio, Marco  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2024200357  
 (21) 2024200357 (22) 19.01.2024  
 (54) Devices, methods, and graphical user interfaces for wireless pairing with peripheral devices and displaying status information concerning the peripheral devices  
 (51) Int. Cl.  
*H04M 1/60* ( 2006.01 )  
*G06F 3/0484* ( 2022.01 )  
 (43) 08.02.2024  
 (62) 2021290349  
 (72) BEHZADI, Arian; STACK, Caelan G.; CHAUDHRI, Imran; COFFMAN, Patrick L.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2024200364  
 (21) 2024200364 (22) 19.01.2024  
 (54) Chroma quantization in video coding  
 (51) Int. Cl.  
*H04N 19/124* ( 2014.01 )  
 (43) 08.02.2024  
 (62) 2023202567  
 (72) Tourapis, Alexandros; Cote, Guy  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Arbutus Biopharma Corporation  
 (11) AU-A-2024200392  
 (21) 2024200392 (22) 22.01.2024  
 (54) Compositions and methods for delivering messenger RNA  
 (51) Int. Cl.  
*C12N 15/11* ( 2006.01 )  
*A61K 8/14* ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2017286980  
 (72) Abrams, Michael J.; Heyes, James; Judge, Adam; Lam, Kieu Mong; Palmer, Lorne Ralph; Reid, Stephen P.; Yaworski, Edward D.  
 (74) Davies Collison Cave Pty Ltd

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2023206115  
 (21) 2023206115 (22) 18.07.2023  
 (54) GAMING DEVICE WITH A USB INTERFACE FOR DELIVERING POWER AND DATA TO VIDEO DISPLAY MODULES  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*G06F 1/26* ( 2006.01 )  
*G06F 13/38* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

- (31) 18/353,816 (32) 17.07.23 (33) US 63/390,809 20.07.22 US
- (43) 08.02.2024
- (72) SHAFFER, Jr., Stephen; RODRIGUEZ, Frank; JADEJA, Rajendrasinh; GONG, Xiaoqiang
- (74) James & Wells Intellectual Property
- 
- (71) Aristocrat Technologies Australia Pty Limited
- (11) AU-A-2024200346
- (21) 2024200346 (22) 18.01.2024
- (54) A METHOD OF OPERATING A GAMING MACHINE AND A GAMING MACHINE
- (51) Int. Cl.
- G07F 17/32 ( 2006.01 )
- G07F 17/34 ( 2006.01 )
- (43) 08.02.2024
- (62) 2021277711
- (72) KIM, Hyong Joo
- (74) Griffith Hack
- 
- (71) Aristocrat Technologies Australia Pty Limited
- (11) AU-A-2024200367
- (21) 2024200367 (22) 19.01.2024
- (54) A GAMING SYSTEM AND A METHOD OF GAMING
- (51) Int. Cl.
- G07F 17/00 ( 2006.01 )
- (43) 08.02.2024
- (62) 2021236543
- (72) BOND, Anthony Wayne; FRERKING, Gary; JOHNSON, Darnell Alfonso; STEWART, Scott Monroe; WOOTRESS Jr., John
- (74) Griffith Hack
- 
- (71) ASICS Corporation
- (11) AU-A-2023204308
- (21) 2023204308 (22) 04.07.2023
- (54) Sportswear
- (51) Int. Cl.
- A41D 13/00 ( 2006.01 )
- A41D 1/04 ( 2006.01 )
- A41D 31/04 ( 2019.01 )
- (31) JP2022-116407 (32) 21.07.22 (33) JP
- (43) 08.02.2024
- (72) OZAWA, Akihiro; NISHI, Toshiaki; INOSHITA, Yohei; YOSHIHARA, Masaaki; YOSHITAKE, Junji; SATO, Sho
- (74) WRAYS PTY LTD
- 
- (71) Assurant, Inc.
- (11) AU-A-2024200365
- (21) 2024200365 (22) 19.01.2024
- (54) Apparatus, method, and computer program product for claim management device lockout
- (51) Int. Cl.
- G06F 21/31 ( 2013.01 )
- G06N 5/02 ( 2023.01 )
- G06Q 10/00 ( 2023.01 )
- G06Q 40/00 ( 2023.01 )
- H04L 9/32 ( 2006.01 )
- 
- (43) 08.02.2024
- (62) 2020209849
- (72) MANDULEY, Maria; CARTWRIGHT, Charles Daniel; ALMONTE, Gilberto
- (74) AJ PARK
- 
- (71) Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH
- (11) AU-A-2022206771
- (21) 2022206771 (22) 21.07.2022
- (54) Drug conjugates comprising antibodies against Claudin 18.2
- (51) Int. Cl.
- A61K 47/68 ( 2017.01 )
- A61K 31/40 ( 2006.01 )
- A61K 31/5365 ( 2006.01 )
- A61K 39/395 ( 2006.01 )
- A61P 35/00 ( 2006.01 )
- C07K 16/28 ( 2006.01 )
- C07K 16/30 ( 2006.01 )
- A61K 39/00 ( 2006.01 )
- C07K 14/47 ( 2006.01 )
- (43) 08.02.2024
- (72) Sahin, Ugur; Türeci, Özlem; Walter, Korden; Kreuzberg, Maria; Mitnacht-Kraus, Rita; Le Gall, Fabrice; Jacobs, Stefan
- (74) FB Rice Pty Ltd
- 
- (71) Attochron, LLC
- (11) AU-A-2024200394
- (21) 2024200394 (22) 22.01.2024
- (54) Method and apparatus for ultra-short pulsed laser communication through a lossy medium
- (51) Int. Cl.
- G01S 17/10 ( 2020.01 )
- G01S 7/483 ( 2006.01 )
- G01S 17/06 ( 2006.01 )
- H01S 3/067 ( 2006.01 )
- (43) 08.02.2024
- (62) 2019428187
- (72) CHAFFEE, Thomas Malcolm; SZAJOWSKI, Paul F.; FLEISHAUER, Robert P.
- (74) LAMINAR IP PTY LTD
- 
- (71) Axon Enterprise, Inc.
- (11) AU-A-2024200335
- (21) 2024200335 (22) 18.01.2024
- (54) Methods and apparatus for assigning electrode polarity for a conducted electrical weapon
- (51) Int. Cl.
- F41H 13/00 ( 2006.01 )
- G01R 15/06 ( 2006.01 )
- G01R 19/00 ( 2006.01 )
- G01R 19/04 ( 2006.01 )
- G01R 19/155 ( 2006.01 )
- H05C 1/06 ( 2006.01 )
- (43) 08.02.2024
- (62) 2020415270
- (72) NERHEIM, Magne; MARKLE, Ryan
- (74) WRAYS PTY LTD
- 
- (71) BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.
- (11) AU-A-2023206122
- (21) 2023206122 (22) 19.07.2023
- (54) Superconducting quantum chip design method and apparatus, electronic device and medium
- (51) Int. Cl.
- G06N 10/40 ( 2022.01 )
- G06F 30/36 ( 2020.01 )
- G06F 30/39 ( 2020.01 )
- G06F 30/398 ( 2020.01 )
- G06N 10/00 ( 2022.01 )
- (31) 2022108714733 (32) 22.07.22 (33) CN
- (43) 08.02.2024
- (72) JIA, Peng; CUI, Zhengyi; JIN, Lijing
- (74) Davies Collison Cave Pty Ltd
- 
- (71) Beijing Tusen Zhitu Technology Co., Ltd.
- (11) AU-A-2023206108
- (21) 2023206108 (22) 18.07.2023
- (54) Prediction method for target object, computer device, and storage medium
- (51) Int. Cl.
- G06V 10/25 ( 2022.01 )
- G06T 7/10 ( 2017.01 )
- G06T 7/62 ( 2017.01 )
- G06V 10/82 ( 2022.01 )
- G06V 20/64 ( 2022.01 )
- (31) 202210853238.3 (32) 20.07.22 (33) CN
- (43) 08.02.2024
- (72) FAN, Lue; WANG, Feng; WANG, Naiyan
- (74) FB Rice Pty Ltd
- 
- (71) Bigfoot Biomedical, Inc.
- (11) AU-A-2024200423
- (21) 2024200423 (22) 23.01.2024
- (54) Medicine injection and disease management systems, devices, and methods
- (51) Int. Cl.
- A61M 5/14 ( 2006.01 )
- A61M 5/168 ( 2006.01 )
- A61M 5/172 ( 2006.01 )
- G16C 10/00 ( 2019.01 )
- (43) 08.02.2024
- (62) 2022202031
- (72) Desborough, Lane; Mazlish, Bryan; Sjölund, Per John; Bochenko, Andrew; Naylor, Ross
- (74) WRAYS PTY LTD
- 
- (71) Biocompatibles UK Limited
- (11) AU-A-2024200336
- (21) 2024200336 (22) 18.01.2024
- (54) Dual stage cryocooler
- (51) Int. Cl.
- A61B 18/02 ( 2006.01 )
- (43) 08.02.2024
- (62) 2020328064
- (72) RAMADHYANI, Satish; KVEEN, Graig; NATESAN, Harishankar
- (74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

(71) Biomet Manufacturing, LLC  
 (11) AU-A-2023206128  
 (21) 2023206128 (22) 19.07.2023  
 (54) PROSTHESIS SUPPORTED TISSUE REPAIR SYSTEM AND METHOD  
 (51) Int. Cl.  
     **A61B 17/56** ( 2006.01 )  
     **A61B 17/16** ( 2006.01 )  
     **A61F 2/40** ( 2006.01 )  
     **A61F 2/46** ( 2006.01 )  
 (31) 63/391,116 (32) 21.07.22 (33) US  
 (43) 08.02.2024  
 (72) Winslow, Nathan A.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2024200441  
 (21) 2024200441 (22) 24.01.2024  
 (54) System and device for treating tissue  
 (51) Int. Cl.  
     **A61B 17/122** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2020444017  
 (72) SAENZ VILLALOBOS, Gonzalo Jose; CALVO CAMACHO, Daniel; BERENZON, Rafael; RYAN, Shawn  
 (74) Spruson & Ferguson

(71) Brady Worldwide, Inc.  
 (11) AU-A-2023204384  
 (21) 2023204384 (22) 07.07.2023  
 (54) Valve lockout  
 (51) Int. Cl.  
     **F16K 35/06** ( 2006.01 )  
 (31) 17/867,925 (32) 19.07.22 (33) US  
 (43) 08.02.2024  
 (72) ENGER, Andrew N.  
 (74) Spruson & Ferguson

(71) BREEN, W.; VALLESE, M.  
 (11) AU-A-2024200397  
 (21) 2024200397 (22) 22.01.2024  
 (54) PLUMBING FITTING AND SEAT  
 (51) Int. Cl.  
     **E03C 1/12** ( 2006.01 )  
     **E03F 3/04** ( 2006.01 )  
     **F16L 3/12** ( 2006.01 )  
     **F16L 43/02** ( 2006.01 )  
     **F16L 43/00** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2023208119  
 (72) VALLESE, Mario; BREEN, William  
 (74) Churchill Attorneys

(71) Canva Pty Ltd  
 (11) AU-A-2024200402  
 (21) 2024200402 (22) 23.01.2024  
 (54) Digital video production systems and methods  
 (51) Int. Cl.  
     **G11B 27/10** ( 2006.01 )  
     **G06F 16/61** ( 2019.01 )  
     **G06F 16/63** ( 2019.01 )  
     **G06F 16/71** ( 2019.01 )  
     **G06F 16/732** ( 2019.01 )  
     **G06F 16/738** ( 2019.01 )  
     **G11B 27/036** ( 2006.01 )

**G11B 27/28** ( 2006.01 )  
**G11B 27/34** ( 2006.01 )  
**H04N 5/262** ( 2006.01 )  
**H04N 5/265** ( 2006.01 )  
**H04N 21/8549** ( 2011.01 )  
**H04N 21/4402** ( 2011.01 )  
 (43) 08.02.2024  
 (62) 2022200214  
 (72) Evans, Michael; Faccin, Jessica; Adams, Cameron  
 (74) FPA Patent Attorneys Pty Ltd

(71) Carter-Hoffmann, LLC  
 (11) AU-A-2023206121  
 (21) 2023206121 (22) 19.07.2023  
 (54) Cabinet for holding food products  
 (51) Int. Cl.  
     **A47B 81/00** ( 2006.01 )  
     **A47B 53/00** ( 2006.01 )  
     **A47B 71/00** ( 2006.01 )  
 (31) 63/391,369 (32) 22.07.22 (33) US  
     63/521,218 15.06.23 US  
 (43) 08.02.2024  
 (72) GUTIERREZ, Juan; PUSHPALA, Sreekanth  
 (74) FB Rice Pty Ltd

(71) Cellresearch Corporation Pte. Ltd.  
 (11) AU-A-2024200348  
 (21) 2024200348 (22) 18.01.2024  
 (54) A METHOD OF ISOLATING MESENCHYMAL STEM CELLS FROM UMBILICAL CORD AMNIOTIC MEMBRANE USING A CELL CULTURE MEDIUM  
 (51) Int. Cl.  
     **C12N 5/0775** ( 2010.01 )  
     **A61K 35/51** ( 2015.01 )  
 (43) 08.02.2024  
 (62) 2017339344  
 (72) Phan, Toan Thang  
 (74) Oxygene IP

(71) Chugai Seiyaku Kabushiki Kaisha  
 (11) AU-A-2024200345  
 (21) 2024200345 (22) 18.01.2024  
 (54) Antigen-binding domain, and polypeptide including conveying section  
 (51) Int. Cl.  
     **C12N 15/09** ( 2006.01 )  
     **A61K 38/16** ( 2006.01 )  
     **A61K 39/395** ( 2006.01 )  
     **A61K 47/64** ( 2017.01 )  
     **A61K 47/65** ( 2017.01 )  
     **C07K 19/00** ( 2006.01 )  
     **C40B 30/04** ( 2006.01 )  
     **C40B 40/10** ( 2006.01 )  
     **G01N 33/15** ( 2006.01 )  
     **G01N 33/50** ( 2006.01 )  
     **G01N 33/53** ( 2006.01 )  
     **A61P 29/00** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **A61P 37/06** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2017364817  
 (72) IGAWA, Tomoyuki; ISHIKAWA, Hiroyuki; HIRONIWA, Naoka  
 (74) Spruson & Ferguson

(71) Cobra Fixations Cie Ltee - Cobra Anchors Co. Ltd.  
 (11) AU-A-2024200398  
 (21) 2024200398 (22) 22.01.2024  
 (54) Anchor assembly for fastener  
 (51) Int. Cl.  
     **F16B 13/08** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2016431876  
 (72) McDuff, Pierre  
 (74) Franke Hyland Pty Ltd

(71) Comb O&P  
 (11) AU-A-2023200910  
 (21) 2023200910 (22) 16.02.2023  
 (54) Fixture assembly and method for positioning appendage for digital scanning  
 (51) Int. Cl.  
     **A61G 13/12** ( 2006.01 )  
     **A61B 5/107** ( 2006.01 )  
     **A61G 15/12** ( 2006.01 )  
 (31) 17/890,231 (32) 22.07.22 (33) US  
     63/369,163 22.07.22 US  
 (43) 08.02.2024  
 (72) GOODMAN, Alex; NAFTA, Jonathan  
 (74) Spruson & Ferguson

(71) Cripps Clark, J.  
 (11) AU-A-2024200003  
 (21) 2024200003 (22) 02.01.2024  
 (54) OrchiFi is a block chain facility and devices to more robustly orchestrate data operations (with variations in time, space and other needs) from multiple different remote or local sources into potentially multiple different paths and or outcomes in a highly systematic and therefore more risk-assessable way.  
 (51) Int. Cl.  
     **G06F 16/27** ( 2019.01 )  
     **H04L 9/00** ( 2022.01 )  
     **H04L 9/08** ( 2006.01 )  
     **H04L 9/32** ( 2006.01 )  
     **G06F 21/64** ( 2013.01 )  
     **G06Q 50/18** ( 2012.01 )  
 (31) 2022901447 (32) 29.05.22 (33) AU  
     2022900980 13.04.22 AU  
     2022903608 28.11.22 AU  
     2022903799 12.12.22 AU  
     2022900410 23.02.22 AU  
     2022903846 15.12.22 AU  
     2023900010 03.01.23 AU  
     2023900027 08.01.23 AU  
     2023900226 31.01.23 AU  
     2023900144 22.01.23 AU  
     2023900197 29.01.23 AU  
     2023900576 04.03.23 AU  
     2023900667 12.03.23 AU  
     2021902946 12.09.21 AU  
 (43) 08.02.2024  
 (62) 2023203325  
 (72) Cripps Clark, Julianne  
 (74) Julianne Mary Cripps Clark

(71) DAP Global Inc.  
 (11) AU-A-2023204570  
 (21) 2023204570 (22) 10.07.2023  
 (54) One-component spray foam compositions and dispensers thereof

Applications Open to Public Inspection - Name Index cont'd

- (51) Int. Cl.  
**C08G 18/72** ( 2006.01 )  
**B05B 9/08** ( 2006.01 )  
**B05B 12/00** ( 2018.01 )  
**B65D 83/16** ( 2006.01 )  
**C09D 175/04** ( 2006.01 )  
(31) 63/391,144 (32) 21.07.22 (33) US  
(43) 08.02.2024  
(72) RUESCHHOFF, Kenneth; YEATES, Nicholas; KENNEY, James; ZHANG, Jay; CORCORAN, Kevin  
(74) Spruson & Ferguson
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- (71) Dark Arts Surf  
(11) AU-A-2022312943  
(21) 2022312943 (22) 31.10.2022  
(54) Surfboard layup system and method  
(51) Int. Cl.  
**B63B 32/40** ( 2020.01 )  
(31) 17/872,550 (32) 25.07.22 (33) US  
(43) 08.02.2024  
(72) TERNES, Justin  
(74) RnB IP Pty Ltd
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- (71) Deere & Company  
(11) AU-A-2023204136  
(21) 2023204136 (22) 29.06.2023  
(54) Pneumatic conveyance leveling system  
(51) Int. Cl.  
**A01C 15/00** ( 2006.01 )  
**A01C 7/08** ( 2006.01 )  
**A01C 15/04** ( 2006.01 )  
**B65G 53/16** ( 2006.01 )  
(31) 17/872,427 (32) 25.07.22 (33) US  
(43) 08.02.2024  
(72) Harmon, Andrew W.  
(74) Davies Collison Cave Pty Ltd
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- (71) Dolby International AB  
(11) AU-A-2024200330  
(21) 2024200330 (22) 18.01.2024  
(54) : Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter  
(51) Int. Cl.  
**G10L 19/02** ( 2013.01 )  
**G10L 19/26** ( 2013.01 )  
**G10L 19/107** ( 2013.01 )  
**G10L 19/20** ( 2013.01 )  
(43) 08.02.2024  
(62) 2022241555  
(72) RESCH, Barbara; KJORLING, Kristofer; VILLEMoes, Lars  
(74) Chrysiliou IP
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- (71) Eaton Intelligent Power Limited  
(11) AU-A-2023206096  
(21) 2023206096 (22) 18.07.2023  
(54) ENERGY-LIMITING DEVICE FOR A SURGE ARRESTER  
(51) Int. Cl.  
**H02H 3/08** ( 2006.01 )  
**H01C 7/12** ( 2006.01 )  
**H01H 39/00** ( 2006.01 )  
**H01T 1/14** ( 2006.01 )  
**H02H 3/16** ( 2006.01 )  
**H02H 7/24** ( 2006.01 )
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- (31) 63/391,985 (32) 25.07.22 (33) US  
(43) 08.02.2024  
(72) Daley, Charles William  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Element Biosciences, Inc.  
(11) AU-A-2024200383  
(21) 2024200383 (22) 19.01.2024  
(54) Flow cell device and use thereof  
(51) Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**B29C 65/14** ( 2006.01 )  
(43) 08.02.2024  
(62) 2019392932  
(72) GUO, Minghao; ZHANG, Leon Zilun; ZHOU, Chunhong; KELLINGER, Matthew; PREVITE, Michael  
(74) FB Rice Pty Ltd
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- (71) Evapco, Inc.  
(11) AU-A-2024200424  
(21) 2024200424 (22) 23.01.2024  
(54) Cooling tower axial fan in a hollowed disc/ring configuration  
(51) Int. Cl.  
**F04D 19/00** ( 2006.01 )  
**B63H 1/20** ( 2006.01 )  
**F04D 29/00** ( 2006.01 )  
**F04D 29/34** ( 2006.01 )  
**F04D 29/64** ( 2006.01 )  
(43) 08.02.2024  
(62) 2018254615  
(72) Martini, Luigi; Strauss, Daniel; De Araujo Pereira Andrade, Ricardo  
(74) Davies Collison Cave Pty Ltd
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- (71) Ferman, M.  
(11) AU-A-2024200351  
(21) 2024200351 (22) 18.01.2024  
(54) Polymer Bracket  
(51) Int. Cl.  
**F16L 3/223** ( 2006.01 )  
(43) 08.02.2024  
(62) 2017276323  
(72) Ferman, Michael  
(74) ACROGON GROUP PTY LTD
- 
- (71) FISHER & PAYKEL HEALTHCARE LIMITED  
(11) AU-A-2024200417  
(21) 2024200417 (22) 23.01.2024  
(54) INTERFACE COMPRISING A NASAL SEALING PORTION AND A ROLLING HINGE  
(51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
(43) 08.02.2024  
(62) 2021236458  
(72) BEARNE, Peter David Alexander; PATEL, Roheet; MIDDELKOOP, Kirstin Elizabeth; MASHAL, Fadi Karim Moh'd; COX, Michael John Henri  
(74) AJ PARK
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- (71) Forrest, M.  
(11) AU-A-2024200288  
(21) 2024200288 (22) 16.01.2024  
(54) Therapeutic Modulators of the Reverse Mode of ATP Synthase  
(51) Int. Cl.  
**A61K 31/4164** ( 2006.01 )  
**A61K 31/551** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 233/56** ( 2006.01 )  
**C07D 251/54** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
(43) 08.02.2024  
(62) 2022235526  
(72) FORREST, Michael David  
(74) Michael David Forrest
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- (71) FORTESCUE LTD  
(11) AU-A-2024200400  
(21) 2024200400 (22) 22.01.2024  
(54) Vessel  
(51) Int. Cl.  
**B63B 17/00** ( 2006.01 )  
**B63H 21/38** ( 2006.01 )  
**B63B 25/02** ( 2006.01 )  
**B63H 21/00** ( 2006.01 )  
**B63J 3/00** ( 2006.01 )  
**B63J 99/00** ( 2009.01 )  
(43) 08.02.2024  
(62) 2021221776  
(72) COLEMAN, David Hugh Michael; TOMAR, Praveen Singh  
(74) Davies Collison Cave Pty Ltd
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- (71) FUJIFILM Irvine Scientific, Inc.  
(11) AU-A-2024200370  
(21) 2024200370 (22) 19.01.2024  
(54) VENTING SYSTEM FOR A MIXING APPARATUS  
(51) Int. Cl.  
**B01D 61/20** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**B01D 19/00** ( 2006.01 )  
**B01D 36/00** ( 2006.01 )  
**B01D 63/06** ( 2006.01 )  
**C12M 1/12** ( 2006.01 )  
(43) 08.02.2024  
(62) 2019331886  
(72) FLETCHER, Thomas Reid; MAURO, Wayne; NEESE, David  
(74) Griffith Hack
- 
- (71) Fujikura Ltd.  
(11) AU-A-2024200358  
(21) 2024200358 (22) 19.01.2024  
(54) Optical fiber cable  
(51) Int. Cl.  
**G02B 6/44** ( 2006.01 )  
(43) 08.02.2024  
(62) 2022200769  
(72) SHIMIZU, Shogo; NAMAZUE, Akira; OSATO, Ken  
(74) FB Rice Pty Ltd
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- (71) Fujikura Ltd.  
(11) AU-A-2024200409  
(21) 2024200409 (22) 23.01.2024



Applications Open to Public Inspection - Name Index cont'd

- (54) INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON  
 (51) Int. Cl.  
**G02B 6/44** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2020332113  
 (72) Murakoshi, Yoshie; Namazue, Akira; Osato, Ken  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Gen-Probe Incorporated  
 (11) AU-A-2024200422  
 (21) 2024200422 (22) 23.01.2024  
 (54) System for Measuring Optical Signal Detector Performance  
 (51) Int. Cl.  
**G01N 21/03** ( 2006.01 )  
**G01N 21/27** ( 2006.01 )  
**G01N 21/64** ( 2006.01 )  
**G01N 21/75** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2022203734  
 (72) OPALSKY, David; RAGHUWANSHI, Srajan; BUI, James  
 (74) FB Rice Pty Ltd
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- (71) Genzyme Corporation  
 (11) AU-A-2024200349  
 (21) 2024200349 (22) 18.01.2024  
 (54) Methods for detecting AAV  
 (51) Int. Cl.  
**C12N 7/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2017312951  
 (72) Jin, Xiaoying; O'Riordan, Catherine R.; Liu, Lin; Zhang, Kate  
 (74) Griffith Hack
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- (71) GE Video Compression, LLC  
 (11) AU-A-2023266237  
 (21) 2023266237 (22) 13.11.2023  
 (54) Coding concept allowing parallel processing, transport demultiplexer and video bitstream  
 (51) Int. Cl.  
**H04N 19/00** ( 2014.01 )  
 (43) 08.02.2024  
 (62) 2021290315  
 (72) Thomas SCHIERL; Valeri GEORGE; Karsten GRUENEBERG; Heiner KIRCHHOFFER; Anastasia HENKEL; Detlev MARPE  
 (74) Griffith Hack
- 
- (71) Gorski, G.  
 (11) AU-A-2023203126  
 (21) 2023203126 (22) 18.05.2023  
 (54) PRODUCT DISPLAY PACKAGE  
 (51) Int. Cl.  
**B65D 5/42** ( 2006.01 )  
**B65D 5/44** ( 2006.01 )  
**B65D 5/52** ( 2006.01 )  
 (31) 63/392,098 (32) 25.07.22 (33) US  
 18/128,458 30.03.23 US
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- (43) 08.02.2024  
 (72) Gorski, Gregg  
 (74) Michael Buck IP
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- (71) Great Plains Manufacturing, Inc.  
 (11) AU-A-2024200396  
 (21) 2024200396 (22) 22.01.2024  
 (54) Compact Utility Loader  
 (51) Int. Cl.  
**E02F 9/08** ( 2006.01 )  
**E02F 3/34** ( 2006.01 )  
**E02F 9/20** ( 2006.01 )  
**E02F 9/26** ( 2006.01 )  
 (43) 08.02.2024  
 (62) 2022200733  
 (72) Carlson, Jason; Takemura, Toshihiko; Relph, John; Shobe, Matthew; Welsh, Jeff  
 (74) SR Intellectual Property
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- HANGZHOU NARADA POWER TECHNOLOGY CO., LTD. see ZHEJIANG NARADA POWER SOURCE CO., LTD.**  
 (21) 2022379904
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- (71) Harro Höfliger Verpackungsmaschinen GmbH  
 (11) AU-A-2023208082  
 (21) 2023208082 (22) 24.07.2023  
 (54) DEVICE FOR SEPARATING, TREATING AND REJOINING MULTIPIECE OBJECTS  
 (51) Int. Cl.  
**B65B 7/16** ( 2006.01 )  
**A61J 1/03** ( 2023.01 )  
**B65B 5/08** ( 2006.01 )  
**B65B 5/10** ( 2006.01 )  
 (31) 22186783.1 (32) 25.07.22 (33) EP  
 (43) 08.02.2024  
 (72) Bihlmaier, Jonathan; Morschett, Robert; Chambers, Garry; Junger, Michael Carl; Lemaire, Pierre Armand Vincent  
 (74) Madderns Pty Ltd
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- (71) HATKO KAUCUK ANONIM SIRKETI  
 (11) AU-A-2023203836  
 (21) 2023203836 (22) 19.06.2023  
 (54) SOUND BARRIER  
 (51) Int. Cl.  
**C08J 5/18** ( 2006.01 )  
**E01F 8/00** ( 2006.01 )  
 (31) 2022/011688 (32) 22.07.22 (33) TR  
 (43) 08.02.2024  
 (72) HATKO, Nejan  
 (74) CreatelP
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- (71) HITIQ Limited  
 (11) AU-A-2024200405  
 (21) 2024200405 (22) 23.01.2024  
 (54) INSTRUMENTED MOUTHGUARD DEVICES AND COMPONENTS CONFIGURED FOR USE IN INSTRUMENTED MOUTHGUARD DEVICES  
 (51) Int. Cl.  
**A61B 5/11** ( 2006.01 )  
**A63B 71/08** ( 2006.01 )
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- (43) 08.02.2024  
 (62) 2020219864  
 (72) VEGAR, Michael; NIZETTE, Ben; LANG, Lucas; AUSTIN, David  
 (74) FORWARD INTELLECTUAL PROPERTY PTY LTD
- 
- (71) Howmedica Osteonics Corp.  
 (11) AU-A-2024200427  
 (21) 2024200427 (22) 24.01.2024  
 (54) Pre-operative planning of surgical revision procedures for orthopedic joints  
 (51) Int. Cl.  
**A61B 34/10** ( 2016.01 )  
**G06T 7/00** ( 2017.01 )  
 (43) 08.02.2024  
 (62) 2020331936  
 (72) CHAOUI, Jean; MAYYA, Maximilien  
 (74) FB Rice Pty Ltd
- 
- (71) Huang, T.  
 (11) AU-A-2023201486  
 (21) 2023201486 (22) 09.03.2023  
 (54) PRODUCTION METHOD OF MULTIELEMENT MICROPOROUS MINERAL FERTILIZER WITH PHOSPHORUS, POTASSIUM, SILICON, AND CALCIUM  
 (51) Int. Cl.  
**C05G 1/00** ( 2006.01 )  
**C05D 1/04** ( 2006.01 )  
 (31) 202210875202.5 (32) 22.07.22 (33) CN  
 (43) 08.02.2024  
 (72) Huang, Tao; Li, Huan; Tang, Linwu; Huang, Michelle; Huang, Tiffany; Du, Song  
 (74) Madderns Pty Ltd
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- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024200359  
 (21) 2024200359 (22) 19.01.2024  
 (54) CANDIDATE SIGNALING FOR REFERENCE PICTURE LIST STRUCTURES  
 (51) Int. Cl.  
**H04N 19/44** ( 2014.01 )  
**H04N 19/50** ( 2014.01 )  
**H04N 19/51** ( 2014.01 )  
**H04N 19/59** ( 2014.01 )  
**H04N 19/61** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
 (43) 08.02.2024  
 (62) 2019338463  
 (72) Hendry, Fnu; Wang, Ye-Kui  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024200360  
 (21) 2024200360 (22) 19.01.2024  
 (54) METHOD AND APPARATUS OF INTERPOLATION FILTERING FOR PREDICTIVE CODING  
 (51) Int. Cl.  
**H04N 19/117** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )

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 (72) Filippov, Alexey Konstantinovich; Ruffitskiy, Vasily Alexeevich; Chen, Jianle  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024200437  
 (21) 2024200437 (22) 24.01.2024  
 (54) PICTURES WITH MIXED NAL UNIT TYPES  
 (51) Int. Cl.  
*H04N 19/00* (2014.01)  
 (43) 08.02.2024  
 (62) 2020234831  
 (72) Wang, Ye-Kui; Hendry, Fnu  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT  
 (11) AU-A-2023206179  
 (21) 2023206179 (22) 20.07.2023  
 (54) Game with Win Based on Cryptocurrency  
 (51) Int. Cl.  
*G07F 17/34* (2006.01)  
*G06Q 20/06* (2012.01)  
 (31) 17/875,093 (32) 22.07.22 (33) US  
 (43) 08.02.2024  
 (72) Sulzbacher, Helmut  
 (74) Clark Intellectual Property Pty Ltd

(71) Ionis Pharmaceuticals, Inc.  
 (11) AU-A-2024200296  
 (21) 2024200296 (22) 17.01.2024  
 (54) CONJUGATED ANTISENSE COMPOUNDS AND THEIR USE  
 (51) Int. Cl.  
*C07H 21/00* (2006.01)  
*A61K 38/00* (2006.01)  
*A61K 39/00* (2006.01)  
 (43) 08.02.2024  
 (62) 2021204244  
 (72) Prakash, Thazha P.; Seth, Punit P.; Swayze, Eric E.  
 (74) RnB IP Pty Ltd

(71) JCB Research  
 (11) AU-A-2023206150  
 (21) 2023206150 (22) 19.07.2023  
 (54) FUEL INJECTOR SEAL  
 (51) Int. Cl.  
*F02M 61/14* (2006.01)  
*F02M 55/00* (2006.01)  
*F02M 61/16* (2006.01)  
 (31) 2210593.6 (32) 20.07.22 (33) GB  
 (43) 08.02.2024  
 (72) Griffin, John; Khan, Mohammad Saifulah; Coates, Emma  
 (74) Madderns Pty Ltd

(71) JCM American Corporation  
 (11) AU-A-2024200369  
 (21) 2024200369 (22) 19.01.2024  
 (54) Transaction methods for mobile wallet operations in a gaming environment  
 (51) Int. Cl.

*G06Q 20/32* (2012.01)  
*G06Q 20/04* (2012.01)  
*G06Q 20/36* (2012.01)  
*G06Q 20/38* (2012.01)  
*G07F 17/32* (2006.01)  
*G07F 17/42* (2006.01)  
 (43) 08.02.2024  
 (62) 2020364083  
 (72) NGUYEN, Mike; KUBAJAK, Dave; ADAMS, Mark; CASTILO, Mark  
 (74) AJ PARK

(71) Jetoptera, Inc.  
 (11) AU-A-2024200376  
 (21) 2024200376 (22) 19.01.2024  
 (54) Fluidic propulsive system  
 (51) Int. Cl.  
*B64C 15/14* (2006.01)  
*B64D 27/18* (2006.01)  
*B64D 29/02* (2006.01)  
*F02K 1/36* (2006.01)  
 (43) 08.02.2024  
 (62) 2021203495  
 (72) EVULET, Andrei  
 (74) Spruson & Ferguson

(71) K61 BLAZER INVESTMENTS (PTY) LTD  
 (11) AU-A-2023204388  
 (21) 2023204388 (22) 26.05.2023  
 (54) SYSTEM AND METHOD FOR FACILITATING CIGARETTE SALES AND CIGARETTE TRACKING  
 (51) Int. Cl.  
*G06Q 10/0833* (2023.01)  
*G07G 1/00* (2006.01)  
 (87) WO2024/003629  
 (31) 2022/07286 (32) 01.07.22 (33) ZA  
 2022/09914 06.09.22 ZA  
 (43) 08.02.2024  
 (72) PHILLIPS, Victor Albert  
 (74) Alder IP Pty Ltd

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
 (11) AU-A-2024200399  
 (21) 2024200399 (22) 22.01.2024  
 (54) Gas processing equipment and gas processing method, and carbon dioxide capture system and carbon dioxide capture method  
 (51) Int. Cl.  
*B01D 53/75* (2006.01)  
*B01D 53/14* (2006.01)  
*B01D 53/46* (2006.01)  
*B01D 53/62* (2006.01)  
*B01D 53/96* (2006.01)  
 (43) 08.02.2024  
 (62) 2022201763  
 (72) Muraoka, Daigo; Fujita, Koshito; Murai, Shinji; Morigaki, Hayato; Shibasaki, Osamu; Kato, Yasuhiro; Saito, Satoshi; Muramatsu, Takehiko; Shibata, Ryosuke; Handa, Yusuke  
 (74) Davies Collison Cave Pty Ltd

Kabushiki Kaisha Toshiba see Toshiba Energy Systems & Solutions Corporation  
 (21) 2024200432

(71) Klotho Therapeutics, Inc.  
 (11) AU-A-2023285852  
 (21) 2023285852 (22) 21.12.2023  
 (54) Novel recombinant Klotho proteins and compositions and methods involving the same  
 (51) Int. Cl.  
*A61K 38/17* (2006.01)  
*A61K 38/18* (2006.01)  
*A61K 38/22* (2006.01)  
*A61K 38/47* (2006.01)  
*A61K 39/395* (2006.01)  
*C07K 14/435* (2006.01)  
*C07K 14/475* (2006.01)  
*C07K 14/50* (2006.01)  
*C07K 14/705* (2006.01)  
 (43) 08.02.2024  
 (62) 2017363321  
 (72) Tarsio, Joseph F.; Raturi, Dinesh; Plante, James R.  
 (74) Davies Collison Cave Pty Ltd

(71) Kosp Construction Resources Pty Ltd  
 (11) AU-A-2023206184  
 (21) 2023206184 (22) 20.07.2023  
 (54) Composite Construction Panel and Method of Construction  
 (51) Int. Cl.  
*E04C 2/34* (2006.01)  
*B27N 3/00* (2006.01)  
*C04B 28/10* (2006.01)  
*E04B 1/76* (2006.01)  
*E04C 2/288* (2006.01)  
*E04G 17/06* (2006.01)  
*C04B 111/00* (2006.01)  
 (31) 2022902041 (32) 21.07.22 (33) AU  
 (43) 08.02.2024  
 (72) King, Dale Matthew  
 (74) Golja Haines & Friend

(71) KUMAR, D.  
 (11) AU-A-2023223001  
 (21) 2023223001 (22) 19.07.2023  
 (54) A MULTIFUNCTIONAL NURSING BED AND SYSTEM  
 (51) Int. Cl.  
*A61G 7/00* (2006.01)  
*A61G 7/012* (2006.01)  
*A61G 7/015* (2006.01)  
*A61G 7/02* (2006.01)  
*A61G 7/05* (2006.01)  
*A61G 7/065* (2006.01)  
 (31) 202211041112 (32) 19.07.22 (33) IN  
 (43) 08.02.2024  
 (72) KUMAR, DILEEP  
 (74) IP Guardian Pty Ltd

(71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude  
 (11) AU-A-2023204069  
 (21) 2023204069 (22) 26.06.2023

Applications Open to Public Inspection - Name Index cont'd

(54) BURNER ARRANGEMENT FOR SYNTHESIS GAS PRODUCTION  
 (51) Int. Cl.  
*C01B 3/36* ( 2006.01 )  
*C01B 3/34* ( 2006.01 )  
*C01B 3/38* ( 2006.01 )  
*F23D 17/00* ( 2006.01 )  
*F23D 23/00* ( 2006.01 )  
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*H04N 19/109* ( 2014.01 )  
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*H01L 33/60* ( 2010.01 )  
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*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 )  
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*G06T 17/05* ( 2011.01 )  
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 (74) A.P.T. Patent and Trade Mark Attorneys

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*E02D 5/52* ( 2006.01 )  
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*C07D 519/00* ( 2006.01 )  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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*C12Q 1/68* ( 2018.01 )  
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*G01N 33/487* ( 2006.01 )  
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(51) Int. Cl.  
*B62D 21/02* ( 2006.01 )  
*B60S 5/06* ( 2019.01 )  
*B62D 21/08* ( 2006.01 )  
*B62D 21/09* ( 2006.01 )  
*B62D 21/12* ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
**H04L 65/10** ( 2022.01 )
- (31) 17/872,237 (32) 25.07.22 (33) US  
18/170,998 17.02.23 US

- (43) 08.02.2024  
(72) Yau, Edward; Beach, Brian; Datar, Prashant  
(74) John Christiansen
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- (71) TAIPEI MEDICAL UNIVERSITY  
(11) AU-A-2022206798  
(21) 2022206798 (22) 21.07.2022  
(54) SELF-ASSEMBLED NANOPARTICLE AND USE THEREOF FOR ANTI- ANGIOGENESIS  
(51) Int. Cl.  
**A61K 31/728** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )
- (43) 08.02.2024  
(72) TSENG, Ching-Li; CHENG, Yu-Wen; WU, Yu-Yi; HSIEH, Erh-Hsuan; LIANG, Jia-Hua; LIN, Fan-Li  
(74) LAMINAR IP PTY LTD
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- (71) Technische Universität München; Technische Universität München - Klinikum Rechts der Isar  
(11) AU-A-2024200440  
(21) 2024200440 (22) 24.01.2024  
(54) Dual mode radiotracer and -therapeutics  
(51) Int. Cl.  
**A61K 51/04** ( 2006.01 )  
**A61K 51/08** ( 2006.01 )
- (43) 08.02.2024  
(62) 2018308699  
(72) WURZER, Alexander Josef; WESTER, Hans-Jürgen; EIBER, Matthias Johannes  
(74) Spruson & Ferguson

- Technische Universität München - Klinikum Rechts der Isar see Technische Universität München**  
(21) 2024200440
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- (71) Techtronic Cordless GP  
(11) AU-A-2023204125  
(21) 2023204125 (22) 28.06.2023  
(54) Charger  
(51) Int. Cl.  
**H01R 13/00** ( 2006.01 )
- (31) 202221910405.5 (32) 20.07.22 (33) CN  
(43) 08.02.2024  
(72) HUANG, Yu; YANG, Tao; ZHAO, Jiang  
(74) Spruson & Ferguson

- (71) Techtronic Cordless GP  
(11) AU-A-2023204696  
(21) 2023204696 (22) 14.07.2023  
(54) Display for controlling robotic tool  
(51) Int. Cl.  
**G05B 19/042** ( 2006.01 )  
**A01D 34/00** ( 2006.01 )  
**G05D 1/00** ( 2024.01 )
- (31) 63/390,574 (32) 19.07.22 (33) US

- (43) 08.02.2024  
(72) LEE, Chi Chau  
(74) Spruson & Ferguson
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- (71) Techtronic Cordless GP  
(11) AU-A-2023206080  
(21) 2023206080 (22) 17.07.2023  
(54) Outdoor tool and lubrication system thereof  
(51) Int. Cl.  
**B27B 17/12** ( 2006.01 )  
**A01G 3/08** ( 2006.01 )  
**B27B 17/00** ( 2006.01 )
- (31) 63/390325 (32) 19.07.22 (33) US  
(43) 08.02.2024  
(72) PROBY, Nicholas; OLVERA, Eduardo; HOLOWICKI, Nicholas  
(74) Spruson & Ferguson
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- (71) Terra Quantum AG  
(11) AU-A-2023202829  
(21) 2023202829 (22) 05.05.2023  
(54) A QUANTUM KEY DISTRIBUTION DEVICE AND METHOD SUITABLE FOR ESTABLISHING A GLOBAL QUANTUM KEY DISTRIBUTION NETWORK  
(51) Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**G06N 10/40** ( 2022.01 )  
**H04B 10/00** ( 2013.01 )
- (31) 22186505.8 (32) 22.07.22 (33) EP  
(43) 08.02.2024  
(72) VINOKUR, Valerii M.; KIRSANOV, Nikita S.; LESOVIK, Gordey B.; SEKATSKI, Pavel; KOLYBELNIKOV, Alexander; PASTUSHENKO, Valeria; KODUKHOV, Alexey  
(74) Griffith Hack

- (71) TERRASEE TECH, LLC  
(11) AU-A-2024200332  
(21) 2024200332 (22) 18.01.2024  
(54) DETERMING PRESENCE AND DEPTH OF MATERIALS IN THE EARTH  
(51) Int. Cl.  
**G01V 3/30** ( 2006.01 )  
**E21B 47/04** ( 2012.01 )  
**E21B 47/12** ( 2012.01 )  
**G01V 3/10** ( 2006.01 )  
**G01V 3/12** ( 2006.01 )
- (43) 08.02.2024  
(62) 2022293576  
(72) CLEGG, Philip  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

- (71) The Boeing Company  
(11) AU-A-2023203207  
(21) 2023203207 (22) 22.05.2023  
(54) Pilot training evaluation system  
(51) Int. Cl.  
**G05B 17/02** ( 2006.01 )  
**G06F 16/23** ( 2019.01 )  
**G06F 17/10** ( 2006.01 )  
**G06N 5/02** ( 2023.01 )

Applications Open to Public Inspection - Name Index cont'd

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**G09B 9/00** ( 2006.01 )  
**G09B 9/02** ( 2006.01 )  
**G09B 9/08** ( 2006.01 )  
**(31)** 17/814,719 **(32)** 25.07.22 **(33)** US  
**(43)** 08.02.2024  
**(72)** ALVAREZ-PINTOR, Miriam C.; BEYGI, Shervin; CHUNG, Kelly Anne  
**(74)** Spruson & Ferguson

**(71)** The Johns Hopkins University; Nacuity Pharmaceuticals, Inc.  
**(11)** AU-A-2024200436  
**(21)** 2024200436 **(22)** 24.01.2024  
**(54)** TREATMENT OF RETINITIS PIGMENTOSA WITH N-ACETYLCYSTEINE AMIDE  
**(51)** Int. Cl.  
**A01N 37/44** ( 2006.01 )  
**(43)** 08.02.2024  
**(62)** 2021225263  
**(72)** Campochiaro, Peter A.; Hartman, Daniel  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** The Procter & Gamble Company  
**(11)** AU-A-2024200429  
**(21)** 2024200429 **(22)** 24.01.2024  
**(54)** SEMISOLID MULTI-PHASE ORAL COMPOSITION COMPRISING HYDROPHILIC ACTIVE AGENT PARTICLES  
**(51)** Int. Cl.  
**A61K 8/22** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/31** ( 2006.01 )  
**A61K 8/38** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**A61Q 11/02** ( 2006.01 )  
**(43)** 08.02.2024  
**(62)** 2020257872  
**(72)** SAGEL, Paul Albert; RAJIAH, Jayanth; CURTIS, Michael David  
**(74)** AJ PARK

**(71)** Tight Lines Advisors, LLC  
**(11)** AU-A-2024200414  
**(21)** 2024200414 **(22)** 23.01.2024  
**(54)** METHOD AND SYSTEM FOR ATTAINING SUSTAINABLE PRODUCTIVITY GROWTH IN AN ENTITY  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**(43)** 08.02.2024  
**(62)** 2019356006  
**(72)** Abplanalp, John  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
**(21)** 2024200399

**(71)** Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba  
**(11)** AU-A-2024200432

**(21)** 2024200432 **(22)** 24.01.2024  
**(54)** Carbon dioxide capture system and method of operating carbon dioxide capture system  
**(51)** Int. Cl.  
**B01D 53/54** ( 2006.01 )  
**B01D 47/12** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01D 53/75** ( 2006.01 )  
**B01D 53/78** ( 2006.01 )  
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**(62)** 2022200057  
**(72)** Fujita, Koshito; Muraoka, Daigo; Kato, Yasuhiro; Handa, Yusuke; Saito, Satoshi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2023204108  
**(21)** 2023204108 **(22)** 28.06.2023  
**(54)** VEHICLE CONTROL SYSTEM  
**(51)** Int. Cl.  
**G01S 19/49** ( 2010.01 )  
**G01C 21/00** ( 2006.01 )  
**G01C 21/12** ( 2006.01 )  
**G01S 19/50** ( 2010.01 )  
**(31)** 63/391,181 **(32)** 21.07.22 **(33)** US  
 18/330,833 07.06.23 US  
**(43)** 08.02.2024  
**(72)** Vrba, Matthew; Trombo-Somerville, Brett; Elkin, Amanda; Blackwell, Jeremy  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2023204346  
**(21)** 2023204346 **(22)** 06.07.2023  
**(54)** VEHICLE CONTROL SYSTEM AND METHOD  
**(51)** Int. Cl.  
**B61L 3/16** ( 2006.01 )  
**B61H 11/02** ( 2006.01 )  
**G05D 1/00** ( 2024.01 )  
**(31)** 63/391,835 **(32)** 25.07.22 **(33)** US  
 18/344,029 29.06.23 US  
**(43)** 08.02.2024  
**(72)** Mathews, Harry Kirk; Felix, Sarah; Seenumani, Gayathri Indra; Singal, Kalpesh; Agarwal, Etika  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH see Astellas Pharma Inc.**  
**(21)** 2022206771

**(71)** Universität Regensburg; Universitätsklinikum Regensburg  
**(11)** AU-A-2024200362  
**(21)** 2024200362 **(22)** 19.01.2024  
**(54)** Photosensitive dispersion and use thereof  
**(51)** Int. Cl.  
**A01N 25/04** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
**A61K 6/00** ( 2020.01 )  
**A61K 8/04** ( 2006.01 )

**(43)** 08.02.2024  
**(62)** 2021221865  
**(72)** Burkhard, König; Werner, Kunz; Eva, Müller; Andreas, Späth; Wolfgang, Bäuml; Christiane, Jung  
**(74)** FB Rice Pty Ltd

**Universitätsklinikum Regensburg see Universität Regensburg**  
**(21)** 2024200362

**VALLESE, M. see BREEN, W.**  
**(21)** 2024200397

**(71)** Warp Drive Bio, Inc.  
**(11)** AU-A-2024200321  
**(21)** 2024200321 **(22)** 17.01.2024  
**(54)** Methods and reagents for analyzing protein-protein interfaces  
**(51)** Int. Cl.  
**A61K 47/42** ( 2017.01 )  
**A61K 38/12** ( 2006.01 )  
**A61K 38/13** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**C12N 9/90** ( 2006.01 )  
**(43)** 08.02.2024  
**(62)** 2016329064  
**(72)** Verdine, Gregory L.; Nichols, M. James; Townson, Sharon A.; Shigdel, Uddhav Kumar; Lee, Seung-Joo; Stiles, Dylan T.; Anthony, Neville J.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Westinghouse Air Brake Technologies Corporation  
**(11)** AU-A-2024200438  
**(21)** 2024200438 **(22)** 24.01.2024  
**(54)** COMMUNICATION SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G01V 3/15** ( 2006.01 )  
**(43)** 08.02.2024  
**(62)** 2022201616  
**(72)** Haas, Carl L.; Swar, Padam D.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Xencor, Inc.  
**(11)** AU-A-2023270275  
**(21)** 2023270275 **(22)** 22.11.2023  
**(54)** A method for purifying antibodies  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(43)** 08.02.2024  
**(62)** 2020207803  
**(72)** Matthew J. BERNETT; Gregory L. MOORE; John DESJARLAIS  
**(74)** Davies Collison Cave Pty Ltd

**(71)** ZHEJIANG NARADA POWER SOURCE CO., LTD.; HANGZHOU NARADA POWER TECHNOLOGY CO., LTD.  
**(11)** AU-A-2022379904

## Applications Open to Public Inspection - Name Index cont'd

- (21) 2022379904 (22) 22.07.2022  
(54) BATTERY CORE CONNECTING ASSEMBLY AND BATTERY  
(51) Int. Cl.  
H01M 50/543 ( 2021.01 )  
H01M 50/531 ( 2021.01 )  
(43) 08.02.2024  
(72) GUO, Feng; WANG, Yinglai; XIANG, Jiayuan; HUANG, Wen; LIU, Sihun; WANG, Meng; XU, Liukou; JIANG, Qinxu; LI, Yanhong; FANG, Ling; ZHANG, Bei; CHEN, Xiangdang; WEN, Shuting; CAO, Huayan  
(74) Madderns Pty Ltd
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- (71) Zimmer, Inc.  
(11) AU-A-2023206091  
(21) 2023206091 (22) 18.07.2023  
(54) LINEAR ELECTRIC SURGICAL HAMMER IMPACT TOOL  
(51) Int. Cl.  
A61B 17/92 ( 2006.01 )  
A61B 17/16 ( 2006.01 )  
A61F 2/46 ( 2006.01 )  
B23D 43/00 ( 2006.01 )  
B25D 11/00 ( 2006.01 )  
B25D 17/00 ( 2006.01 )  
(31) 63/390,354 (32) 19.07.22 (33) US  
63/450,316 06.03.23 US  
(43) 08.02.2024  
(72) Slocum, Alexander; Goyal, Nitin; Ditrach, Joshua; Singer, Neil  
(74) PHILLIPS ORMONDE FITZPATRICK



Numerical Index

<b>2022206734</b>	Muller, R.	<b>2024200316</b>	Mayo Foundation for Medical Education and Research
<b>2022206771</b>	Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz GmbH	<b>2024200321</b>	Warp Drive Bio, Inc.
<b>2022206795</b>	Property Source Solutions Pty Ltd	<b>2024200330</b>	Dolby International AB
<b>2022206798</b>	TAIPEI MEDICAL UNIVERSITY	<b>2024200332</b>	TERRASEE TECH, LLC
<b>2022259701</b>	MFTB Holdco, Inc.	<b>2024200335</b>	Axon Enterprise, Inc.
<b>2022312943</b>	Dark Arts Surf	<b>2024200336</b>	Biocompatibles UK Limited
<b>2022379904</b>	ZHEJIANG NARADA POWER SOURCE CO., LTD.; HANGZHOU NARADA POWER TECHNOLOGY CO., LTD.	<b>2024200342</b>	St. Jude Children's Research Hospital, Inc.; Memorial Sloan Kettering Cancer Center
<b>2023200910</b>	Comb O&P	<b>2024200344</b>	PTC Therapeutics MP, Inc.
<b>2023201486</b>	Huang, T.	<b>2024200345</b>	Chugai Seiyaku Kabushiki Kaisha
<b>2023201652</b>	Pro Access Holdings Pty Ltd	<b>2024200346</b>	Aristocrat Technologies Australia Pty Limited
<b>2023201856</b>	Strategic Wildfire Solutions Pty Ltd	<b>2024200347</b>	Apple Inc.
<b>2023202829</b>	Terra Quantum AG	<b>2024200348</b>	Cellresearch Corporation Pte. Ltd.
<b>2023203126</b>	Gorski, G.	<b>2024200349</b>	Genzyme Corporation
<b>2023203127</b>	ALLEN, B.	<b>2024200350</b>	Rampart IC, LLC
<b>2023203145</b>	Adobe Inc.	<b>2024200351</b>	Ferman, M.
<b>2023203207</b>	The Boeing Company	<b>2024200354</b>	AMOURIS, K.
<b>2023203559</b>	OilQuick Deutschland KG	<b>2024200357</b>	Apple Inc.
<b>2023203692</b>	Rinnai Corporation	<b>2024200358</b>	Fujikura Ltd.
<b>2023203836</b>	HATKO KAUCUK ANONIM SIRKETI	<b>2024200359</b>	Huawei Technologies Co., Ltd.
<b>2023204069</b>	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	<b>2024200360</b>	Huawei Technologies Co., Ltd.
<b>2023204108</b>	Transportation IP Holdings, LLC	<b>2024200361</b>	PepsiCo, Inc.
<b>2023204125</b>	Techtronic Cordless GP	<b>2024200362</b>	Universität Regensburg; Universitätsklinikum Regensburg
<b>2023204136</b>	Deere & Company	<b>2024200363</b>	National University of Ireland, Galway
<b>2023204308</b>	ASICS Corporation	<b>2024200364</b>	Apple Inc.
<b>2023204313</b>	Prysmian S.p.A.	<b>2024200365</b>	Assurant, Inc.
<b>2023204346</b>	Transportation IP Holdings, LLC	<b>2024200367</b>	Aristocrat Technologies Australia Pty Limited
<b>2023204384</b>	Brady Worldwide, Inc.	<b>2024200368</b>	Snap-on Incorporated
<b>2023204388</b>	K61 BLAZER INVESTMENTS (PTY) LTD	<b>2024200369</b>	JCM American Corporation
<b>2023204570</b>	DAP Global Inc.	<b>2024200370</b>	FUJIFILM Irvine Scientific, Inc.
<b>2023204691</b>	Pier Tech Systems LLC	<b>2024200372</b>	Luchak, P.W.
<b>2023204696</b>	Techtronic Cordless GP	<b>2024200373</b>	Northwestern University
<b>2023204714</b>	Snap-on Incorporated	<b>2024200376</b>	Jetoptera, Inc.
<b>2023206080</b>	Techtronic Cordless GP	<b>2024200383</b>	Element Biosciences, Inc.
<b>2023206091</b>	Zimmer, Inc.	<b>2024200387</b>	Spirox, Inc.
<b>2023206096</b>	Eaton Intelligent Power Limited	<b>2024200388</b>	Massachusetts Institute of Technology
<b>2023206108</b>	Beijing Tusen Zhitu Technology Co., Ltd.	<b>2024200391</b>	Magic Leap, Inc.
<b>2023206115</b>	Aristocrat Technologies, Inc.	<b>2024200392</b>	Arbutus Biopharma Corporation
<b>2023206121</b>	Carter-Hoffmann, LLC	<b>2024200393</b>	Merck Sharp & Dohme LLC
<b>2023206122</b>	BEIJING BAIDU NETCOM SCIENCE TECHNOLOGY CO., LTD.	<b>2024200394</b>	Attochron, LLC
<b>2023206128</b>	Biomet Manufacturing, LLC	<b>2024200396</b>	Great Plains Manufacturing, Inc.
<b>2023206148</b>	PXiSE Energy Solutions, LLC	<b>2024200397</b>	BREEN, W.; VALLESE, M.
<b>2023206150</b>	JCB Research	<b>2024200398</b>	Cobra Fixations Cie Ltee - Cobra Anchors Co. Ltd.
<b>2023206179</b>	IGT	<b>2024200399</b>	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
<b>2023206184</b>	Kosp Construction Resources Pty Ltd	<b>2024200400</b>	FORTESCUE LTD
<b>2023206235</b>	Syniverse Technologies, LLC	<b>2024200401</b>	Nevro Corp.
<b>2023208071</b>	Aizoon S.r.l.	<b>2024200402</b>	Canva Pty Ltd
<b>2023208082</b>	Harro Höfliger Verpackungsmaschinen GmbH	<b>2024200405</b>	HITIQ Limited
<b>2023208108</b>	Limco Group Pty Ltd	<b>2024200406</b>	Samsung Electronics Co., Ltd.
<b>2023223001</b>	KUMAR, D.	<b>2024200408</b>	Stryker European Operations Limited
<b>2023263559</b>	LG Electronics Inc.	<b>2024200409</b>	Fujikura Ltd.
<b>2023266237</b>	GE Video Compression, LLC	<b>2024200410</b>	LG Electronics Inc.
<b>2023270275</b>	Xencor, Inc.	<b>2024200413</b>	Air Products and Chemicals, Inc.
<b>2023285754</b>	Minesite Salvage & Recycling Pty Ltd	<b>2024200414</b>	Tight Lines Advisors, LLC
<b>2023285852</b>	Klotho Therapeutics, Inc.	<b>2024200417</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2023296338</b>	SHAANXI FUTURE ENERGY AND CHEMICALS CO., LTD.	<b>2024200418</b>	LG Electronics Inc.
<b>2024200003</b>	Cripps Clark, J.	<b>2024200422</b>	Gen-Probe Incorporated
<b>2024200282</b>	Strata Safety Products, LLC	<b>2024200423</b>	Bigfoot Biomedical, Inc.
<b>2024200288</b>	Forrest, M.	<b>2024200424</b>	Evapco, Inc.
<b>2024200296</b>	Ionis Pharmaceuticals, Inc.	<b>2024200427</b>	Howmedica Osteonics Corp.
<b>2024200309</b>	Ablynx NV	<b>2024200428</b>	NuCanaplac
<b>2024200315</b>	Neurimmune Holding AG	<b>2024200429</b>	The Procter & Gamble Company
		<b>2024200431</b>	Pharmasynthez, Joint Stock Company
		<b>2024200432</b>	Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba
		<b>2024200435</b>	Rijksuniversiteit Groningen

**Applications Open to Public Inspection - Numerical Index cont'd**

**2024200436** The Johns Hopkins University; Nacuity Pharmaceuticals, Inc.  
**2024200437** Huawei Technologies Co., Ltd.  
**2024200438** Westinghouse Air Brake Technologies Corporation  
**2024200440** Technische Universität München; Technische Universität München - Klinikum Rechts der Isar  
**2024200441** Boston Scientific Scimed, Inc.

IPC Index

<b>A01C 15 /-</b> 2023204136	<b>A61F 13 /-</b> 2023203127	<b>A61L 2 /-</b> 2024200370	<b>B05B 9 /-</b> 2023204570	<b>B65B 5 /-</b> 2023208082	<b>C07D 233 /-</b> 2024200288
<b>A01C 7 /-</b> 2023204136	<b>A61F 2 /-</b> 2023206091 2023206128 2024200387	<b>A61M 16 /-</b> 2024200417	<b>B23D 43 /-</b> 2023206091	<b>B65B 7 /-</b> 2023208082	<b>C07D 239 /-</b> 2024200431
<b>A01D 34 /-</b> 2023201856 2023204696	<b>A61F 5 /-</b> 2024200387	<b>A61M 5 /-</b> 2024200387 2024200423	<b>B25B 13 /-</b> 2024200368	<b>B65D 1 /-</b> 2023285754	<b>C07D 251 /-</b> 2024200288
<b>A01G 3 /-</b> 2023206080	<b>A61G 13 /-</b> 2023200910	<b>A61N 1 /-</b> 2024200401	<b>B25B 17 /-</b> 2024200368	<b>B65D 43 /-</b> 2023285754	<b>C07D 295 /-</b> 2024200393
<b>A01N 25 /-</b> 2024200362	<b>A61G 15 /-</b> 2023200910	<b>A61P 25 /-</b> 2024200393	<b>B25D 11 /-</b> 2023206091	<b>B65D 5 /-</b> 2023203126	<b>C07D 307 /-</b> 2024200393
<b>A01N 37 /-</b> 2024200436	<b>A61G 7 /-</b> 2023223001	<b>A61P 27 /-</b> 2022206798	<b>B25D 17 /-</b> 2023206091	<b>B65D 81 /-</b> 2024200372	<b>C07D 311 /-</b> 2024200393
<b>A01N 63 /-</b> 2024200388	<b>A61J 1 /-</b> 2023208082	<b>A61P 29 /-</b> 2024200345	<b>B27B 17 /-</b> 2023206080	<b>B65D 83 /-</b> 2023204570	<b>C07D 401 /-</b> 2024200342 2024200344 2024200431
<b>A23L 2 /-</b> 2024200361	<b>A61K 31 /-</b> 2022206771 2022206798 2024200288 2024200342 2024200393 2024200431	<b>A61P 31 /-</b> 2024200431	<b>B27N 3 /-</b> 2023206184	<b>B65D 88 /-</b> 2023285754	<b>C07D 403 /-</b> 2024200288 2024200344 2024200393
<b>A41D 1 /-</b> 2023204308	<b>A61K 35 /-</b> 2024200316 2024200348	<b>A61P 35 /-</b> 2022206771 2024200288 2024200316 2024200345	<b>B29C 65 /-</b> 2024200383	<b>B65D 90 /-</b> 2023285754	<b>C07D 413 /-</b> 2024200393
<b>A41D 13 /-</b> 2023204308	<b>A61K 38 /-</b> 2022206798 2023285852 2024200296 2024200321 2024200345	<b>A61P 37 /-</b> 2024200345	<b>B60S 5 /-</b> 2023204714	<b>B65G 53 /-</b> 2023204136	<b>C07D 419 /-</b> 2024200393
<b>A41D 31 /-</b> 2023204308	<b>A61K 39 /-</b> 2022206771 2023285852 2024200296 2024200315 2024200345	<b>A61Q 11 /-</b> 2024200429	<b>B61H 11 /-</b> 2023204346	<b>B81B 1 /-</b> 2024200435	<b>C07D 471 /-</b> 2024200431
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<b>A47B 71 /-</b> 2023206121	<b>A61K 48 /-</b> 2024200316	<b>A62B 35 /-</b> 2023201652	<b>B62D 21 /-</b> 2023204714	<b>C02F 1 /-</b> 2023296338	<b>C07D 491 /-</b> 2024200344 2024200393
<b>A47B 81 /-</b> 2023206121	<b>A61K 51 /-</b> 2024200440	<b>A63B 71 /-</b> 2024200405	<b>B62J 1 /-</b> 2022206795	<b>C02F 101 /-</b> 2023296338	<b>C07D 519 /-</b> 2024200344
<b>A47L 3 /-</b> 2023201652	<b>A61K 55 /-</b> 2024200362	<b>B01D 19 /-</b> 2024200370	<b>B63B 17 /-</b> 2024200400	<b>C02F 9 /-</b> 2023296338	<b>C07F 9 /-</b> 2024200428
<b>A61B 17 /-</b> 2023206091 2023206128 2024200387 2024200441	<b>A61K 6 /-</b> 2024200362	<b>B01D 36 /-</b> 2024200370	<b>B63B 25 /-</b> 2024200400	<b>C04B 111 /-</b> 2023206184	<b>C07H 1 /-</b> 2024200428
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<b>A61B 34 /-</b> 2024200427	<b>A61K 9 /-</b> 2022206798	<b>B01D 53 /-</b> 2024200399 2024200432	<b>B63H 1 /-</b> 2024200424	<b>C05D 1 /-</b> 2023201486	<b>C07H 21 /-</b> 2024200296
<b>A61B 5 /-</b> 2023200910 2024200405	<b>A61K 9 /-</b> 2022206798	<b>B01D 61 /-</b> 2024200370	<b>B63H 21 /-</b> 2024200400	<b>C05G 1 /-</b> 2023201486	<b>C07K 14 /-</b> 2022206771 2023285852 2024200315 2024200316
<b>A61B 6 /-</b> 2024200350	<b>A61K 9 /-</b> 2022206798	<b>B01D 63 /-</b> 2024200370	<b>B63J 3 /-</b> 2024200400	<b>C07C 229 /-</b> 2024200373	<b>C07K 16 /-</b> 2022206771 2023270275 2024200309 2024200315
<b>A61B 90 /-</b> 2024200408		<b>B01D 66 /-</b> 2024200370	<b>B63J 99 /-</b> 2024200400	<b>C07C 255 /-</b> 2024200393	<b>C07K 19 /-</b> 2024200345
		<b>B01L 3 /-</b> 2024200383	<b>B64C 15 /-</b> 2024200376	<b>C07D 205 /-</b> 2024200393	
		<b>B05B 12 /-</b> 2023204570	<b>B64D 27 /-</b> 2024200376	<b>C07D 211 /-</b> 2024200342	
			<b>B64D 29 /-</b> 2024200376	<b>C07D 221 /-</b> 2024200393	

Applications Open to Public Inspection - IPC Index cont'd

<b>C08G 18 /-</b> 2023204570	<b>E04C 2 /-</b> 2023206184	2024200345 2024200349 2024200435	<b>G06N 20 /-</b> 2023203207 2023208071 2024200413	<b>G16C 10 /-</b> 2024200423	2024200410 2024200418 2024200437
<b>C08J 5 /-</b> 2023203836	<b>E04G 17 /-</b> 2023206184	<b>G01R 15 /-</b> 2024200335	<b>G06N 3 /-</b> 2023203145 2023208071	<b>G16H 10 /-</b> 2023208071	<b>H04N 21 /-</b> 2024200402
<b>C09D 175 /-</b> 2023204570	<b>E04G 21 /-</b> 2023201652	<b>G01R 19 /-</b> 2024200335	<b>G06N 5 /-</b> 2023203207 2024200365	<b>G16H 50 /-</b> 2023208071	<b>H04N 5 /-</b> 2024200402
<b>C12M 1 /-</b> 2024200370	<b>E04G 23 /-</b> 2023201652	<b>G01S 17 /-</b> 2024200394	<b>G06N 10 /-</b> 2023204388 2024200365 2024200414	<b>H01C 7 /-</b> 2023206096	<b>H04W 72 /-</b> 2024200406
<b>C12N 15 /-</b> 2024200316 2024200345 2024200349 2024200388 2024200392	<b>E21B 47 /-</b> 2024200332	<b>G01S 19 /-</b> 2023204108	<b>G06Q 10 /-</b> 2023206179 2024200369	<b>H01G 11 /-</b> 2022206734	<b>H05C 1 /-</b> 2024200335
<b>C12N 5 /-</b> 2024200316 2024200348	<b>F02K 1 /-</b> 2024200376	<b>G01S 7 /-</b> 2024200394	<b>G06Q 20 /-</b> 2024200354	<b>H01G 9 /-</b> 2022206734	<b>No IPC Mark</b>
<b>C12N 7 /-</b> 2024200349	<b>F02M 55 /-</b> 2023206150	<b>G01V 3 /-</b> 2024200332 2024200438	<b>G06Q 30 /-</b> 2024200365	<b>H01H 39 /-</b> 2023206096	
<b>C12N 9 /-</b> 2024200321	<b>F02M 61 /-</b> 2023206150	<b>G02B 26 /-</b> 2024200391	<b>G06Q 40 /-</b> 2024200365	<b>H01L 33 /-</b> 2024200391	
<b>C12Q 1 /-</b> 2024200435	<b>F02N 11 /-</b> 2022206734	<b>G02B 6 /-</b> 2023204313 2024200358 2024200409	<b>G06Q 50 /-</b> 2024200003	<b>H01M 10 /-</b> 2022206734	
<b>C40B 30 /-</b> 2024200345	<b>F04D 19 /-</b> 2024200424	<b>G05B 17 /-</b> 2023203207	<b>G06T 17 /-</b> 2022259701	<b>H01M 50 /-</b> 2022379904	
<b>C40B 40 /-</b> 2024200345	<b>F16B 13 /-</b> 2024200398	<b>G05B 19 /-</b> 2023204696	<b>G06T 7 /-</b> 2023206108 2024200427	<b>H01R 13 /-</b> 2023204125	
<b>D06F 58 /-</b> 2023263559	<b>F16K 31 /-</b> 2023285754	<b>G05D 1 /-</b> 2023204346 2023204696	<b>G06T 9 /-</b> 2023203145	<b>H01S 3 /-</b> 2024200394	
<b>E01F 8 /-</b> 2023203836	<b>F16K 35 /-</b> 2023204384	<b>G06F 1 /-</b> 2023206115	<b>G06V 10 /-</b> 2022259701 2023203145 2023206108	<b>H01T 1 /-</b> 2023206096	
<b>E02D 27 /-</b> 2023204691	<b>F16L 3 /-</b> 2024200351 2024200397	<b>G06F 13 /-</b> 2023206115	<b>G06V 20 /-</b> 2022259701 2023206108	<b>H02H 3 /-</b> 2023206096	
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<b>E02F 9 /-</b> 2024200396	<b>F23D 23 /-</b> 2023204069	<b>G06F 18 /-</b> 2023208071	<b>G07G 1 /-</b> 2023204388	<b>H02J 3 /-</b> 2023206148	
<b>E03B 11 /-</b> 2023285754	<b>F41H 13 /-</b> 2024200335	<b>G06F 21 /-</b> 2024200003 2024200365	<b>G08B 21 /-</b> 2024200282	<b>H02J 7 /-</b> 2022206734	
<b>E03C 1 /-</b> 2023208108 2024200397	<b>G01C 11 /-</b> 2022259701	<b>G06F 30 /-</b> 2023206122	<b>G09B 9 /-</b> 2023203207	<b>H04B 10 /-</b> 2023202829	
<b>E03F 3 /-</b> 2024200397	<b>G01C 21 /-</b> 2022259701 2023204108	<b>G06N 10 /-</b> 2023202829 2023206122	<b>G10L 19 /-</b> 2024200330	<b>H04L 65 /-</b> 2023206235	
<b>E03F 5 /-</b> 2023208108	<b>G01N 21 /-</b> 2024200422	<b>G06N 10 /-</b> 2023202829 2023206122	<b>G11B 27 /-</b> 2024200402	<b>H04L 9 /-</b> 2023202829 2024200003 2024200365	
<b>E04B 1 /-</b> 2023206184	<b>G01N 33 /-</b> 2024200309 2024200315			<b>H04M 1 /-</b> 2024200357	
				<b>H04N 19 /-</b> 2023266237 2024200359 2024200360 2024200364	

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 (21) 2024100001 (22) 12.01.2024  
 (54) User interfaces for subscription applications  
 (51) Int. Cl.  
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 (45) 08.02.2024  
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 (51) Int. Cl.  
     **A01N 65/00** ( 2009.01 )  
     **A01G 24/15** ( 2018.01 )  
     **A01G 24/28** ( 2018.01 )  
     **A01H 4/00** ( 2006.01 )  
     **A01N 25/02** ( 2006.01 )  
     **A01N 37/40** ( 2006.01 )  
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 (11) AU-A-2024100000  
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 (54) Stand Pipe Apparatus  
 (51) Int. Cl.  
     **E03B 9/12** ( 2006.01 )  
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 (72) Warnock, Mark; Warnock, Gavin  
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**IPC Index**

**A01G 24 /-**

2021107689

**A01H 4 /-**

2021107689

**A01N 25 /-**

2021107689

**A01N 37 /-**

2021107689

**A01N 43 /-**

2021107689

**A01N 45 /-**

2021107689

**A01N 65 /-**

2021107689

**A01P 21 /-**

2021107689

**E03B 1 /-**

2024100000

**E03B 9 /-**

2024100000

**G06F 3 /-**

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Name Index

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<p>(71) 123LASH PTE LIMITED                      (11) AU-A-2022302859                      (21) 2022302859 (22) 28.06.2022                      (54) SECURING ASSEMBLY, BASE, AND LIFTING AID                      (51) Int. Cl.  <i>B60P 7/13</i> ( 2006.01 )  <i>B61D 45/00</i> ( 2006.01 )  <i>B63B 25/00</i> ( 2006.01 )  <i>B63B 25/28</i> ( 2006.01 )  <i>B66F 11/00</i> ( 2006.01 )                      (87) WO2023/277811                      (31) 2021901984 (32) 30.06.21 (33) AU                      (43) 05.01.2023                      (72) BEAN, David, Robin                      (74) GLMR</p>	<p>(21) 2022312170 (22) 15.07.2022                      (54) OLIGONUCLEOTIDE FOR INHIBITING QUAKING ACTIVITY                      (51) Int. Cl.  <i>C12N 15/113</i> ( 2010.01 )  <i>A61K 31/7125</i> ( 2006.01 )  <i>A61P 29/00</i> ( 2006.01 )                      (87) WO2023/285700                      (31) 21186214.9 (32) 16.07.21 (33) EP                      (43) 19.01.2023                      (72) VAN ZONNEVELD, Anton Jan; DE BRUIN, Ruben Gosewinus; PRINS, Jurriën; WAGENAAR, Gerardus Theodorus Marie; WACHOWIUS, Falk; VAN DER VEER, Eric Peter                      (74) Spruson &amp; Ferguson</p>	<p>2109377.8 29.06.21 GB                      (43) 05.01.2023                      (72) VAN BERKEL, Patricius Hendrikus Cornelis; ZAMMARCHI, Francesca                      (74) Madderns Pty Ltd</p>
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<p>(71) ABIOMED, INC.                      (11) AU-A-2022331519                      (21) 2022331519 (22) 16.08.2022                      (54) USE OF INTRACARDIAC BLOOD PUMPS AS A BRIDGE TO HIGH-RISK MEDICAL PROCEDURES                      (51) Int. Cl.  <i>G16H 20/40</i> ( 2018.01 )  <i>A61M 60/13</i> ( 2021.01 )  <i>A61M 60/174</i> ( 2021.01 )  <i>A61M 60/216</i> ( 2021.01 )  <i>A61M 60/414</i> ( 2021.01 )  <i>A61M 60/508</i> ( 2021.01 )  <i>A61M 60/829</i> ( 2021.01 )  <i>G16H 40/63</i> ( 2018.01 )  <i>G16H 50/30</i> ( 2018.01 )                      (87) WO2023/023027                      (31) 63/234,568 (32) 18.08.21 (33) US                      (43) 23.02.2023                      (72) CURRAN, Jerald Wayne; KIM, Jin Kwang                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ACURASTEM, INC.                      (11) AU-A-2022316149                      (21) 2022316149 (22) 21.07.2022                      (54) UNC13A ANTISENSE OLIGONUCLEOTIDES                      (51) Int. Cl.  <i>C12N 15/113</i> ( 2010.01 )  <i>A61K 31/7088</i> ( 2006.01 )                      (87) WO2023/004049                      (31) 63/203,409 (32) 21.07.21 (33) US                      63/364,830 17.05.22 US                      (43) 26.01.2023                      (72) CHANG, Wen-Hsuan; ICHIDA, Justin K.                      (74) Spruson &amp; Ferguson</p>	<p>(71) ALNYLAM PHARMACEUTICALS, INC.                      (11) AU-A-2022324003                      (21) 2022324003 (22) 03.08.2022                      (54) iRNA COMPOSITIONS AND METHODS FOR SILENCING ANGIOTENSINOGEN (AGT)                      (51) Int. Cl.  <i>C12N 15/113</i> ( 2010.01 )                      (87) WO2023/014765                      (31) 63/229,085 (32) 04.08.21 (33) US                      63/272,769 28.10.21 US                      (43) 09.02.2023                      (72) NIOI, Paul; MCININCH, James, D.; SCHLEGEL, Mark, K.; CASTORENO, Adam; BARRY, Joseph                      (74) Griffith Hack</p>
<p>(71) ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC                      (11) AU-A-2022312170</p>	<p>(71) ADC THERAPEUTICS SA; MEDIMUNE LIMITED                      (11) AU-A-2022302769                      (21) 2022302769 (22) 27.06.2022                      (54) COMBINATION THERAPY USING ANTI-BODY-DRUG CONJUGATES                      (51) Int. Cl.  <i>A61K 47/68</i> ( 2017.01 )  <i>A61P 35/00</i> ( 2006.01 )                      (87) WO2023/274974                      (31) 2109373.7 (32) 29.06.21 (33) GB                      2109375.2 29.06.21 GB</p>	<p>(71) ALNYLAM PHARMACEUTICALS, INC.                      (11) AU-A-2022328347                      (21) 2022328347 (22) 12.08.2022                      (54) FACTOR XII (F12) iRNA COMPOSITIONS AND METHODS OF USE THEREOF                      (51) Int. Cl.  <i>C12N 15/113</i> ( 2010.01 )                      (87) WO2023/019246                      (31) 63/232,840 (32) 13.08.21 (33) US                      (43) 16.02.2023                      (72) SCHMIDT, Karyn; SCHLEGEL, Mark, K.; CASTORENO, Adam                      (74) Griffith Hack</p>



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 G01B 11/22 ( 2006.01 )  
 G01F 11/02 ( 2006.01 )  
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 B65B 3/00 ( 2006.01 )  
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 G06N 20/00 ( 2019.01 )  
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**C08K 5/5435** ( 2006.01 )  
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**A61L 2/18** ( 2006.01 )  
**C08G 73/02** ( 2006.01 )  
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**A61P 19/08** ( 2006.01 )  
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PCT applications which have entered the National Phase - Name Index cont'd

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**A61P 11/06** ( 2006.01 )  
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**(11)** AU-A-2022323006  
**(21)** 2022323006 **(22)** 05.08.2022  
**(54)** TRANSPARENT SOLAR CELLS FOR AGRIVOLTAICS  
**(51)** Int. Cl.  
**H01L 31/0468** ( 2014.01 )  
**H01L 31/02** ( 2006.01 )  
**H02S 20/00** ( 2014.01 )  
**H02S 40/22** ( 2014.01 )  
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**(31)** 63/230,319 **(32)** 06.08.21 **(33)** US  
**(43)** 09.02.2023  
**(72)** LUNT, Richard, Royal; HERRERA, Christopher; STALLKNECHT, Eric, J.; SHARKEY, Thomas, D.; RUNKLE, Erik, S.; BATES, Matthew  
**(74)** Oxygene IP
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- (71)** BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
**(11)** AU-A-2022296509  
**(21)** 2022296509 **(22)** 21.06.2022  
**(54)** SENSOR OPERATION ADAPTED TO PATIENT BEHAVIOR  
**(51)** Int. Cl.  
**A61B 5/11** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**G06F 9/451** ( 2018.01 )  
**G08B 21/18** ( 2006.01 )  
**G08B 21/24** ( 2006.01 )  
**G16H 20/30** ( 2018.01 )  
**G16H 40/63** ( 2018.01 )  
**G16H 50/50** ( 2018.01 )  
**H02J 7/00** ( 2006.01 )  
**(87)** WO2022/271710  
**(31)** 63/213,093 **(32)** 21.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** SRIVASTAVA, Kyle Harish; MCDONALD, Matthew Lee; WOON, Rex James  
**(74)** Spruson & Ferguson
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- (71)** BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
**(11)** AU-A-2022299056  
**(21)** 2022299056 **(22)** 21.06.2022  
**(54)** CLOUD-BASED PATIENT MONITORING SYSTEM  
**(51)** Int. Cl.  
**G16H 20/30** ( 2018.01 )  
**A61B 5/00** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**G08B 1/00** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
**G08B 21/24** ( 2006.01 )  
**G16H 40/63** ( 2018.01 )  
**G16H 50/50** ( 2018.01 )
- H02J 7/00** ( 2006.01 )  
**(87)** WO2022/271706  
**(31)** 63/213,091 **(32)** 21.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** SRIVASTAVA, Kyle, Harish; MCDONALD, Matthew, Lee; WOON, Rex, James  
**(74)** Spruson & Ferguson
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- (71)** BOSTON SCIENTIFIC SCIMED, INC.  
**(11)** AU-A-2022318882  
**(21)** 2022318882 **(22)** 27.07.2022  
**(54)** ELECTRICAL FIELD VISUALIZATION FOR ELECTROPORATION CATHETER WITH MULTIPLE STATES  
**(51)** Int. Cl.  
**A61B 18/14** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 34/10** ( 2016.01 )  
**A61B 34/20** ( 2016.01 )  
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**(31)** 63/226,075 **(32)** 27.07.21 **(33)** US  
**(43)** 02.02.2023  
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**(74)** Spruson & Ferguson
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- (71)** BREVILLE PTY LIMITED  
**(11)** AU-A-2022313099  
**(21)** 2022313099 **(22)** 19.07.2022  
**(54)** STORAGE STRUCTURE FOR FOOD PROCESSING ACCESSORIES  
**(51)** Int. Cl.  
**A47J 43/06** ( 2006.01 )  
**A47J 43/07** ( 2006.01 )  
**(87)** WO2023/000029  
**(31)** 2021902209 **(32)** 19.07.21 **(33)** AU  
**(43)** 26.01.2023  
**(72)** THOMAS, Mark Anthony; MOORE, Simon Peter  
**(74)** GLMR
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- (71)** BWXT NUCLEAR ENERGY, INC.; ELLIS, E.  
**(11)** AU-A-2022328635  
**(21)** 2022328635 **(22)** 26.05.2022  
**(54)** METHODS OF MANUFACTURING OF MOLYBDENUM AND MOLYBDENUM-BASED STRUCTURES BY ELECTRON BEAM ADDITIVE MANUFACTURING, PARTICULARLY STRUCTURES FOR NUCLEAR COMPONENTS  
**(51)** Int. Cl.  
**B29C 64/153** ( 2017.01 )  
**B22F 10/36** ( 2021.01 )  
**B33Y 50/02** ( 2015.01 )  
**H01J 37/305** ( 2006.01 )  
**(87)** WO2023/022773  
**(31)** 63/226,099 **(32)** 27.07.21 **(33)** US  
63/226,959 25.05.22 US  
**(43)** 23.02.2023  
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MCFALLS, Travis Adam  
**(74)** Spruson & Ferguson
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LEGE OF PHARMACY, LLC  
**(11)** AU-A-2022316872  
**(21)** 2022316872 **(22)** 14.07.2022  
**(54)** MULTILAYER MICROFLUIDICS SYS-  
TEMS AND METHODS  
**(51)** Int. Cl.  
**B01F 33/30** ( 2022.01 )  
**C12M 3/00** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2023/009327  
**(31)** 17/865,021 **(32)** 14.07.22 **(33)** US  
63/226,733 28.07.21 US  
**(43)** 02.02.2023  
**(72)** AHSAN, Fakhru  
**(74)** Baxter Patent Attorneys Pty Ltd
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- (71)** CAREFUSION 303, INC.  
**(11)** AU-A-2022314562  
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**(54)** LEVERED IV FLOW REGULATION  
CLAMP ASSEMBLY  
**(51)** Int. Cl.  
**A61M 39/28** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
**(87)** WO2023/003690  
**(31)** 63/223,436 **(32)** 19.07.21 **(33)** US  
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**(72)** DESAI, Aman; AGARWAL, Apurva  
Vikram; JADHAV, Amarsinh Deeliprao  
**(74)** FB Rice Pty Ltd
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- (71)** CARLSMED, INC.  
**(11)** AU-A-2022301055  
**(21)** 2022301055 **(22)** 28.06.2022  
**(54)** PATIENT-SPECIFIC ADJUSTMENT  
OF SPINAL IMPLANTS, AND ASSOCI-  
ATED SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
**A61B 17/70** ( 2006.01 )  
**(87)** WO2023/278385  
**(31)** 63/215,784 **(32)** 28.06.21 **(33)** US  
**(43)** 05.01.2023  
**(72)** CORDONNIER, Michael J.; CASEY, Ni-  
all Patrick; HUSSAIN, Shariq  
**(74)** FB Rice Pty Ltd
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- (71)** CASALE SA  
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**(21)** 2022343820 **(22)** 12.08.2022  
**(54)** BURNER FOR SYNTHESIS GAS  
WITH IMPROVED COOLING  
**(51)** Int. Cl.  
**F23D 14/22** ( 2006.01 )  
**F23D 14/58** ( 2006.01 )  
**(87)** WO2023/036559  
**(31)** 21195582.8 **(32)** 08.09.21 **(33)** EP  
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MONTINI, Fabiano  
**(74)** MINTER ELLISON
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- (71)** CASSAVA SCIENCES, INC.  
**(11)** AU-A-2022348976  
**(21)** 2022348976 **(22)** 22.07.2022  
**(54)** BLOOD-BASED DIAGNOSTIC AS-  
SAYS FOR ALZHEIMER'S DISEASE  
**(51)** Int. Cl.  
**C07K 14/435** ( 2006.01 )  
**C07K 14/46** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**(87)** WO2023/049541  
**(31)** 63/225,423 **(32)** 23.07.21 **(33)** US  
**(43)** 30.03.2023  
**(72)** PIKE, Ian; BREMANG, Michael;  
THORNTON, George  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022315141  
**(21)** 2022315141 **(22)** 06.07.2022  
**(54)** MARINE PROPULSION CONTROL  
SYSTEM WITH SYNCHRONIZED  
TROLL AND METHOD OF OPERA-  
TION  
**(51)** Int. Cl.  
**B63H 23/30** ( 2006.01 )  
**B63H 21/21** ( 2006.01 )  
**(87)** WO2023/003692  
**(31)** 17/383,571 **(32)** 23.07.21 **(33)** US  
**(43)** 26.01.2023  
**(72)** NEATHERY, Brian P.; GANDY, Camer-  
on S.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022316057  
**(21)** 2022316057 **(22)** 06.07.2022  
**(54)** CONTROL SYSTEM AND METHOD  
FOR CONTROLLING MARINE VES-  
SELS  
**(51)** Int. Cl.  
**B63H 21/21** ( 2006.01 )  
**B63H 21/22** ( 2006.01 )  
**B63H 23/28** ( 2006.01 )  
**B63H 25/42** ( 2006.01 )  
**B63H 20/00** ( 2006.01 )  
**B63H 25/02** ( 2006.01 )  
**(87)** WO2023/003691  
**(31)** 17/443,185 **(32)** 22.07.21 **(33)** US  
**(43)** 26.01.2023  
**(72)** NEATHERY, Brian Philip; GANDY,  
Cameron Scott  
**(74)** Patent Attorney Services
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**(11)** AU-A-2022316863  
**(21)** 2022316863 **(22)** 06.07.2022  
**(54)** MODULAR SHIFT PROTECTION AL-  
GORITHM FOR MARINE VESSEL  
**(51)** Int. Cl.  
**B63H 23/08** ( 2006.01 )  
**B63H 23/30** ( 2006.01 )  
**F16H 61/16** ( 2006.01 )  
**B63H 21/21** ( 2006.01 )  
**F16H 59/36** ( 2006.01 )  
**(87)** WO2023/009282  
**(31)** 17/443,718 **(32)** 27.07.21 **(33)** US
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- (43)** 02.02.2023  
**(72)** CALLAGHAN, Merritt P.; GANDY,  
Cameron S.; NEATHERY, Brian P.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022316878  
**(21)** 2022316878 **(22)** 20.07.2022  
**(54)** BEARING MATERIALS FOR TRICONE  
BIT ROLLING ELEMENTS  
**(51)** Int. Cl.  
**F16C 19/16** ( 2006.01 )  
**F16C 19/26** ( 2006.01 )  
**F16C 19/54** ( 2006.01 )  
**F16C 33/32** ( 2006.01 )  
**F16C 33/34** ( 2006.01 )  
**(87)** WO2023/009357  
**(31)** 202111034145 **(32)** 29.07.21 **(33)** IN  
**(43)** 02.02.2023  
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Thomas J.; PERSHING, Michael A.;  
BLINDT, Todd M.; JOHNSTON, Scott  
A.; NUSZ, Timothy F.; APPAVU, Akilan;  
BARGFREDE, Benjamin J.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022318614  
**(21)** 2022318614 **(22)** 06.07.2022  
**(54)** SYSTEMS AND METHODS FOR  
IDENTIFYING MACHINE MODIFICA-  
TIONS FOR IMPROVED PRODUCTIV-  
ITY  
**(51)** Int. Cl.  
**G06Q 10/04** ( 2023.01 )  
**G06Q 50/02** ( 2012.01 )  
**G06Q 50/08** ( 2012.01 )  
**(87)** WO2023/009279  
**(31)** 17/390,442 **(32)** 30.07.21 **(33)** US  
**(43)** 02.02.2023  
**(72)** VILLERO, David A.; CLINE, Kyle J.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022318615  
**(21)** 2022318615 **(22)** 06.07.2022  
**(54)** SYSTEMS AND METHODS FOR  
DETERMINING EXTENDED WAR-  
RANTY PRICING BASED ON MA-  
CHINE ACTIVITY  
**(51)** Int. Cl.  
**G06Q 30/00** ( 2023.01 )  
**G06Q 10/00** ( 2023.01 )  
**(87)** WO2023/009280  
**(31)** 17/389,043 **(32)** 29.07.21 **(33)** US  
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**(72)** RAI, Prashant; CLINE, Kyle J.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022319609  
**(21)** 2022319609 **(22)** 01.07.2022  
**(54)** DUAL FUEL TANK SYSTEM WITH IN-  
TERNALLY MOUNTED FUEL TANKS  
IN LINE WITH ACTUATORS  
**(51)** Int. Cl.

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**B60K 15/063** ( 2006.01 )  
**B60K 15/073** ( 2006.01 )  
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**(43)** 02.02.2023  
**(72)** RILLIE, JR., Hugh; THOMPSON, Sean W.; MAHONEY, Jason A.  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.; ASIATRAK (TIANJIN) LTD.  
**(11)** AU-A-2022319625  
**(21)** 2022319625 **(22)** 20.07.2022  
**(54)** TRACK LINK HAVING SENSOR-RECEIVING CAVITIES  
**(51)** Int. Cl.  
**B62D 55/21** ( 2006.01 )  
**(87)** WO2023/009356  
**(31)** 17/443,520 **(32)** 27.07.21 **(33)** US  
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**(72)** KALMES, Donald J.; SHOEMAKER, William, P.; ZHOU, Yaodong; ZHANG, Li  
**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022319632  
**(21)** 2022319632 **(22)** 22.07.2022  
**(54)** REPLACEABLE WEAR PLATE  
**(51)** Int. Cl.  
**E02F 9/28** ( 2006.01 )  
**(87)** WO2023/009391  
**(31)** 17/387,463 **(32)** 28.07.21 **(33)** US  
**(43)** 02.02.2023  
**(72)** SERRURIER, Douglas C.; YOUNG, Andrew W.; HARTOONIAN-PARIZEK, Graham R.  
**(74)** Patent Attorney Services
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- (71)** CATHRX LTD  
**(11)** AU-A-2022334969  
**(21)** 2022334969 **(22)** 06.06.2022  
**(54)** A MULTI-ELECTRODE PULSED FIELD ABLATION CATHETER FOR CREATION OF SPOT LESIONS  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
**A61B 18/18** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**(87)** WO2023/026106  
**(31)** 63/236,746 **(32)** 25.08.21 **(33)** US  
**(43)** 02.03.2023  
**(72)** MECKES, Daniel; ASSI, Milanjot Singh; FONG, Ian Kim Seng; PAN, Pengjin  
**(74)** Alder IP Pty Ltd
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- (71)** CATTARUZZI INTERNATIONAL S.R.L.  
**(11)** AU-A-2022315036  
**(21)** 2022315036 **(22)** 11.07.2022  
**(54)** METHOD FOR THE STUNNING BY GAS AND SLAUGHTER BY DECOMPRESSION OF ANIMALS
- (51)** Int. Cl.  
**A22B 3/00** ( 2006.01 )  
**(87)** WO2023/002299  
**(31)** 102021000019343 **(32)** 21.07.21 **(33)** IT  
**(43)** 26.01.2023  
**(72)** CATTARUZZI, Giacomo  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** CENTRE HOSPITALIER UNIVERSITAIRE DE MONTPELLIER; UNIVERSITÉ DE MONTPELLIER; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE  
**(11)** AU-A-2022320853  
**(21)** 2022320853 **(22)** 21.07.2022  
**(54)** METHOD FOR CHARACTERISING A TUMOUR  
**(51)** Int. Cl.  
**G01N 33/574** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2023/006588  
**(31)** FR2108279 **(32)** 29.07.21 **(33)** FR  
**(43)** 02.02.2023  
**(72)** RIVALS, Eric; HIRTZ, Christophe; DAVID, Alexandre; RELLIER, Sébastien; BAUCHET, Luc  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** CEPHALON LLC  
**(11)** AU-A-2022317808  
**(21)** 2022317808 **(22)** 28.07.2022  
**(54)** COMPOSITIONS AND METHODS FOR ANTI-PACAP ANTIBODIES  
**(51)** Int. Cl.  
**C07K 16/26** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**(87)** WO2023/010065  
**(31)** 63/226,875 **(32)** 29.07.21 **(33)** US  
**(43)** 02.02.2023  
**(72)** DOYLE, Anthony Gerard; CLARKE, Adam; BUTT, Danyal; LAINE, David; MACRAE, Hugh; VO, Jenny; ROZENFELD, Julia; SURADE, Sachin  
**(74)** RnB IP
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- (71)** CERTAIN TEED GYPSUM, INC.  
**(11)** AU-A-2022467173  
**(21)** 2022467173 **(22)** 28.06.2022  
**(54)** JOINT SUPPORT INCLUDING ADHESIVE LAYER, SYSTEM INCLUDING JOINT SUPPORT, AND METHOD OF USE  
**(51)** Int. Cl.  
**E04F 13/06** ( 2006.01 )  
**(87)** WO2024/005779  
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**(72)** RADFORD, Craig, Douglas; MOLLOY, Thomas, C.  
**(74)** Spruson & Ferguson
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- (71)** CHAITOWITZ, I.  
**(11)** AU-A-2022301440  
**(21)** 2022301440 **(22)** 28.06.2022
- (54)** GYNECOMASTIA AND/OR MASTALGIA TREATMENT  
**(51)** Int. Cl.  
**A61K 31/138** ( 2006.01 )  
**A61K 31/366** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61K 31/4196** ( 2006.01 )  
**A61K 31/4535** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
**(87)** WO2023/275088  
**(31)** 2109385.1 **(32)** 29.06.21 **(33)** GB  
 2206703.7 08.05.22 GB  
**(43)** 05.01.2023  
**(72)** CHAITOWITZ, Ilan  
**(74)** LAMINAR IP PTY LTD
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- (71)** CHATTEM, INC.  
**(11)** AU-A-2021457819  
**(21)** 2021457819 **(22)** 28.07.2021  
**(54)** SYSTEMS AND METHODS FOR PROVIDING A NONPRESCRIPTION DRUG  
**(51)** Int. Cl.  
**G16H 10/60** ( 2018.01 )  
**G16H 10/20** ( 2018.01 )  
**G16H 20/10** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
**G16H 70/40** ( 2018.01 )  
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**(72)** SHAH, Mridul; GUPTA, Alankar; RAHMAN, Shahper; MCGRRAW, Thomas; SENTER, Lindsey; CHARALAMBIDES, Gina; METCALF, Claudia; HOUSEWORTH, Paul; WYATT, Geoff; BISSONNETTE, Stephane  
**(74)** WRAYS PTY LTD
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- (71)** CHENGDU ADVANCED METAL MATERIALS INDUSTRY TECHNOLOGY RESEARCH INSTITUTE CO., LTD  
**(11)** AU-A-2022386411  
**(21)** 2022386411 **(22)** 05.07.2022  
**(54)** METHOD FOR DIRECTLY PREPARING VO2 BY USING VANADIUM TRIISOPROPOXIDE OXIDE AS VANADIUM SOURCE  
**(51)** Int. Cl.  
**C01G 31/02** ( 2006.01 )  
**(87)** WO2023/082670  
**(31)** 202111318671.9 **(32)** 09.11.21 **(33)** CN  
**(43)** 19.05.2023  
**(72)** WEN, Junwei; LIU, Bo; XIN, Yanan; YANG, Yadong  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** CHINA UNIVERSITY OF PETROLEUM (EAST CHINA)  
**(11)** AU-A-2022333153  
**(21)** 2022333153 **(22)** 05.09.2022  
**(54)** METHOD FOR EVALUATING PERMEABILITY OF HYDRATE-BEARING SEDIMENT  
**(51)** Int. Cl.  
**G01N 15/08** ( 2006.01 )  
**(87)** WO2023/025326  
**(31)** 202210883800.7 **(32)** 26.07.22 **(33)** CN  
 202210883799.8 26.07.22 CN

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 (74) Lawsci LIANG
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 (11) AU-A-2022313877  
 (21) 2022313877 (22) 19.07.2022  
 (54) SYSTEMS AND METHODS FOR GENETICS-BASED ANALYTICS OF HEALTH, FITNESS AND SPORTS PERFORMANCE  
 (51) Int. Cl.  
 G01N 33/53 (2006.01)  
 G16H 50/30 (2018.01)  
 (87) WO2023/003876  
 (31) 63/223,707 (32) 20.07.21 (33) US  
 (43) 26.01.2023  
 (72) UYS, Gerrida; CONNING, Mariette  
 (74) FB Rice Pty Ltd
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- (71) CIPHERX TECHNOLOGIES LTD  
 (11) AU-A-2022299614  
 (21) 2022299614 (22) 27.06.2022  
 (54) METHOD OF PRODUCING A MICRONEEDLE ARRAY, MICRONEEDLE ARRAY AND USE THEREOF  
 (51) Int. Cl.  
 A61M 37/00 (2006.01)  
 B29C 39/02 (2006.01)  
 G03F 7/00 (2006.01)  
 (87) WO2022/269295  
 (31) 2109228.3 (32) 25.06.21 (33) GB  
 (43) 29.12.2022  
 (72) KOHLE, Ferdinand  
 (74) Michael Buck IP
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- (71) CLESTRAL  
 (11) AU-A-2022319908  
 (21) 2022319908 (22) 26.07.2022  
 (54) SYSTEM FOR THE CONTINUOUS PREPARATION OF A FOOD PRODUCT EXTRUDED FROM A PROTEIN-RICH AND WATER-RICH MATERIAL  
 (51) Int. Cl.  
 A23P 30/20 (2016.01)  
 B29C 48/30 (2019.01)  
 (87) WO2023/006713  
 (31) FR2108134 (32) 27.07.21 (33) FR  
 (43) 02.02.2023  
 (72) DANOS, Lionel; ASENSIO, Luis; MOTTAZ, Jérôme  
 (74) Davies Collison Cave Pty Ltd
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- (71) CLOOZZ LTD  
 (11) AU-A-2022331227  
 (21) 2022331227 (22) 20.07.2022  
 (54) HANDLE EXTENSION TO AID THREADING A BUTTON THROUGH A HOLE  
 (51) Int. Cl.  
 F16B 17/00 (2006.01)  
 F16B 4/00 (2006.01)
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- G02C 11/02 (2006.01)  
 (87) WO2023/021501  
 (31) 63/233,278 (32) 15.08.21 (33) US  
 (43) 23.02.2023  
 (72) BATASH, Itzhak  
 (74) LAMINAR IP PTY LTD
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- (71) COLGATE-PALMOLIVE COMPANY  
 (11) AU-A-2022328287  
 (21) 2022328287 (22) 12.08.2022  
 (54) ORAL CARE COMPOSITIONS  
 (51) Int. Cl.  
 A61K 8/22 (2006.01)  
 A61K 8/34 (2006.01)  
 A61Q 11/00 (2006.01)  
 (87) WO2023/018979  
 (31) 63/232,985 (32) 13.08.21 (33) US  
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 (72) DONG, Rong; CHOPRA, Suman; SZEWCZYK, Gregory  
 (74) Spruson & Ferguson
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- (71) COLGATE-PALMOLIVE COMPANY  
 (11) AU-A-2022328379  
 (21) 2022328379 (22) 09.08.2022  
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 (51) Int. Cl.  
 A61Q 11/00 (2006.01)  
 A61K 8/02 (2006.01)  
 A61K 8/19 (2006.01)  
 A61K 8/24 (2006.01)  
 A61K 8/25 (2006.01)  
 A61K 8/27 (2006.01)  
 A61K 8/73 (2006.01)  
 A61K 8/86 (2006.01)  
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 (31) 63/231,553 (32) 10.08.21 (33) US  
 (43) 16.02.2023  
 (72) EVANS, Lauren; BOCZON, Katarzyna; KOCINSKA, Agnieszka; JOSIAS, Wilbens; MALONEY, Vanda Porter; AMOAFI, Michael  
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- (71) COLGATE-PALMOLIVE COMPANY  
 (11) AU-A-2022335358  
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 (54) ORAL CARE COMPOSITIONS AND METHODS  
 (51) Int. Cl.  
 A61K 8/19 (2006.01)  
 A61K 8/20 (2006.01)  
 A61K 8/21 (2006.01)  
 A61K 8/24 (2006.01)  
 A61Q 11/00 (2006.01)  
 (87) WO2023/028081  
 (31) 63/235,918 (32) 23.08.21 (33) US  
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 (72) MYERS, Carl; GOVINDARAJU, Gokul  
 (74) Spruson & Ferguson
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- (71) CONCEALFAB, INC.  
 (11) AU-A-2022335261  
 (21) 2022335261 (22) 14.06.2022  
 (54) LOW-PIM DUAL PIPE CLAMP FOR CELLULAR BASE STATION ANTENNA SITES
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 F16B 7/04 (2006.01)  
 F16B 7/18 (2006.01)  
 H01Q 1/12 (2006.01)  
 E04H 12/20 (2006.01)  
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 (72) STRISHOCK, Wayne  
 (74) IPihany Limited
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- (71) COREBON AB  
 (11) AU-A-2022314142  
 (21) 2022314142 (22) 07.07.2022  
 (54) MOLDING TOOL, METHOD OF MANUFACTURING THE SAME AND METHOD OF PRODUCING A COMPOSITE PART IN SAID TOOL  
 (51) Int. Cl.  
 B29C 70/44 (2006.01)  
 B29C 35/08 (2006.01)  
 H05B 6/10 (2006.01)  
 H05B 6/36 (2006.01)  
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 (72) FROGNER, Kenneth; KJELLSTRAND, Rasmus; SIESING, Leif  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) CORNING INCORPORATED  
 (11) AU-A-2022318888  
 (21) 2022318888 (22) 27.07.2022  
 (54) COMPOSITE STRUCTURES, HEATER APPARATUS, FAST LIGHT-OFF EXHAUST AFTERTREATMENT SYSTEMS, AND METHODS OF MANUFACTURING AND USING SAME  
 (51) Int. Cl.  
 B22F 3/11 (2006.01)  
 C22C 29/06 (2006.01)  
 C22C 29/12 (2006.01)  
 C22C 29/16 (2006.01)  
 C22C 32/00 (2006.01)  
 F01N 3/20 (2006.01)  
 F01N 3/28 (2006.01)  
 B22F 7/06 (2006.01)  
 (87) WO2023/009575  
 (31) 63/226,455 (32) 28.07.21 (33) US  
 (43) 02.02.2023  
 (72) BEALL, Douglas Munroe; DESHMANE, Vishwanath Ganpat  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2022321945  
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 (54) TILES OR SLABS OF COMPACTED CERAMIC MATERIAL  
 (51) Int. Cl.  
 C04B 33/13 (2006.01)  
 C03C 14/00 (2006.01)  
 C04B 33/04 (2006.01)  
 C04B 33/14 (2006.01)  
 C04B 33/24 (2006.01)  
 C04B 33/32 (2006.01)  
 C04B 33/34 (2006.01)  
 C04B 35/22 (2006.01)

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**E04C 2/04** ( 2006.01 )  
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**(72)** ÁLVAREZ DE DIEGO, Javier; BENITO LÓPEZ, José Manuel  
**(74)** Michael Buck IP

**(71)** CRAFT IRISH DISTILLING CO. LIMITED  
**(11)** AU-A-2022305010  
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**(54)** TASTING GLASS  
**(51)** Int. Cl.  
**A47G 19/22** ( 2006.01 )  
**C03C 3/093** ( 2006.01 )  
**(87)** WO2023/275511  
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**(43)** 05.01.2023  
**(72)** RUSSO, Tiago; MARTINS, Katia  
**(74)** Clark Intellectual Property Pty Ltd

**(71)** CUBIC TELECOM LIMITED  
**(11)** AU-A-2022317220  
**(21)** 2022317220 **(22)** 26.07.2022  
**(54)** VEHICLE DATA  
**(51)** Int. Cl.  
**H04L 45/02** ( 2022.01 )  
**H04L 12/66** ( 2006.01 )  
**H04L 45/302** ( 2022.01 )  
**H04L 45/745** ( 2022.01 )  
**H04L 47/2441** ( 2022.01 )  
**H04W 4/40** ( 2018.01 )  
**H04W 4/44** ( 2018.01 )  
**H04W 4/46** ( 2018.01 )  
**H04W 4/48** ( 2018.01 )  
**(87)** WO2023/006716  
**(31)** 2110791.7 **(32)** 27.07.21 **(33)** GB  
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**(72)** MONAHAN, Frank; POWER, Damian; CONCANNON, Marc; NAPIER, Barry  
**(74)** WRAYS PTY LTD

**(71)** CYTIVA BIOPROCESS R&D AB  
**(11)** AU-A-2022338967  
**(21)** 2022338967 **(22)** 24.08.2022  
**(54)** MODIFIED KAPPA LIGHT CHAIN-BINDING POLYPEPTIDES  
**(51)** Int. Cl.  
**C07K 14/195** ( 2006.01 )  
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**(87)** WO2023/030995  
**(31)** 2112386.4 **(32)** 31.08.21 **(33)** GB  
**(43)** 09.03.2023  
**(72)** ANDER, Mats; GALLI, Joakim; JONSSON, Andreas, L; RODRIGO, Gustav  
**(74)** Davies Collison Cave Pty Ltd

**(71)** CYTOKINETICS, INC.  
**(11)** AU-A-2022325141  
**(21)** 2022325141 **(22)** 02.08.2022  
**(54)** PROCESS FOR PREPARING AFICAMTEN  
**(51)** Int. Cl.  
**C07D 413/12** ( 2006.01 )

**C07C 253/30** ( 2006.01 )  
**C07C 255/58** ( 2006.01 )  
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**(72)** ANDERSEN, Denise; PFEIFFER, Matthew; TOM, Norma; MORGAN, Bradley P.  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-A-2022304700  
**(21)** 2022304700 **(22)** 17.06.2022  
**(54)** COMPOSITIONS AND METHODS TO COUNTERACT PROCESSES ASSOCIATED WITH INFLAMMATION AND SENEESCENCE AND TO SUPPORT CELLULAR ENERGY AND/OR METABOLISM  
**(51)** Int. Cl.  
**A23L 33/105** ( 2016.01 )  
**A23L 2/38** ( 2021.01 )  
**A23L 5/43** ( 2016.01 )  
**A23P 10/28** ( 2016.01 )  
**A23P 10/30** ( 2016.01 )  
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**(43)** 05.01.2023  
**(72)** POND, Hartley  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Dark Arts Surf  
**(11)** AU-A-2022312943  
**(21)** 2022312943 **(22)** 31.10.2022  
**(54)** Surfboard layup system and method  
**(51)** Int. Cl.  
**B63B 32/40** ( 2020.01 )  
**(31)** 17/872,550 **(32)** 25.07.22 **(33)** US  
**(43)** 08.02.2024  
**(72)** TERNES, Justin  
**(74)** RnB IP Pty Ltd

**(71)** DEBIOPHARM INTERNATIONAL S.A.  
**(11)** AU-A-2022300316  
**(21)** 2022300316 **(22)** 22.06.2022  
**(54)** NOVEL COMPOUNDS AND THEIR USE  
**(51)** Int. Cl.  
**A61P 31/04** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
**A61K 31/551** ( 2006.01 )  
**C07D 491/107** ( 2006.01 )  
**(87)** WO2022/268890  
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**(72)** GERUSZ, Vincent; FINN, Terry; PAULS, Heinz; BERMAN, Judd; BRAVO, Juan  
**(74)** Spruson & Ferguson

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**(11)** AU-A-2022335654  
**(21)** 2022335654 **(22)** 12.08.2022

**(54)** AUTOREGRESSIVELY GENERATING SEQUENCES OF DATA ELEMENTS DEFINING ACTIONS TO BE PERFORMED BY AN AGENT  
**(51)** Int. Cl.  
**G06N 3/04** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
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**(72)** REED, Scott Ellison; ZOLNA, Konrad; PARISOTTO, Emilio; EREZ, Tom; NOVIKOV, Alexander; RAE, Jack William; DENIL, Misha Man Ray; GOMES DE FREITAS, Joao Ferdinando; VINYALS, Oriol; GOMEZ, Sergio; EDWARDS, Ashley Deloris; BRUCE, Jacob; BARTH-MARON, Gabriel  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** DEERE & COMPANY; IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC.  
**(11)** AU-A-2022319711  
**(21)** 2022319711 **(22)** 27.07.2022  
**(54)** MEASURING SEED COTTON PROPERTIES USING NEAR INFRARED SENSING  
**(51)** Int. Cl.  
**A01D 46/08** ( 2006.01 )  
**(87)** WO2023/009581  
**(31)** 63/203,549 **(32)** 27.07.21 **(33)** US  
**(43)** 02.02.2023  
**(72)** WIGDAHL, Jeffrey, S.; ASKEY, Jeffrey, C.; JUST, John, P.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** DE GREEF'S WAGEN-, CARROSSERIE- EN MACHINEBOUW B.V.  
**(11)** AU-A-2022320451  
**(21)** 2022320451 **(22)** 26.07.2022  
**(54)** A PACKAGING DEVICE AND SORTING SYSTEM FOR DIRECTIONAL PACKAGING OF PRODUCTS, SUCH AS VEGETABLES AND FRUIT, AND A METHOD THEREFOR  
**(51)** Int. Cl.  
**B65B 5/08** ( 2006.01 )  
**B65B 5/10** ( 2006.01 )  
**B65B 25/04** ( 2006.01 )  
**B65B 35/58** ( 2006.01 )  
**B65B 57/14** ( 2006.01 )  
**(87)** WO2023/008998  
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**(72)** NIJLAND, Wilhelm Jan  
**(74)** Spruson & Ferguson

**(71)** DELTATEK OIL TOOLS LIMITED  
**(11)** AU-A-2022326847  
**(21)** 2022326847 **(22)** 02.08.2022  
**(54)** OFFSHORE DRILLING APPARATUS AND METHODS  
**(51)** Int. Cl.  
**E21B 17/07** ( 2006.01 )  
**E21B 17/08** ( 2006.01 )  
**E21B 19/09** ( 2006.01 )



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- (71) DESERT HARVEST, INC.  
 (11) AU-A-2022328249  
 (21) 2022328249 (22) 01.08.2022  
 (54) NOVEL METHOD FOR THE PRODUCTION OF CONCENTRATED ALOE VERA COMPOSITIONS AND THERAPEUTIC USES FOR THE SAME  
 (51) Int. Cl.  
 A61K 36/886 (2006.01)  
 A61P 13/10 (2006.01)  
 C07H 15/244 (2006.01)  
 (87) WO2023/018570  
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 (72) FLORIO, Heather  
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 (11) AU-A-2021294599  
 (21) 2021294599 (22) 21.06.2021  
 (54) A SMOKING TIP  
 (51) Int. Cl.  
 A24D 3/10 (2006.01)  
 A24F 15/12 (2006.01)  
 A24F 17/00 (2006.01)  
 B01D 39/18 (2006.01)  
 B32B 27/10 (2006.01)  
 B32B 29/02 (2006.01)  
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 (72) DIMOPOULOS, Malan; DIMOPOULOS, Greg  
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- (71) DIRAQ PTY LTD  
 (11) AU-A-2022317520  
 (21) 2022317520 (22) 29.07.2022  
 (54) SYSTEM AND METHOD FOR CONTROLLING QUANTUM PROCESSING ELEMENTS  
 (51) Int. Cl.  
 G06N 10/40 (2022.01)  
 B82Y 10/00 (2011.01)  
 (87) WO2023/004469  
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 (72) HANSEN, Ingvild; SEEDHOUSE, Amanda Elizabeth; SARAIVA DE OLIVEIRA, André Luiz; YANG, Chih-Hwan Henry; LAUCHT, Arne; DZURAK, Andrew Steven  
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- (71) DOMETIC SWEDEN AB  
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 (21) 2022317094 (22) 23.06.2022  
 (54) VENTILATION UNIT AND RECREATIONAL VEHICLE WITH A VENTILATION UNIT  
 (51) Int. Cl.  
 C11D 3/37 (2006.01)  
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 (72) IZMITLI, Aslin; MITCHELL, Michael C.; PULUKKODY, Randara; SATHIOSATH-AM, Muhunthan; TULCHINSKY, Michael L.; WASSERMAN, Eric  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY  
 (11) AU-A-2022309881  
 (21) 2022309881 (22) 13.07.2022  
 (54) CLEANING BOOSTER  
 (51) Int. Cl.  
 C11D 3/00 (2006.01)  
 C11D 3/30 (2006.01)  
 C11D 3/33 (2006.01)  
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 (31) 63/222,450 (32) 16.07.21 (33) US  
 (43) 19.01.2023  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY  
 (11) AU-A-2022311786  
 (21) 2022311786 (22) 13.07.2022  
 (54) LIQUID LAUNDRY DETERGENT FORMULATION  
 (51) Int. Cl.  
 C11D 3/00 (2006.01)  
 C11D 3/30 (2006.01)  
 C11D 3/33 (2006.01)  
 (87) WO2023/287836  
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 (43) 19.01.2023  
 (72) IZMITLI, Aslin; MITCHELL, Michael C.; PULUKKODY, Randara; SATHIOSATH-AM, Muhunthan; TULCHINSKY, Michael L.; WASSERMAN, Eric  
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(51) Int. Cl.  
**C07K 14/195** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/74** ( 2006.01 )  
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(72) MILLEN, Anne M.; ROMERO, Dennis;  
SIMDON, Laura  
(74) Oxygene IP
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AE2INTERACTIVE, INC.  
(11) AU-A-2022301944  
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(54) CAPTURING AND ROUTING IOT  
DEVICE COMMUNICATIONS TO  
PROVIDE OFFERS AND CONDUCT  
TRANSACTIONS  
(51) Int. Cl.  
**G06Q 10/08** ( 2023.01 )  
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(72) PARLOTTO, Michael; HARBINSON,  
George, W.; WATTS, Dustin, B.;  
CHILDERS, Patrick  
(74) Spruson & Ferguson
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(11) AU-A-2022311806  
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(54) ALUMINUM ANODE, ALUMINUM  
ELECTROCHEMICAL CELL, AND  
BATTERY INCLUDING THE ALUMINUM  
ANODE  
(51) Int. Cl.  
**C22C 21/06** ( 2006.01 )  
**H01M 4/02** ( 2006.01 )  
**C22C 21/16** ( 2006.01 )  
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(51) Int. Cl.  
**C09K 8/54** ( 2006.01 )  
**C02F 5/12** ( 2023.01 )  
**C07C 227/08** ( 2006.01 )  
**C10G 75/02** ( 2006.01 )  
**C10L 10/04** ( 2006.01 )  
**C11D 1/62** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
**C23F 11/14** ( 2006.01 )  
**C23F 11/173** ( 2006.01 )  
**D06M 15/00** ( 2006.01 )  
**C10N 30/12** ( 2006.01 )  
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(72) DHAWAN, Ashish; MOLONEY, Jeremy;  
SILVERNAIL, Carter Martin  
(74) Spruson & Ferguson
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- (71) EEKOWALL LIMITED  
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(21) 2022321905 (22) 27.06.2022  
(54) WALL PANEL  
(51) Int. Cl.  
**E04B 1/61** ( 2006.01 )  
**E04B 2/74** ( 2006.01 )  
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(31) 2111142.2 (32) 02.08.21 (33) GB  
(43) 09.02.2023  
(72) PLATT, Derek; REILLY, Michael  
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(54) WALL PANEL  
(51) Int. Cl.  
**E04B 1/61** ( 2006.01 )  
**E04B 2/74** ( 2006.01 )  
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(31) 2109234.1 (32) 25.06.21 (33) GB  
(43) 29.12.2022  
(72) PLATT, Derek; REILLY, Michael  
(74) Spruson & Ferguson
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(11) AU-A-2022297891  
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(54) WALL PANEL  
(51) Int. Cl.  
**E04B 1/61** ( 2006.01 )  
**E04B 2/74** ( 2006.01 )  
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(31) 2109232.5 (32) 25.06.21 (33) GB  
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(72) PLATT, Derek; REILLY, Michael  
(74) Spruson & Ferguson
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(21) 2022299665 (22) 27.06.2022  
(54) WALL PANEL  
(51) Int. Cl.  
**E04B 1/61** ( 2006.01 )  
**E04B 2/74** ( 2006.01 )  
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(31) 2109233.3 (32) 25.06.21 (33) GB  
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(72) PLATT, Derek; REILLY, Michael  
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- (71) ELECTRICA LIVE (UK) LIMITED  
(11) AU-A-2022299606  
(21) 2022299606 (22) 22.06.2022  
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RANGEMENT  
(51) Int. Cl.  
**H02G 9/04** ( 2006.01 )  
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(72) BIBB, Christopher; PATERSON, John  
(74) Allens Patent & Trade Mark Attorneys
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(11) AU-A-2022319598  
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(54) NOVEL SPIROPYRROLIDINE DE-  
RIVED ANTIVIRAL AGENTS  
(51) Int. Cl.  
**A61K 31/404** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07D 487/10** ( 2006.01 )  
(87) WO2023/009187  
(31) 17/479,248 (32) 20.09.21 (33) US  
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(72) SHEN, Ruichao; HE, Yong; XING,  
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(74) James & Wells Intellectual Property
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- (71) ESKANDER, S.; GHOSSAIN, R.  
(11) AU-A-2023249429  
(21) 2023249429 (22) 04.04.2023  
(54) AN APPARATUS FOR PARKING A  
VEHICLE AND A PARKING MANAGE-  
MENT SYSTEM INCLUDING THE  
SAME  
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**G08G 1/14** ( 2006.01 )  
**E01F 13/08** ( 2006.01 )  
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**G01F 1/58** ( 2006.01 )  
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UNIVERSITY  
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**A61K 31/4375** ( 2006.01 )  
**A61P 27/10** ( 2006.01 )  
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G16H 10/60 ( 2018.01 )  
G08B 21/24 ( 2006.01 )  
G16H 20/17 ( 2018.01 )  
G16H 40/67 ( 2018.01 )  
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C07D 498/04 ( 2006.01 )  
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A61P 11/06 ( 2006.01 )  
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B02C 13/28 ( 2006.01 )  
A01G 3/00 ( 2006.01 )  
A01G 23/00 ( 2006.01 )  
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B02C 18/18 ( 2006.01 )  
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A61B 17/00 ( 2006.01 )  
A61B 34/35 ( 2016.01 )  
A61B 34/37 ( 2016.01 )  
A61B 34/30 ( 2016.01 )  
A61M 5/145 ( 2006.01 )  
A61M 39/00 ( 2006.01 )  
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C12N 15/10 ( 2006.01 )  
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C07K 14/395 ( 2006.01 )  
A01N 63/30 ( 2020.01 )  
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(54) APPARATUS AND METHOD FOR REAGENTIZING AND AERATING FEED TO FLOTATION MACHINES  
(51) Int. Cl.  
B03D 1/00 ( 2006.01 )  
B03B 1/04 ( 2006.01 )  
B03D 1/001 ( 2006.01 )  
B03D 1/02 ( 2006.01 )  
B03D 1/04 ( 2006.01 )  
B03D 1/14 ( 2006.01 )  
B03D 1/24 ( 2006.01 )  
C02F 1/24 ( 2023.01 )  
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(51) Int. Cl.  
C09J 189/00 ( 2006.01 )  
B32B 21/02 ( 2006.01 )  
C08K 5/05 ( 2006.01 )  
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H01M 50/20 ( 2021.01 )  
A62C 3/16 ( 2006.01 )  
H01M 10/48 ( 2006.01 )  
H01M 10/613 ( 2014.01 )  
H01M 10/625 ( 2014.01 )  
H01M 10/6567 ( 2014.01 )  
H01M 50/30 ( 2021.01 )  
H01M 50/574 ( 2021.01 )  
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**(74)** Griffith Hack

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**(21)** 2022301056 **(22)** 28.06.2022  
**(54)** METHODS OF MANUFACTURING INJECTABLE SUSTAINED RELEASE FORMULATIONS  
**(51)** Int. Cl.  
**A61K 31/33** ( 2006.01 )  
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**A61K 47/06** ( 2006.01 )  
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**(21)** 2022330384 **(22)** 05.08.2022  
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**(51)** Int. Cl.  
**H04N 19/51** ( 2014.01 )  
**H04N 19/177** ( 2014.01 )  
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**(51)** Int. Cl.  
**H02J 3/40** ( 2006.01 )  
**H02M 1/00** ( 2007.01 )  
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**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**B60L 53/00** ( 2019.01 )  
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**(21)** 2023262105 **(22)** 26.04.2023  
**(54)** ELECTRONIC ASSEMBLY COMPRISING AT LEAST ONE CIRCUIT BOARD AND EXTERNAL ELECTRONIC COMPONENTS, AND INVERTER COMPRISING SUCH AN ELECTRONIC ASSEMBLY  
**(51)** Int. Cl.  
**H05K 7/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**G08B 17/06** ( 2006.01 )  
**G08B 3/10** ( 2006.01 )  
**G08B 29/12** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
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**(51)** Int. Cl.  
**A61K 31/135** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**C07C 225/20** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(54)** COMPOSITIONS AND METHODS  
**(51)** Int. Cl.  
**A23K 20/10** ( 2016.01 )  
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**A23K 50/15** ( 2016.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**H02J 1/00** ( 2006.01 )  
**H02H 9/04** ( 2006.01 )  
**H02J 1/14** ( 2006.01 )  
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**(51)** Int. Cl.  
**G16B 20/00** ( 2019.01 )  
**G16B 40/20** ( 2019.01 )

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**(51)** Int. Cl.  
**C22B 26/12** ( 2006.01 )  
**C22B 3/02** ( 2006.01 )  
**C22B 3/08** ( 2006.01 )  
**H01M 10/54** ( 2006.01 )  
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**G16H 50/70** ( 2018.01 )  
**G16H 20/10** ( 2018.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**E21B 33/124** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**E21B 43/26** ( 2006.01 )  
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**(54)** METHOD TO TAILOR CEMENT PROPERTIES AND OPTIMIZE INJECTION SCHEDULE FOR NEAR WELLBORE INTEGRITY IN CARBON STORAGE/INJECTION WELLS  
**(51)** Int. Cl.  
**E21B 49/00** ( 2006.01 )  
**E21B 43/12** ( 2006.01 )  
**E21B 43/16** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
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**(51)** Int. Cl.  
**C09K 8/467** ( 2006.01 )  
**E21B 33/13** ( 2006.01 )  
**E21B 41/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07H 21/00** ( 2006.01 )  
**A61K 31/7088** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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**(54)** DENTAL BULK BLOCK AND METHOD FOR MANUFACTURING SAME  
**(51)** Int. Cl.  
**A61C 13/00** ( 2006.01 )  
**A61C 13/08** ( 2006.01 )  
**A61C 13/083** ( 2006.01 )  
**C03C 3/083** ( 2006.01 )  
**C03C 3/097** ( 2006.01 )  
**C03C 4/00** ( 2006.01 )  
**C03C 10/00** ( 2006.01 )  
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**(72)** LIM, Hyung Bong; KIM, Yong Su  
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**(21)** 2022315352 **(22)** 24.06.2022  
**(54)** REFRIGERATOR  
**(51)** Int. Cl.  
**F25D 11/00** ( 2006.01 )  
**F25D 23/00** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
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**(21)** 2022317931 **(22)** 11.07.2022  
**(54)** CONNECTING PIPELINE OF EVAPORATOR, EVAPORATOR AND REFRIGERATOR  
**(51)** Int. Cl.  
**F25B 39/02** ( 2006.01 )  
**F24F 13/20** ( 2006.01 )  
**F28F 9/26** ( 2006.01 )  
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**(21)** 2022404479 **(22)** 07.12.2022

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**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**C12N 5/07** ( 2010.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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 (54) METHOD FOR PREPARATION OF EFFERVESCENT GRANULES  
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**E04B 1/41** ( 2006.01 )  
**E04B 1/48** ( 2006.01 )  
**E04B 1/94** ( 2006.01 )  
**E04B 2/56** ( 2006.01 )  
**E04C 3/30** ( 2006.01 )  
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**G06Q 20/10** ( 2012.01 )  
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 (54) RADIO FRAME SENDING METHOD AND APPARATUS, AND RADIO FRAME RECEIVING METHOD AND APPARATUS  
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**H04L 1/00** ( 2006.01 )  
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 (54) RANDOM ACCESS METHOD AND APPARATUS  
 (51) Int. Cl.  
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**B64G 1/66** ( 2006.01 )  
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**B64G 1/28** ( 2006.01 )  
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**G01S 13/90** ( 2006.01 )  
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**G16H 20/70** ( 2018.01 )  
**G06F 40/35** ( 2020.01 )  
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 (11) AU-A-2022318257  
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 (54) ANTIGEN BINDING PROTEINS SPECIFICALLY BINDING CT45  
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*C07K 14/47* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*C07K 14/725* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
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- (71) I-MOP GMBH  
 (11) AU-A-2022315553  
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 (54) FLOOR-CLEANING MACHINE  
 (51) Int. Cl.  
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 (51) Int. Cl.  
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*G06F 3/048* ( 2013.01 )  
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- (71) INFINIUM TECHNOLOGY, LLC  
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 (51) Int. Cl.  
*C01B 3/02* ( 2006.01 )  
*B01D 53/14* ( 2006.01 )  
*B01J 21/04* ( 2006.01 )  
*C01B 3/30* ( 2006.01 )  
*C10G 2/00* ( 2006.01 )  
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 (51) Int. Cl.  
*H04N 19/122* ( 2014.01 )  
*H04N 19/124* ( 2014.01 )  
*H04N 19/61* ( 2014.01 )  
*H04N 19/96* ( 2014.01 )  
*H04N 19/00* ( 2014.01 )  
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 (51) Int. Cl.  
*C10L 1/18* ( 2006.01 )  
*C10L 1/23* ( 2006.01 )  
*C10L 10/04* ( 2006.01 )
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 (51) Int. Cl.  
*B01F 25/10* ( 2022.01 )  
*B01F 35/21* ( 2022.01 )  
*B01F 35/45* ( 2022.01 )  
*B01F 101/22* ( 2022.01 )  
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*C12N 15/864* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 7/04* ( 2006.01 )  
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 (72) SHI, Zhongdong  
 (74) FB Rice Pty Ltd
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 (54) METHODS FOR DIAGNOSING A CANCER- OR ANTIBIOTICS-INDUCED DYSBIOSIS AND THEIR USE FOR IMPROVING CANCER TREATMENT BY IMMUNOTHERAPY  
 (51) Int. Cl.  
*G01N 33/569* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
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**(21)** 2022318161 **(22)** 28.07.2022  
**(54)** HUMANIZED ANTI-HUMAN  $\beta$ IG-H3 PROTEIN AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2023/006919  
**(31)** 21306058.5 **(32)** 29.07.21 **(33)** EP  
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**(72)** HENNINO, Ana  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-A-2022321810  
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**(51)** Int. Cl.  
**B01J 20/10** ( 2006.01 )  
**B01J 20/26** ( 2006.01 )  
**B01J 20/32** ( 2006.01 )  
**C02F 1/28** ( 2023.01 )  
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**(74)** AJ PARK

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**(54)** TRANSCUTANEOUS SENSOR APPLICATOR AND APPLICATOR ASSEMBLY  
**(51)** Int. Cl.  
**A61B 5/145** ( 2006.01 )  
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**(74)** LAMINAR IP PTY LTD

**(71)** ISHIHARA SANGYO KAISHA, LTD.  
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**(54)** METHOD FOR PREVENTING DEFORMATION OF PLASTIC PESTICIDE CONTAINER  
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**A01N 25/04** ( 2006.01 )  
**A01N 37/34** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**A01N 43/70** ( 2006.01 )  
**A01N 47/06** ( 2006.01 )  
**A01N 47/36** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )

**B65D 77/00** ( 2006.01 )  
**B65D 85/82** ( 2006.01 )  
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**(72)** KOBAYASHI Yusuke  
**(74)** AJ PARK

**(71)** JASPER MEDTECH PTY LTD  
**(11)** AU-A-2022309373  
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**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**G16H 50/30** ( 2018.01 )  
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**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS

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**(54)** LIGHTING DEVICE USING HYBRID POWER GENERATION  
**(51)** Int. Cl.  
**F03D 3/00** ( 2006.01 )  
**F03D 9/25** ( 2016.01 )  
**F21S 9/04** ( 2006.01 )  
**F21V 29/60** ( 2015.01 )  
**H02N 11/00** ( 2006.01 )  
**H10N 10/13** ( 2023.01 )  
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**(72)** JEON, Ok Ja; SEO, Seung Won; YIN, Xue Bin; KOOK, Yoon Ju; KIM, Bong Hyoung  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-A-2022341700  
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**(54)** MOLTEN METAL-PLATED STEEL STRIP PRODUCTION METHOD  
**(51)** Int. Cl.  
**C23C 2/20** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-A-2022430604  
**(21)** 2022430604 **(22)** 30.06.2022

**(54)** CONTROL METHOD AND APPARATUS FOR WIND TURBINE GENERATOR SET, AND DEVICE  
**(51)** Int. Cl.  
**F03D 7/00** ( 2006.01 )  
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**(74)** Madderns Pty Ltd

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**(11)** AU-A-2022325367  
**(21)** 2022325367 **(22)** 10.08.2022  
**(54)** SULFONAMIDE DERIVATIVE, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF  
**(51)** Int. Cl.  
**C07D 413/00** ( 2006.01 )  
**A61K 31/42** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**(87)** WO2023/016484  
**(31)** 202110913249.1 **(32)** 10.08.21 **(33)** CN  
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**(11)** AU-A-2022297504  
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**(51)** Int. Cl.  
**C07F 9/6558** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
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**C07D 487/04** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**G06Q 10/0833** ( 2023.01 )  
**G07G 1/00** ( 2006.01 )  
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**(72)** PHILLIPS, Victor Albert  
**(74)** Alder IP Pty Ltd
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**(54)** SEAL FOR A MECHANICAL CIRCULATORY SUPPORT DEVICE  
**(51)** Int. Cl.  
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**(54)** SINGLE SERVE CAPSULE FOR PREPARING A BEVERAGE WITH THE AID OF A BEVERAGE PREPARATION MACHINE, AND USE OF A SINGLE SERVE CAPSULE  
**(51)** Int. Cl.  
**B65D 85/804** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(72)** KRÜGER, Marc; EMPL, Günter  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(54)** EXTERNAL FIXATOR, KIT COMPRISING THE SAME, AND METHOD OF FIXATION  
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**(74)** Davies Collison Cave Pty Ltd
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**B28B 1/52** ( 2006.01 )  
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**B32B 7/02** ( 2019.01 )  
**B32B 13/02** ( 2006.01 )  
**C04B 28/14** ( 2006.01 )  
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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**H01M 8/0606** ( 2016.01 )  
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**(74)** Spruson & Ferguson
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**B60P 1/04** ( 2006.01 )  
**B60P 3/00** ( 2006.01 )  
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**A61G 7/00** ( 2006.01 )  
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**G01N 21/3554** ( 2014.01 )  
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**F17C 5/02** ( 2006.01 )  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**H04W 56/00** ( 2009.01 )  
**H03L 7/093** ( 2006.01 )  
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**C12N 15/74** ( 2006.01 )  
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**B25B 9/02** ( 2006.01 )  
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 (54) INTERFACE AND LAUNDRY TREATING APPARATUS HAVING THE SAME  
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**D06F 34/08** ( 2020.01 )  
**D06F 34/14** ( 2020.01 )  
**D06F 34/30** ( 2020.01 )  
**D06F 34/32** ( 2020.01 )  
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**D06F 37/42** ( 2006.01 )  
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**A47L 11/40** ( 2006.01 )  
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 (54) Fire monitoring apparatus and method  
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**G08B 17/10** ( 2006.01 )  
**A62C 3/16** ( 2006.01 )  
**A62C 37/38** ( 2006.01 )  
**H01M 10/48** ( 2006.01 )  
**H01M 10/627** ( 2014.01 )  
**H01M 50/24** ( 2021.01 )  
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 (54) METHOD AND CONVEYING DEVICE  
 (51) Int. Cl.  
**F17C 9/02** ( 2006.01 )

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 A61F 2/28 (2006.01 )  
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 (51) Int. Cl.  
 B06B 1/06 (2006.01 )  
 B06B 1/02 (2006.01 )  
 H04R 1/40 (2006.01 )  
 H10N 30/084 (2023.01 )  
 H10N 30/88 (2023.01 )  
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 G06F 21/33 (2013.01 )  
 G06K 19/06 (2006.01 )  
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 G06K 19/06 (2006.01 )  
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 (51) Int. Cl.  
 F03B 17/02 (2006.01 )  
 F03B 17/00 (2006.01 )  
 F03B 17/04 (2006.01 )  
 F01K 25/00 (2006.01 )  
 F01K 27/00 (2006.01 )  
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 B21D 1/12 (2006.01 )  
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 (54) PHARMACEUTICAL COMPOSITION  
 (51) Int. Cl.
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 A61K 47/34 (2017.01 )  
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 (72) SERINDOUX, Juliette; LÓPEZ-NORIEGA, Adolfo  
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 (54) SERIAL DILATION SYSTEM  
 (51) Int. Cl.  
 A61B 17/16 (2006.01 )  
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 (51) Int. Cl.  
 A61K 39/395 (2006.01 )  
 A61P 35/02 (2006.01 )  
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 (21) 2022300434 (22) 08.04.2022  
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 (51) Int. Cl.  
 B60L 1/02 (2006.01 )  
 B60H 1/00 (2006.01 )  
 F24H 1/10 (2022.01 )  
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 (31) 2021901956 (32) 28.06.21 (33) AU  
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 (21) 2022314050 (22) 19.07.2022  
 (54) SYSTEMS AND METHODS FOR USING PHOTOGRAMMETRY TO CRE-

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**(51)** Int. Cl.  
**A61B 17/17** ( 2006.01 )  
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**(51)** Int. Cl.  
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**H02G 9/10** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(54)** ARTIFICIAL ENZYME-BACTERIA SYSTEM AND USES THEREOF  
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**A61K 33/26** ( 2006.01 )  
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**A61P 1/04** ( 2006.01 )  
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**B82Y 5/00** ( 2011.01 )  
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**A61P 25/18** ( 2006.01 )  
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 (51) Int. Cl.  
*A24B 3/14* ( 2006.01 )  
*A24B 15/12* ( 2006.01 )  
*A24B 15/16* ( 2020.01 )  
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*A24D 1/20* ( 2020.01 )  
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*C10L 9/06* ( 2006.01 )  
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 (51) Int. Cl.  
*C12N 15/62* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
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**A01H 1/00** ( 2006.01 )  
**A01H 5/08** ( 2018.01 )  
**A01H 6/34** ( 2018.01 )  
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**A61P 29/00** ( 2006.01 )  
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**G01N 33/00** ( 2006.01 )  
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**B62D 49/00** ( 2006.01 )  
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**G01C 21/36** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
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(54) SYSTEMS AND METHODS FOR DETERMINING AN ARTICULATED TRAILER ANGLE  
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**B62D 15/02** ( 2006.01 )  
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**B62D 53/06** ( 2006.01 )  
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(51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**G06F 1/16** ( 2006.01 )  
**H01R 13/627** ( 2006.01 )  
**H01R 13/629** ( 2006.01 )  
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 A01H 5/08 ( 2018.01 )  
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*A23P 10/30* ( 2016.01 )  
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 B29C 43/18 (2006.01)  
 B60R 16/023 (2006.01)  
 H02B 1/04 (2006.01)  
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 (54) BED EXERCISE SYSTEMS AND METHODS  
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**A63B 21/04** ( 2006.01 )  
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 (54) GENETICALLY MODIFIED CELLS FOR ALLOGENEIC CELL THERAPY TO REDUCE COMPLEMENT-MEDIATED INFLAMMATORY REACTIONS  
 (51) Int. Cl.  
**C12N 5/074** ( 2010.01 )  
**A61K 35/44** ( 2015.01 )  
**A61K 35/545** ( 2015.01 )

**A61P 37/06** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
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**A61P 37/06** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
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**G05D 23/19** ( 2006.01 )  
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**A01G 17/02** ( 2006.01 )  
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**F02D 41/00** ( 2006.01 )  
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**H02G 3/10** ( 2006.01 )  
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CYCLIC COMPOUND, AND PREPAR-  
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MEDIATE THEREOF, AND APPLICA-  
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**C07D 519/00** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07C 51/41** ( 2006.01 )  
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**A61M 27/00** ( 2006.01 )  
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(54) METHOD FOR FLOW MEASURE-  
MENT THAT IS SUBJECT TO INTER-  
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FLOWMETER AND COMPUTER PRO-  
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**G01F 1/60** ( 2006.01 )  
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TION TO A BRAIN NETWORK  
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**A61B 5/00** ( 2006.01 )  
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**A01N 31/08** ( 2006.01 )  
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**A61F 2/36** ( 2006.01 )  
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**C07D 487/04** ( 2006.01 )  
**A61K 31/5365** ( 2006.01 )  
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**H01M 4/525** ( 2010.01 )  
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**H02J 7/00** ( 2006.01 )  
**H02M 1/42** ( 2007.01 )  
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**B05B 7/26** ( 2006.01 )

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**B01F 35/50** ( 2022.01 )  
**B01F 35/80** ( 2022.01 )  
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**A61B 8/08** ( 2006.01 )  
**G06V 10/25** ( 2022.01 )  
**G06V 10/48** ( 2022.01 )  
**G06V 10/762** ( 2022.01 )  
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**G16H 30/40** ( 2018.01 )
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**C07K 16/46** ( 2006.01 )  
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**C12N 9/12** ( 2006.01 )  
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**(51)** Int. Cl.  
**A45D 44/18** ( 2006.01 )  
**A45C 5/06** ( 2006.01 )  
**A45C 11/00** ( 2006.01 )  
**B65D 51/28** ( 2006.01 )  
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**(72)** JUNGNICKEL, Uwe  
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**(72)** BIESBROCK, Aaron Reed; RAJIAH, Jayanth; SAGEL, Paul Albert; SHI, Yun-ming; STRAND, Ross  
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<b>(54)</b> COMPOSITIONS AND METHODS FOR INHIBITION OF RAS	<b>(71)</b> THE TRUSTEES FOR THE TIME BEING OF THE KMN FULFILMENT TRUST	<b>(43)</b> 02.02.2023		
<b>(51)</b> Int. Cl.	<b>(11)</b> AU-A-2022317342	<b>(72)</b> PREINDL, Matthias; ZHOU, Liwei; EULL, William-Michael; JAHNES, Matthew		
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<b>C07D 487/04</b> ( 2006.01 )	<b>C10L 5/46</b> ( 2006.01 )	<b>(54)</b> SYSTEMS AND METHODS FOR CONTROL OF NONISOLATED BIDIRECTIONAL POWER CONVERTERS		
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<b>(36)</b> US	<b>(33)</b> ZA	63/226,059	27.07.21	US
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<b>(74)</b> James & Wells Intellectual Property		63/345,896	25.05.22	US
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		<b>(74)</b> Pizeys Patent and Trade Mark Attorneys Pty Ltd		
<b>(71)</b> THERAVIDA, INC.	<b>(71)</b> THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	<b>(43)</b> 02.02.2023		
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<b>(22)</b> 09.08.2022	<b>(22)</b> 27.07.2022			
<b>(54)</b> PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATING HYPERHIDROSIS	<b>(54)</b> SYSTEMS AND METHODS FOR CONTROL OF ZERO-SEQUENCE STABILIZED POWER CONVERTERS			
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>A61K 31/33</b> ( 2006.01 )	<b>H02M 7/02</b> ( 2006.01 )	<b>(71)</b> THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK		
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<b>A61K 31/4178</b> ( 2006.01 )	<b>(87)</b> WO2023/009649	<b>(54)</b> SYSTEMS AND METHODS FOR POWER CONVERSION WITH LC FILTER HAVING ADDITIONAL CAPACITOR		
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<b>(31)</b> 63/260,154	63/242,840	<b>H02M 1/084</b> ( 2006.01 )		
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<b>(72)</b> ANDREWS, Stephen Wayne; BALIK, Samuel Bruce; JETT, John Edward; LEMING, Robert Michael	63/226,136	<b>H02M 1/16</b> ( 2006.01 )		
<b>(74)</b> Spruson & Ferguson	<b>(43)</b> 02.02.2023	<b>(87)</b> WO2023/009648		
	<b>(72)</b> PREINDL, Matthias; ZHOU, Liwei; EULL, William-Michael; JAHNES, Matthew	<b>(31)</b> 63/242,840	<b>(32)</b> 10.09.21	<b>(33)</b> US
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<b>(71)</b> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	<b>(71)</b> THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	<b>(43)</b> 02.02.2023		
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<b>(54)</b> SEAWATER ELECTROLYSIS ENABLES SCALABLE ATMOSPHERIC CO2 MINERALIZATION	<b>(54)</b> SYSTEMS AND METHODS FOR POWER CONVERSION WITH LC FILTER HAVING AN INDUCTOR WITH BOARD-EMBEDDED WINDING			
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>B01D 53/62</b> ( 2006.01 )	<b>H05K 7/02</b> ( 2006.01 )	<b>(71)</b> THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA		
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<b>B01D 53/78</b> ( 2006.01 )	<b>(87)</b> WO2023/009651			
<b>C01D 1/04</b> ( 2006.01 )	<b>(31)</b> 63/226,059			
<b>C07C 211/01</b> ( 2006.01 )	63/226,136			
<b>C25B 1/18</b> ( 2006.01 )	63/345,896			
<b>(87)</b> WO2023/278423	<b>(32)</b> 27.07.21			
<b>(31)</b> 63/215,853	<b>(33)</b> US			
<b>(32)</b> 28.06.21				
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**A61P 17/02** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
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C07K 14/35 ( 2006.01 )  
A61K 39/04 ( 2006.01 )  
A61K 48/00 ( 2006.01 )
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C12N 15/62 ( 2006.01 )  
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G06Q 20/40 ( 2012.01 )  
G06N 5/02 ( 2023.01 )  
H04L 41/14 ( 2022.01 )  
H04L 67/50 ( 2022.01 )  
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A61K 35/12 ( 2015.01 )  
A61K 39/00 ( 2006.01 )  
C12N 15/63 ( 2006.01 )  
(87) WO2023/015182  
(31) 63/228,548 (32) 02.08.21 (33) US  
63/229,484 04.08.21 US  
63/341,346 12.05.22 US  
63/346,819 27.05.22 US  
(43) 09.02.2023  
(72) CHAKRABORTY, Tirtha; PAIK, Elizabeth; LIN, Michelle; FERRUCIO, Juliana  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) WEST PHARMA. SERVICES IL, LTD.  
(11) AU-A-2022313605  
(21) 2022313605 (22) 18.07.2022  
(54) LIQUID TRANSFER DEVICE WITH VALVE  
(51) Int. Cl.  
A61J 1/20 ( 2006.01 )  
(87) WO2023/002478  
(31) 63/223,318 (32) 19.07.21 (33) US  
(43) 26.01.2023  
(72) FABRIKANT, Elisheva  
(74) RnB IP Pty Ltd

PCT applications which have entered the National Phase - Name Index cont'd

<p>(71) WESTROCK PACKAGING SYSTEMS, LLC (11) AU-A-2022323256 (21) 2022323256 (22) 03.08.2022 (54) ARTICLE CARRIER AND BLANK THEREFOR (51) Int. Cl. B65D 71/46 ( 2006.01 ) (87) WO2023/014841 (31) 63/228,932 (32) 03.08.21 (33) US 63/253,247 07.10.21 US (43) 09.02.2023 (72) MERZEAU, Julien (74) Spruson &amp; Ferguson</p>	<p>(87) WO2023/278111 (31) 63/231,945 (32) 11.08.21 (33) US 63/215,728 28.06.21 US 63/228,081 31.07.21 US (43) 05.01.2023 (72) MOTADEL, Arta (74) Halfords IP</p>	<p>NARADA POWER TECHNOLOGY CO., LTD. (11) AU-A-2022379904 (21) 2022379904 (22) 22.07.2022 (54) BATTERY CORE CONNECTING ASSEMBLY AND BATTERY (51) Int. Cl. H01M 50/543 ( 2021.01 ) H01M 50/531 ( 2021.01 ) (43) 08.02.2024 (72) GUO, Feng; WANG, Yinglai; XIANG, Jiayuan; HUANG, Wen; LIU, Sihun; WANG, Meng; XU, Liukou; JIANG, Qinxu; LI, Yanhong; FANG, Ling; ZHANG, Bei; CHEN, Xiangdang; WEN, Shuting; CAO, Huayan (74) Madderns Pty Ltd</p>
<p>(71) WILLIAM BEAUMONT HOSPITAL (11) AU-A-2022337143 (21) 2022337143 (22) 02.09.2022 (54) SYSTEMS AND METHODS FOR IMAGE PROCESSING TO IDENTIFY PATIENTS WITH PULMONARY EMBOLISM (51) Int. Cl. A61B 5/08 ( 2006.01 ) G06T 7/11 ( 2017.01 ) G06T 7/30 ( 2017.01 ) G16H 50/30 ( 2018.01 ) (87) WO2023/034570 (31) 63/240,453 (32) 03.09.21 (33) US (43) 09.03.2023 (72) CASTILLO, Edward; NAIR, Girish B. (74) Davies Collison Cave Pty Ltd</p>	<p>(71) X DEVELOPMENT LLC (11) AU-A-2022299298 (21) 2022299298 (22) 24.06.2022 (54) ELECTRICAL GRID MONITORING USING AGGREGATED SMART METER DATA (51) Int. Cl. G01D 1/00 ( 2006.01 ) H02J 13/00 ( 2006.01 ) H02J 3/00 ( 2006.01 ) (87) WO2022/272016 (31) 63/214,426 (32) 24.06.21 (33) US (43) 29.12.2022 (72) CASEY, Leo Francis; CRAHAN, Page Furey; DALY, Raymond; LIMTIACO, Nicole; LI, Xinyue; DESAI, Gaurav; CHOU, David Charles; EVANS, Peter; GINSBERG, Matthew L.; CONNAUGHTON, Spencer, James (74) Spruson &amp; Ferguson</p>	<p>(71) ZHEJIANG YIHENGYUE MEDICAL TECHNOLOGY CO., LTD. (11) AU-A-2021454273 (21) 2021454273 (22) 09.07.2021 (54) POWER-ASSISTED CONTROL METHOD AND APPARATUS FOR SMART WALKING AID, SMART WALKING AID, AND CONTROLLER (51) Int. Cl. A61H 3/04 ( 2006.01 ) A61G 5/04 ( 2013.01 ) (87) WO2023/272773 (31) 202110749161.0 (32) 01.07.21 (33) CN (43) 05.01.2023 (72) GONG, Mao; LU, Jianfeng (74) Collison &amp; Co</p>
<p>(71) WONDERLAND SWITZERLAND AG (11) AU-A-2022300303 (21) 2022300303 (22) 21.06.2022 (54) SAFETY SEAT (51) Int. Cl. B60N 2/28 ( 2006.01 ) (87) WO2022/268804 (31) 202110686926.0 (32) 21.06.21 (33) CN (43) 29.12.2022 (72) GUO, Zhengwen; MO, Xiaolong (74) Allens Patent &amp; Trade Mark Attorneys</p>	<p>(71) XSIGHTS DIGITAL PTY LTD (11) AU-A-2022308528 (21) 2022308528 (22) 29.06.2022 (54) A MONITORING DEVICE FOR AN ANIMAL (51) Int. Cl. A01K 29/00 ( 2006.01 ) A01K 11/00 ( 2006.01 ) G06Q 50/10 ( 2012.01 ) H04Q 9/00 ( 2006.01 ) H04W 4/80 ( 2018.01 ) (87) WO2023/279139 (31) 2021902050 (32) 06.07.21 (33) AU (43) 12.01.2023 (72) WILDISEN, Steven; PHILLIPS, Dean (74) Northern Lights IP</p>	<p>(71) ZS ELECTRIC AB (11) AU-A-2022308812 (21) 2022308812 (22) 07.07.2022 (54) CURRENT BOOSTER (51) Int. Cl. H02M 3/335 ( 2006.01 ) (87) WO2023/282841 (31) 2150913-8 (32) 08.07.21 (33) SE (43) 12.01.2023 (72) STANISIC, Zoran (74) James &amp; Wells Intellectual Property</p>
<p>(71) WONDERLAND SWITZERLAND AG (11) AU-A-2022319973 (21) 2022319973 (22) 29.07.2022 (54) CHILD SAFETY SEAT (51) Int. Cl. B60N 2/28 ( 2006.01 ) (87) WO2023/006981 (31) 202110872453.3 (32) 30.07.21 (33) CN 202111662203.3 31.12.21 CN (43) 02.02.2023 (72) CHEN, Yingzhong; LIU, Zujian (74) Allens Patent &amp; Trade Mark Attorneys</p>	<p>(71) YNSECT (11) AU-A-2022311191 (21) 2022311191 (22) 08.07.2022 (54) METHOD FOR PREPARING A GEL BLOCK (51) Int. Cl. A23L 29/256 ( 2016.01 ) A23K 20/163 ( 2016.01 ) A23K 20/24 ( 2016.01 ) A23K 50/90 ( 2016.01 ) (87) WO2023/285757 (31) FR2107607 (32) 13.07.21 (33) FR (43) 19.01.2023 (72) SARTON DU JONCHAY, Thibault; KIRICHE, Adam; LAFFORGUE, Anthony; PERYCHOU, Fanny (74) Griffith Hack</p>	
<p>(71) XCALIBER SCIENCES, INC. (11) AU-A-2022304690 (21) 2022304690 (22) 08.06.2022 (54) PIPETTE TIP SYSTEM (51) Int. Cl. B01L 3/02 ( 2006.01 ) B01L 9/00 ( 2006.01 )</p>	<p>(71) ZHEJIANG NARADA POWER SOURCE CO., LTD.; HANGZHOU</p>	

Numerical Index

2021294599	DIMOPOULOS, M.; DIMOPOULOS, G.	2022301661	NUNHEMS B.V.
2021403736	MONITORX SP. Z O.O.	2022301790	NOVATIQ TECHNOLOGIES LIMITED
2021452086	HINGE HEALTH, INC.	2022301944	E2INTERACTIVE, INC. D/B/AE2INTERACTIVE, INC.
2021454211	RAZER (ASIA-PACIFIC) PTE. LTD.	2022302155	NEUROCRINE BIOSCIENCES, INC.
2021454273	ZHEJIANG YIHENGYUE MEDICAL TECHNOLOGY CO., LTD.	2022302156	RAVEN INDUSTRIES, INC.
2021454302	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.	2022302219	DONGGUAN JINWANG CHILDREN PRODUCTS CO. LTD.
2021456834	FOGTEC BRANDSCHUTZ GMBH	2022302421	NICOVENTURES TRADING LIMITED
2021457819	CHATTEM, INC.	2022302552	REPLI-TECH CO., LTD.
2021458440	HASS CO., LTD.	2022302747	LG ELECTRONICS INC.
2021461617	THE PROCTER & GAMBLE COMPANY	2022302769	ADC THERAPEUTICS SA; MEDIMMUNE LIMITED
2021462009	THE PROCTER & GAMBLE COMPANY	2022302820	HOLMES SOLUTIONS LIMITED PARTNERSHIP
2021462152	ATLAS COPCO AIRPOWER, N.V.	2022302859	123LASH PTE LIMITED
2021464668	TEREX SOUTH DAKOTA, INC.	2022303142	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2021467199	HALLIBURTON ENERGY SERVICES, INC.	2022303261	MATRIXNETS TECHNOLOGY CO., LTD.
2021473847	HALLIBURTON ENERGY SERVICES, INC.	2022303304	NAL LIMITED
2021480195	SINO IRON HOLDINGS PTY LTD	2022303310	TAY THERAPEUTICS LIMITED
2022292160	POINTFUSE LIMITED	2022304254	ASTRAZENECA AB; MITSUBISHI TANABE PHARMA CORPORATION
2022296018	REDROSE DEVELOPMENTS	2022304447	LG ELECTRONICS INC.
2022296509	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	2022304690	XCALIBER SCIENCES, INC.
2022296783	MEDOS INTERNATIONAL SARL	2022304700	DAILYCOLORS HEALTH INC.
2022296792	SENSONIC DESIGN ZRT.	2022304939	SHANGHAI ALLIST PHARMACEUTICALS CO., LTD.
2022296874	ARENA SYSCOM CONSULTING, S.L.	2022305010	CRAFT IRISH DISTILLING CO. LIMITED
2022297174	SEEGENE, INC.	2022305584	DONGGUAN JINWANG CHILDREN PRODUCTS CO. LTD.
2022297433	MAYNARD, M.J.	2022305591	FLUIDSOLIDS AG
2022297504	JING MEDICINE TECHNOLOGY (SHANGHAI) LTD.	2022305619	MQUS AB
2022297515	IMPACT OBSERVATORY, INC.	2022305950	R.P. SCHERER TECHNOLOGIES, LLC
2022297526	OUTRIDER TECHNOLOGIES, INC.	2022305969	AVIUM LLC
2022297527	OUTRIDER TECHNOLOGIES, INC.	2022306051	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
2022297690	INSTITUT GUSTAVE ROUSSY; EVERIMMUNE; UNIVERSITE PARIS-SACLAY; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE)	2022306297	PLEXIUM, INC.
2022297884	HONEYWELL, S.W.	2022306382	SINAPTICA THERAPEUTICS, INC.
2022297890	EKOWALL UNLIMITED	2022306574	VALEDA COMPANY, LLC
2022297891	EKOWALL UNLIMITED	2022306598	BIOMARIN PHARMACEUTICAL INC.
2022297921	SUNNYBROOK RESEARCH INSTITUTE; SADEGHI-NAINI, A.; TALEGHAMAR, H.	2022307459	KNAUF GIPS KG
2022298773	RAVEN INDUSTRIES, INC.	2022307690	AUSTRALIAN INSTITUTE OF ROBOTIC ORTHOPAEDICS PTY LTD
2022298781	PHENOMENEX, INC.	2022307831	ANDRE, A.G.; FOOD PROCESS ENGINEERING PTY LTD
2022298798	BIOVERATIV THERAPEUTICS INC.	2022307932	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
2022298827	INSPIRAR LIMITED	2022307935	READYLINKS INC.
2022298850	NANJING IMMUNOPHAGE BIOTECH CO., LTD	2022308120	SUZHOU ALPHAMAB CO., LTD.
2022299056	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	2022308528	XSIGHTS DIGITAL PTY LTD
2022299062	UMICORE; UNIVERSITEIT GENT	2022308616	SCHNEIDER ELECTRIC INDUSTRIES SAS
2022299169	UNIVERSITY OF MASSACHUSETTS; BETH ISRAEL DEACONESS MEDICAL CENTER, INC.	2022308681	HOLOPLOT GMBH
2022299298	X DEVELOPMENT LLC	2022308737	READYLINKS INC.
2022299331	GILGAMESH PHARMACEUTICALS, INC.	2022308812	ZS ELECTRIC AB
2022299468	IESO DIGITAL HEALTH LIMITED	2022308995	AZELIO AB
2022299594	SCEA DU CHATEAU MONTROSE	2022309265	SMILE AUTOMATION PVT. LTD.
2022299606	ELECTRICA LIVE (UK) LIMITED	2022309373	JASPER MEDTECH PTY LTD
2022299614	CIPHERX TECHNOLOGIES LTD	2022309879	DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY
2022299665	EKOWALL UNLIMITED	2022309880	DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY
2022299989	PENG, S.	2022309881	DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY
2022300206	PAGE, B.	2022310131	FERROSAN MEDICAL DEVICES A/S
2022300303	WONDERLAND SWITZERLAND AG	2022310329	KURITA WATER INDUSTRIES LTD.
2022300316	DEBIOPHARM INTERNATIONAL S.A.	2022310507	LONGEVITI NEURO SOLUTIONS LLC
2022300434	MICROHEAT TECHNOLOGIES PTY LTD	2022310737	VANDEWIELE NV
2022300890	ARQ IP LIMITED	2022311013	THE BROAD INSTITUTE, INC.; PRESIDENT AND FELLOWS OF HARVARD COLLEGE
2022301055	CARLSMED, INC.	2022311191	YNSECT
2022301056	FORESEE PHARMACEUTICALS CO., LTD.	2022311497	ICEYE OY
2022301324	NEUROCRINE BIOSCIENCES, INC.		
2022301415	DONGGUAN JINWANG CHILDREN PRODUCTS CO. LTD.		
2022301440	CHAITOWITZ, I.		

PCT applications which have entered the National Phase - Numerical Index cont'd

2022311780	ONL THERAPEUTICS, INC.	2022316863	CATERPILLAR INC.
2022311786	DOW GLOBAL TECHNOLOGIES LLC; ROHM AND HAAS COMPANY	2022316872	CALIFORNIA NORTHSTATE COLLEGE OF PHARMACY, LLC
2022311806	EAGLEPICHER TECHNOLOGIES, LLC	2022316878	CATERPILLAR INC.
2022311904	GENERATION BIO CO.	2022317039	TEVOGEN BIO, INC.
2022311918	PSIQUANTUM, CORP.	2022317056	GUARDANT HEALTH, INC.
2022312170	ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC	2022317060	SEEKOPS INC.
2022312193	BIOINTERACTIONS LTD	2022317094	DOMETIC SWEDEN AB
2022312311	NOILE-IMMUNE BIOTECH INC.	2022317099	THALES DIS FRANCE SAS
2022312733	THREE SMITH GROUP LIMITED	2022317146	TURN CARE, INC.
2022312943	Dark Arts Surf	2022317220	CUBIC TELECOM LIMITED
2022313085	INFINITE ATHLETE, INC.	2022317269	BASF SE
2022313099	BREVILLE PTY LIMITED	2022317290	K-FEE SYSTEM GMBH
2022313167	SAGE PRODUCTS LLC	2022317342	THE TRUSTEES FOR THE TIME BEING OF THE KMN FULFILMENT TRUST
2022313183	PROLIFIC MACHINES INC.	2022317364	FLSMIDTH A/S
2022313210	NURIX THERAPEUTICS, INC.	2022317371	TATA COMMUNICATIONS LIMITED
2022313258	NEW YORK UNIVERSITY; REGENXBIO INC.	2022317520	DIRAQ PTY LTD
2022313270	TEMPUS AI, INC.	2022317645	BAKER HUGHES OILFIELD OPERATIONS LLC
2022313315	BEAM THERAPEUTICS INC.	2022317808	CEPHALON LLC
2022313542	BAE SYSTEMS PLC	2022317851	SUNGROW POWER SUPPLY CO., LTD.
2022313577	PLANAIR SA	2022317931	HEFEI HAIER REFRIGERATOR CO.,LTD; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2022313600	NOVARTIS AG	2022318161	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; CENTRE LEON BERARD; UNIVERSITÉ CLAUDE BERNARD LYON 1; KIST (KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY)
2022313605	WEST PHARMA. SERVICES IL, LTD.	2022318257	IMMATICS BIOTECHNOLOGIES GMBH
2022313687	OPELT, L.	2022318260	K-FEE SYSTEM GMBH
2022313877	CIPHER GENETICS, INC.	2022318371	K-FEE SYSTEM GMBH
2022313924	HUAWEI TECHNOLOGIES CO., LTD.	2022318379	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD
2022313961	AMGEN INC.	2022318614	CATERPILLAR INC.
2022313978	OJAI ENERGETICS PBC	2022318615	CATERPILLAR INC.
2022314016	EYE HOSPITAL, WENZHOU MEDICAL UNIVERSITY	2022318734	MERCK SHARP & DOHME LLC
2022314050	MICROPORT ORTHOPEDICS HOLDINGS INC.	2022318751	PRESIDENT AND FELLOWS OF HARVARD COLLEGE; TRUSTEES OF BOSTON UNIVERSITY
2022314055	NEW YORK UNIVERSITY	2022318762	SUNLESS, INC.; JOHNSON, B.D.; GERBRACHT, C.J.; GOEKE, D.A.
2022314061	APREO HEALTH, INC.	2022318877	PAIRWISE PLANTS SERVICES, INC.
2022314118	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	2022318881	FLAGSHIP PIONEERING INNOVATIONS VI, LLC
2022314142	COREBON AB	2022318882	BOSTON SCIENTIFIC SCIMED, INC.
2022314509	NEWELL AUSTRALIA PTY LTD	2022318885	VERASTEM, INC.; FRANCIS CRICK INSTITUTE
2022314562	CAREFUSION 303, INC.	2022318888	CORNING INCORPORATED
2022314616	UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION	2022319016	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
2022314734	REGENERON PHARMACEUTICALS, INC.	2022319017	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
2022314744	UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION	2022319119	VANS, INC.
2022314802	BIOGEN MA INC.	2022319598	ENANTA PHARMACEUTICALS, INC.
2022315036	CATTARUZZI INTERNATIONAL S.R.L.	2022319609	CATERPILLAR INC.
2022315058	NOVARTIS AG	2022319625	CATERPILLAR INC.; ASIATRAK (TIANJIN) LTD.
2022315141	CATERPILLAR INC.	2022319632	CATERPILLAR INC.
2022315221	SHIFAMED HOLDINGS, LLC	2022319711	DEERE & COMPANY; IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC.
2022315228	THERAS, INC.; LEIDOS BIOMEDICAL RESEARCH, INC.; LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	2022319755	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
2022315249	SARAVIS, D.	2022319908	CLEXTAL
2022315281	BAKER HUGHES OILFIELD OPERATIONS LLC	2022319915	NETRIS PHARMA; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM); UNIVERSITE CLAUDE BERNARD LYON 1; CENTRE LEON BERARD; HOSPICES CIVILS DE LYON
2022315304	FLAGSHIP PIONEERING INNOVATIONS VII, LLC	2022319933	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM; THE MEDICAL COLLEGE OF WISCONSIN, INC.
2022315352	HEFEI HAIER REFRIGERATOR CO.,LTD; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022319973	WONDERLAND SWITZERLAND AG
2022315538	UNIVERSITÉ CATHOLIQUE DE LOUVAIN	2022319982	K-FEE SYSTEM GMBH
2022315544	INNOUP FARMA, S.L.		
2022315552	NEURAXPHARM PHARMACEUTICALS, S.L.		
2022315553	I-MOP GMBH		
2022315648	EUROMAG INTERNATIONAL S.R.L.		
2022315803	NUOVO PIGNONE TECNOLOGIE - S.R.L.		
2022316057	CATERPILLAR INC.		
2022316103	ACCELERON PHARMA INC.		
2022316132	PINNACLE BIOLOGICS, INC.		
2022316149	ACURASTEM, INC.		
2022316174	SEAKEEPER, INC.		
2022316594	ARTRYA LIMITED		
2022316595	TISSUE REPAIR LTD		
2022316597	THE UNREEL CABLE COMPANY PTY LTD		
2022316795	REFLECTION MARINE NORGE AS		

## PCT applications which have entered the National Phase - Numerical Index cont'd

2022320041	TETHIS S.P.A.	2022325686	BISICHEM CO., LTD.
2022320128	GARRICK, G.A.L.; STEPHENS, J.W.; SLOAN, D.W.	2022325870	AMGEN INC.
2022320385	LG ELECTRONICS INC.	2022325955	SANA BIOTECHNOLOGY, INC.
2022320451	DE GREEF'S WAGEN-, CARROSSERIE- EN MA- CHINEBOUW B.V.	2022326451	THERAVIDA, INC.
2022320473	MATRIXNETS TECHNOLOGY CO., LTD.	2022326543	TRP INTERNATIONAL LLC
2022320627	ABCURO, INC.	2022326565	SANA BIOTECHNOLOGY, INC.
2022320696	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	2022326815	RANDOX LABORATORIES LTD
2022320714	R.P. SCHERER TECHNOLOGIES, LLC	2022326847	DELTATEK OIL TOOLS LIMITED
2022320784	LANDIS+GYR TECHNOLOGY, INC.	2022326935	TEIJIN LIMITED
2022320840	V. MANE FILS	2022326951	ISHIHARA SANGYO KAISHA, LTD.
2022320853	CENTRE HOSPITALIER UNIVERSITAIRE DE MONT- PELLIER; UNIVERSITÉ DE MONTPELLIER; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE	2022327355	SHANGHAI MAIUS PHARMACEUTICAL CO. LTD.
2022320883	BASF SE; NGK INSULATORS LTD.	2022327463	NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG
2022320898	TRACTEBEL ENGINEERING	2022327500	VOCALINK LIMITED
2022320925	BASF SE	2022327559	DUPONT NUTRITION BIOSCIENCES APS
2022320945	GLASPORT BIO LIMITED	2022327727	FEMAC S.R.L.
2022321810	INSTRUCTION GMBH	2022327731	SIPCAM OXON S.P.A.
2022321818	FRONIUS INTERNATIONAL GMBH	2022328220	THE WILL-BURT COMPANY
2022321857	SIEMENS AKTIENGESELLSCHAFT	2022328249	DESERT HARVEST, INC.
2022321880	ALL SUN; TECHNI-TERRE	2022328287	COLGATE-PALMOLIVE COMPANY
2022321897	MAYBORN (UK) LIMITED	2022328347	ALNYLAM PHARMACEUTICALS, INC.
2022321899	PETMEDIX LTD	2022328379	COLGATE-PALMOLIVE COMPANY
2022321905	EEKOWALL LIMITED	2022328632	HELIOGEN HOLDINGS, INC.
2022321945	COSENTINO RESEARCH & DEVELOPMENT, S.L.	2022328635	BWXT NUCLEAR ENERGY, INC.; ELLIS, E.
2022321978	BASF SE	2022328672	THE GILLETTE COMPANY LLC
2022322077	ARGENX BV	2022329086	BAYER AKTIENGESELLSCHAFT
2022322292	SUNTORY HOLDINGS LIMITED	2022329898	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2022322340	PANASONIC INTELLECTUAL PROPERTY CORPOR- ATION OF AMERICA	2022329968	F. HOFFMANN-LA ROCHE AG
2022322410	I-SENS, INC.	2022330226	HUAWEI TECHNOLOGIES CO., LTD.
2022322756	BECTON, DICKINSON AND COMPANY	2022330343	BAYER AKTIENGESELLSCHAFT
2022323006	BOARD OF TRUSTEES OF MICHIGAN STATE UNI- VERSITY	2022330384	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
2022323256	WESTROCK PACKAGING SYSTEMS, LLC	2022331169	KOMATSU LTD.
2022323271	ARRIS ENTERPRISES LLC	2022331227	CLOOZZ LTD
2022323293	STUDIENGESELLSCHAFT KOHLE gGmbH	2022331519	ABIOMED, INC.
2022323308	BLUE PRISM LIMITED	2022331659	QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.
2022323323	LANZATECH, INC.	2022331916	REDARC TECHNOLOGIES PTY LTD
2022323378	ECOLAB USA INC.	2022332095	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHO- PAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED
2022323419	SUPERNAL, LLC	2022332346	BIOBOT SURGICAL PTE LTD
2022323509	THE UNITED STATES OF AMERICA, AS REPRES- ENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2022332570	PLASSER & THEURER, EXPORT VON BAHNBAU- MASCHINEN, GESELLSCHAFT M.B.H.
2022323739	RESOLVE BIOSCIENCES GMBH	2022332786	QUANTUM ENERGY RESEARCH CENTRE (Q- CENTRE)
2022323749	PHARVARIS GMBH	2022333099	SUNSHINE LAKE PHARMA CO., LTD.
2022323754	MEDINCELL S.A.	2022333140	INNOPEAK TECHNOLOGY, INC.
2022323822	Q (CUE) LTD.	2022333153	CHINA UNIVERSITY OF PETROLEUM (EAST CHINA)
2022324003	ALNYLAM PHARMACEUTICALS, INC.	2022333208	THYSSENKRUPP STEEL EUROPE AG
2022324093	VOR BIOPHARMA INC.	2022334657	LINDE GMBH
2022324146	INFINIUM TECHNOLOGY, LLC	2022334840	UNI-PHARMA KLEON TSETIS PHARMACEUTICAL LABORATORIES S.A.
2022324377	LASHIFY, INC.	2022334969	CATHRX LTD
2022324567	QSC, LLC	2022335261	CONCEALFAB, INC.
2022324624	AMGEN INC.	2022335358	COLGATE-PALMOLIVE COMPANY
2022324791	NIPPON STEEL ENGINEERING CO., LTD.	2022335654	DEEPMIND TECHNOLOGIES LIMITED
2022325057	KARDION GMBH	2022337143	WILLIAM BEAUMONT HOSPITAL
2022325135	TRANSCEND THERAPEUTICS, INC.	2022338037	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHO- PAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED
2022325141	CYTOKINETICS, INC.	2022338442	TORAY INDUSTRIES, INC.
2022325166	THE BROAD INSTITUTE, INC.; PRESIDENT AND FELLOWS OF HARVARD COLLEGE	2022338639	HANMI FINE CHEMICAL CO., LTD.
2022325199	REGENERON PHARMACEUTICALS, INC.; THE ROY- AL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY	2022338728	NATIONAL UNIVERSITY OF SINGAPORE; ZHEJIANG UNIVERSITY
2022325231	SANA BIOTECHNOLOGY, INC.	2022338967	CYTIVA BIOPROCESS R&D AB
2022325232	SANA BIOTECHNOLOGY, INC.	2022339081	NICOVENTURES TRADING LIMITED
2022325367	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.	2022339756	UNIVERSITY OF FLORIDA RESEARCH FOUNDA- TION, INC.
2022325425	VACCINVENT GMBH; UNIVERSITÄT ULM	2022339779	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHO- PAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED

PCT applications which have entered the National Phase - Numerical Index cont'd

**2022339918** VIR BIOTECHNOLOGY, INC.  
**2022340950** REFLEX MARINE LTD  
**2022341700** JFE STEEL CORPORATION  
**2022342635** ORIGINAL BIOMEDICALS CO., LTD.  
**2022343183** FEMASYS INC.  
**2022343820** CASALE SA  
**2022343935** KINGS TREE INNOVATIONS LIMITED  
**2022346622** RAYTHEON COMPANY  
**2022346858** GRAIL, LLC  
**2022348976** CASSAVA SCIENCES, INC.  
**2022351261** INNOSPEC LIMITED  
**2022355172** KOMATSU LTD.  
**2022356197** AMGEN INC.  
**2022358307** AMGEN INC.  
**2022359008** TYCO FIRE PRODUCTS LP  
**2022361973** HALLIBURTON ENERGY SERVICES, INC.  
**2022368601** SUNGROW POWER SUPPLY CO., LTD.  
**2022369332** F. HOFFMANN-LA ROCHE AG  
**2022369879** HALLIBURTON ENERGY SERVICES, INC.  
**2022372428** HERMES PHARMA GMBH  
**2022378146** LEUNG, W.O.  
**2022378943** THYSSENKRUPP UHDE GMBH; THYSSENKRUPP AG  
  
**2022379150** SUMITOMO METAL MINING CO., LTD.  
**2022379904** ZHEJIANG NARADA POWER SOURCE CO., LTD.;  
 HANGZHOU NARADA POWER TECHNOLOGY CO., LTD.  
  
**2022386041** SUNGROW POWER SUPPLY CO., LTD.  
**2022386411** CHENGDU ADVANCED METAL MATERIALS INDUSTRY TECHNOLOGY RESEARCH INSTITUTE CO., LTD  
  
**2022386880** TOKUYAMA CORPORATION  
**2022404479** HEFEI TG IMMUNOPHARMA CO., LTD.  
**2022430604** JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.  
  
**2022434260** FRONIUS INTERNATIONAL GMBH  
**2022467173** CERTAIN TEED GYPSUM, INC.  
**2023204388** K61 BLAZER INVESTMENTS (PTY) LTD  
**2023210139** LG ENERGY SOLUTION, LTD.  
**2023223001** KUMAR, D.  
**2023238089** MCATARSNEY, B.; VANDENFONTYNE, J.  
**2023249429** ESKANDER, S.; GHOSAIN, R.  
**2023256470** GREEN LI-ION PTE. LTD  
**2023262105** FRONIUS INTERNATIONAL GMBH  
**2023296338** SHAANXI FUTURE ENERGY AND CHEMICALS CO., LTD.  
  
**2023298305** LEONARDO S.P.A.  
**2023301710** JEON, O.J.; SEO, S.W.; YIN, X.B.; KOOK, Y.J.; KIM, B.H.

IPC Index

<b><u>A01D 46 /-</u></b>	<b><u>A01N 41 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A45D 44 /-</u></b>	2022309373	2022301440
2022319711	2022299594	2022305950	2022324377	2022313270	2022302155
		2022311191	2022328672	2022316594	2022303310
<b><u>A01G 17 /-</u></b>	<b><u>A01N 43 /-</u></b>			2022317146	2022304939
2022299594	2022326951	<b><u>A23L 33 /-</u></b>	<b><u>A47C 27 /-</u></b>	2022322410	2022306297
	2022327731			2022334969	2022307932
	2022329086	2022304700	2022317146	2022337143	2022311904
<b><u>A01G 23 /-</u></b>	2022331659	2022311918			2022312170
2022327727			<b><u>A61B 6 /-</u></b>	2022316594	2022312193
	<b><u>A01N 47 /-</u></b>	<b><u>A23L 5 /-</u></b>			2022313210
<b><u>A01G 3 /-</u></b>	2022312193	2022304700	<b><u>A47D 13 /-</u></b>		2022313600
2022327727	2022326951			<b><u>A61B 8 /-</u></b>	2022313961
	2022327731	<b><u>A23P 10 /-</u></b>	<b><u>A47D 15 /-</u></b>	2022297921	2022313978
<b><u>A01G 33 /-</u></b>	<b><u>A01N 53 /-</u></b>	2022304700		2022305619	2022314016
2022296018	2022327731	2022305950	<b><u>A47G 19 /-</u></b>	2022332346	2022314802
					2022315058
<b><u>A01H 1 /-</u></b>	<b><u>A01N 59 /-</u></b>	<b><u>A23P 30 /-</u></b>	2022305010	<b><u>A61B 90 /-</u></b>	2022315228
2022301661	2022299594	2022319908			2022315552
	2022327731		<b><u>A47J 37 /-</u></b>	2022307690	2022316149
<b><u>A01H 3 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A24B 15 /-</u></b>	2022314509	<b><u>A61C 13 /-</u></b>	2022318751
2022318877	2022315304	2022302421			2022318885
			<b><u>A47J 43 /-</u></b>	2021458440	2022319598
<b><u>A01H 5 /-</u></b>	<b><u>A01P 1 /-</u></b>	<b><u>A24B 3 /-</u></b>	2022313099	<b><u>A61F 2 /-</u></b>	2022320714
2022301661	2022312193	2022302421			2022323293
2022318877			<b><u>A47L 11 /-</u></b>	2022301055	2022323509
	<b><u>A01P 13 /-</u></b>	<b><u>A24D 1 /-</u></b>	2022315553	2022310507	2022323749
<b><u>A01H 6 /-</u></b>	2022302421	2022302421	2022320385	2022314061	2022323754
2022301661		<b><u>A24D 3 /-</u></b>		2022332095	2022325367
2022318877	<b><u>A01P 3 /-</u></b>	2021294599	<b><u>A61B 1 /-</u></b>	2022338442	2022325686
	2022299594		2022339779	2022339779	2022326451
<b><u>A01K 11 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A24F 15 /-</u></b>	<b><u>A61F 5 /-</u></b>		2022338639
2022308528	2022327731	2022332346	2022317146		2022339756
				<b><u>A61K 33 /-</u></b>	2022342635
<b><u>A01K 29 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A24F 17 /-</u></b>	<b><u>A61B 10 /-</u></b>		2022369332
2022308528	2022299594	2022296783	2022338037		
		2022301055		<b><u>A61F 9 /-</u></b>	2022338728
<b><u>A01K 87 /-</u></b>	<b><u>A22B 3 /-</u></b>	2021294599	<b><u>A61B 17 /-</u></b>	2022315221	2022342635
2022313687	2022327731				
		<b><u>A24F 40 /-</u></b>	2022332346	<b><u>A61G 5 /-</u></b>	<b><u>A61K 35 /-</u></b>
<b><u>A01K 97 /-</u></b>	<b><u>A22C 21 /-</u></b>	<b><u>A24F 40 /-</u></b>		2022306051	2022306051
2022313687	2022315036	2022332095	2022296783	2022312311	2022312311
		2022334969	2022301055	2021454273	2022314616
<b><u>A01M 7 /-</u></b>	<b><u>A23F 5 /-</u></b>	2022343183	2022310131	<b><u>A61G 7 /-</u></b>	2022314744
2022302156	2022327463	2022343935	2022314050	2022315538	2022315538
			2022332095	2022324093	2022315538
<b><u>A01N 25 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A41G 5 /-</u></b>	2022334969	2022317146	2022325231
2022299594	2022311191		2022343183	2023223001	2022325232
2022326951	2022320945	<b><u>A61B 18 /-</u></b>	2022343935		2022325955
		2022307690		<b><u>A61H 3 /-</u></b>	2022326565
<b><u>A01N 31 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A43B 13 /-</u></b>		2021454273	2022338728
2022327731	2022311191	2022334969	<b><u>A61B 34 /-</u></b>		
	2022320945		2022307690	<b><u>A61J 1 /-</u></b>	<b><u>A61K 36 /-</u></b>
<b><u>A01N 37 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A43B 9 /-</u></b>	2022318882	2022313605	2022313978
2022326951	2022304700	2022319119	2022334969	2022358307	2022316595
2022327731					2022325135
		<b><u>A45C 11 /-</u></b>	<b><u>A61B 5 /-</u></b>	202233605	2022328249
		2022328672	2022307690	2022358307	
			2022310131		<b><u>A61K 38 /-</u></b>
		<b><u>A45C 5 /-</u></b>	2022318882	<b><u>A61K 31 /-</u></b>	2022298798
		2022328672	2022332346		2022306598
				2022297504	2022308120
				2022299331	2022311780
				2022300316	2022312311
				2022301056	2022316103
				2022301324	2022317808



PCT applications which have entered the National Phase - IPC Index cont'd

2022333099	2022335358	<u>A61P 1 /-</u>	<u>A61P 35 /-</u>	<u>A62C 37 /-</u>	<u>B01J 45 /-</u>
<u>A61K 39 /-</u>	<u>A61K 9 /-</u>	2022315552	2022297504	2022359008	2022379150
2022298781	2022298798	2022338728	2022298850	2023210139	
2022298850	2022305950	<u>A61P 11 /-</u>	2022302769		<u>B01L 3 /-</u>
2022307932	2022311904		2022303310	<u>A62C 5 /-</u>	2022304690
2022312311	2022313978	2022325686	2022304939	2022359008	
2022314744	2022315552	2022369332	2022306051		<u>B01L 9 /-</u>
2022317039	2022316595	<u>A61P 13 /-</u>	2022306297	<u>A63B 21 /-</u>	2022304690
2022317808	2022323749		2022312311	2022313167	
2022318257	2022323754	2022328249	2022313210		<u>B02C 13 /-</u>
2022318734	2022325870		2022313961	<u>A63F 13 /-</u>	2022307831
2022319933	2022326451	<u>A61P 15 /-</u>	2022314744	2021454211	2022327727
2022322077	2022334840		2022315228	<u>A63H 33 /-</u>	<u>B02C 17 /-</u>
2022323509	2022372428	2022301440	2022318161	2022301415	2021480195
2022324093	<u>A61L 2 /-</u>	<u>A61P 17 /-</u>	2022318257	<u>B01D 15 /-</u>	<u>B02C 18 /-</u>
2022325425			2022318734	2022298781	2022327727
2022325870	2022312193	<u>A61P 19 /-</u>	2022318751	<u>B01D 39 /-</u>	<u>B02C 23 /-</u>
2022339918		2022316595	2022319915	2021294599	2022307831
2022404479	<u>A61M 1 /-</u>	2022325686	2022320714	2022300890	<u>B03B 1 /-</u>
<u>A61K 41 /-</u>		<u>A61P 21 /-</u>	2022321899	<u>B01D 47 /-</u>	2022317364
	2022321897	<u>A61P 25 /-</u>	2022325367	2022331169	<u>B03D 1 /-</u>
2022316132	<u>A61M 25 /-</u>	2022306598	2022325686	<u>B01D 53 /-</u>	2022317364
2022325135		<u>A61P 27 /-</u>	2022327355	2022303142	<u>B05B 7 /-</u>
<u>A61K 45 /-</u>	2022334969	<u>A61P 29 /-</u>	2022404479	2022324146	2022318762
	2022338442	<u>A61P 31 /-</u>	<u>A61P 37 /-</u>	<u>B01F 101 /-</u>	<u>B06B 1 /-</u>
2022301324	2022343183	2022313258	2022307932	2022315544	2022329898
2022316103	<u>A61M 27 /-</u>	2022314055	2022312311	<u>B01F 25 /-</u>	<u>B09B 3 /-</u>
<u>A61K 47 /-</u>		<u>A61P 25 /-</u>	2022313210	2022315544	2022386880
	2022315221	2022299331	2022318751	<u>B01F 33 /-</u>	<u>B21D 1 /-</u>
2022298798	<u>A61M 35 /-</u>	2022301324	2022322077	2022316872	2023238089
2022301056		2022302155	2022325231	<u>B01F 35 /-</u>	<u>B22F 10 /-</u>
2022302769	2022318762	2022302155	2022325232	2022318762	2022328635
2022306598		2022315538	2022325425	<u>B01J 20 /-</u>	<u>B22F 3 /-</u>
2022308120	<u>A61M 37 /-</u>	2022317808	2022325686	2022321810	2022318888
2022311904		2022318751	2022325955	<u>B01J 21 /-</u>	<u>B22F 7 /-</u>
2022312311	2022299614	<u>A61P 27 /-</u>	2022404479	2022324146	2022318888
2022323754	2022310507	<u>A61P 29 /-</u>	<u>A61P 7 /-</u>	<u>B01J 23 /-</u>	<u>B25B 9 /-</u>
2022325870	<u>A61M 39 /-</u>	2022311780	2022298798	2022317342	2022324377
2022330343		2022314016	2022298827	<u>B01J 37 /-</u>	<u>B28B 1 /-</u>
2022334840	2022310131	2022316103	2022311013	2022305969	2022307459
2022338728	2022314562	<u>A61P 29 /-</u>	<u>A61P 9 /-</u>	<u>B01J 38 /-</u>	
2022404479		2022303310	2022318751		
<u>A61K 48 /-</u>	<u>A61M 5 /-</u>	2022312170		<u>B01F 33 /-</u>	<u>B21D 1 /-</u>
	2022310131	2022313210	<u>A61Q 11 /-</u>	2022316872	2023238089
2022298827	2022314562	2022325686		<u>B01F 35 /-</u>	<u>B22F 10 /-</u>
2022311904	2022356197	2022338728	2021461617	2022318762	2022328635
2022312311	<u>A61M 60 /-</u>	<u>A61P 3 /-</u>	2021462009	<u>B01J 20 /-</u>	<u>B22F 3 /-</u>
2022313258		2022315538	2022328287	2022321810	2022318888
2022314055	2022325057	2022325425	2022328379	<u>B01J 21 /-</u>	<u>B22F 7 /-</u>
2022339918	2022331519	2022333099	2022335358	2022324146	2022318888
<u>A61K 49 /-</u>	<u>A61N 1 /-</u>	<u>A61P 31 /-</u>	<u>A61Q 13 /-</u>	<u>B01J 21 /-</u>	<u>B22F 7 /-</u>
		2022300316	2022318751	2022324146	2022318888
2022342635	2022296509	2022307932	<u>A61Q 19 /-</u>	<u>B01J 23 /-</u>	<u>B25B 9 /-</u>
<u>A61K 51 /-</u>	2022299056	2022313600		2022317342	2022324377
	<u>A61N 2 /-</u>	2022315058	2022316595	<u>B01J 37 /-</u>	<u>B28B 1 /-</u>
2022319915		2022317039	<u>A62C 3 /-</u>	2022305969	2022307459
<u>A61K 8 /-</u>	2022306382	2022319598		<u>B01J 38 /-</u>	
	<u>A61N 5 /-</u>	2022323293	2021456834		
2021461617		2022323509	2023210139	<u>B01J 38 /-</u>	
2021462009	2022316132	2022325425	<u>A62C 35 /-</u>		
2022316132		2022404479		2022305969	
2022316595			2022359008		
2022320840					
2022328287					
2022328379					

PCT applications which have entered the National Phase - IPC Index cont'd

<b><u>B28B 19 /-</u></b>			<b><u>B65B 25 /-</u></b>	<b><u>C01C 1 /-</u></b>	<b><u>C04B 33 /-</u></b>
2022307459	<b><u>B60H 1 /-</u></b>	<b><u>B63B 25 /-</u></b>	2022320451	2022378943	2022321945
	2022300434	2022302859			
<b><u>B29B 17 /-</u></b>	2022317094		<b><u>B65B 3 /-</u></b>		<b><u>C04B 35 /-</u></b>
		<b><u>B63B 32 /-</u></b>	2022358307	<b><u>C01D 1 /-</u></b>	2022321945
2022321880	<b><u>B60K 15 /-</u></b>	2022312943		2022303142	2022332786
			<b><u>B65B 35 /-</u></b>		
<b><u>B29C 35 /-</u></b>	2022319609	<b><u>B63B 35 /-</u></b>	2022320451	<b><u>C01D 15 /-</u></b>	<b><u>C07C 211 /-</u></b>
		2022320898		2022379150	2022303142
2022314142	<b><u>B60L 1 /-</u></b>		<b><u>B65B 5 /-</u></b>		
		<b><u>B63B 39 /-</u></b>	2022320451	<b><u>C01G 31 /-</u></b>	<b><u>C07C 225 /-</u></b>
<b><u>B29C 39 /-</u></b>	2022300434	2022316174		2022386411	2022299331
			<b><u>B65B 57 /-</u></b>		
2022299614	<b><u>B60L 53 /-</u></b>	<b><u>B63B 49 /-</u></b>	2022320451	<b><u>C01G 53 /-</u></b>	<b><u>C07C 227 /-</u></b>
		2022316174		2022320925	2022323378
<b><u>B29C 43 /-</u></b>	2022434260		<b><u>B65D 51 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07C 253 /-</u></b>
		<b><u>B63B 79 /-</u></b>	2022328672		
2022331916	<b><u>B60N 2 /-</u></b>	2022316174		2022299062	2022325141
			<b><u>B65D 71 /-</u></b>	2022300890	
<b><u>B29C 48 /-</u></b>	2022300303	<b><u>B63H 20 /-</u></b>		2022317364	<b><u>C07C 255 /-</u></b>
	2022306574	2022316057	<b><u>B65D 77 /-</u></b>	2022321810	
2022319908	2022319973			2022379150	2022325141
		<b><u>B63H 21 /-</u></b>	2022326951	2023296338	
<b><u>B29C 64 /-</u></b>	<b><u>B60P 1 /-</u></b>	2022315141		<b><u>C02F 101 /-</u></b>	<b><u>C07C 313 /-</u></b>
		2022316057	<b><u>B65D 85 /-</u></b>		2022325141
2022328635	2022355172	2022316174		2022299062	
		2022316863		2022378146	<b><u>C07C 51 /-</u></b>
<b><u>B29C 70 /-</u></b>	<b><u>B60P 3 /-</u></b>		<b><u>B65D 85 /-</u></b>	2023296338	2022304939
		<b><u>B63H 21 /-</u></b>			
2022314142	2022355172	2022315141		<b><u>C02F 103 /-</u></b>	<b><u>C07C 53 /-</u></b>
		2022316057	<b><u>B65H 49 /-</u></b>	2022299062	2022304939
<b><u>B29D 22 /-</u></b>	<b><u>B60P 7 /-</u></b>	2022316174			
		2022316863	<b><u>B65H 75 /-</u></b>	<b><u>C02F 3 /-</u></b>	<b><u>C07D 213 /-</u></b>
2022317146	2022302859				2022313600
		<b><u>B63H 23 /-</u></b>	2022317290	<b><u>C02F 5 /-</u></b>	<b><u>C07D 237 /-</u></b>
<b><u>B29K 23 /-</u></b>	<b><u>B60R 16 /-</u></b>	2022315141	2022318260		2022304254
		2022316057	2022318371	<b><u>C02F 9 /-</u></b>	<b><u>C07D 261 /-</u></b>
2022321880	2022331916	2022316863	2022319982	2022378146	2022331659
			2022326951	2023296338	
<b><u>B29L 31 /-</u></b>	<b><u>B60T 13 /-</u></b>				<b><u>C07D 401 /-</u></b>
		<b><u>B63H 25 /-</u></b>	<b><u>B66F 11 /-</u></b>	<b><u>C03C 10 /-</u></b>	2022297504
2022321880	2022326543	2022316597			2022306297
			<b><u>B66F 7 /-</u></b>	<b><u>C03C 14 /-</u></b>	2022313210
<b><u>B32B 13 /-</u></b>	<b><u>B61D 15 /-</u></b>	2022316057			2022313600
		<b><u>B64C 27 /-</u></b>	2022316597	<b><u>C03C 3 /-</u></b>	2022313961
2022307459	2022332570	2022323419		2022378146	2022315058
			<b><u>B66F 9 /-</u></b>	2023296338	2022318751
<b><u>B32B 21 /-</u></b>	<b><u>B61D 17 /-</u></b>				2022325686
		<b><u>B64C 29 /-</u></b>	<b><u>B66F 11 /-</u></b>	<b><u>C03C 10 /-</u></b>	2022327355
2022305591	2022332570	2022323419			
			<b><u>B66F 7 /-</u></b>	<b><u>C03C 14 /-</u></b>	<b><u>C07D 401 /-</u></b>
<b><u>B32B 27 /-</u></b>	<b><u>B61D 45 /-</u></b>	2022323419			2022297504
		<b><u>B64D 1 /-</u></b>	2021464668	<b><u>C03C 4 /-</u></b>	2022315228
2021294599	2022302859	2023298305	2022302859		2022318751
				<b><u>C04B 28 /-</u></b>	<b><u>C07D 405 /-</u></b>
<b><u>B32B 29 /-</u></b>	<b><u>B61F 1 /-</u></b>	<b><u>B64D 11 /-</u></b>	<b><u>B66F 9 /-</u></b>		
		2022306574		2022307459	
2021294599	2022332570		<b><u>B66F 9 /-</u></b>		
		<b><u>B64F 1 /-</u></b>		<b><u>C03C 3 /-</u></b>	<b><u>C07D 403 /-</u></b>
<b><u>B32B 7 /-</u></b>	<b><u>B62D 15 /-</u></b>	2021403736	2022328220		2022297504
				<b><u>C04B 28 /-</u></b>	2022313600
2022307459	2022297527	<b><u>B64G 1 /-</u></b>	<b><u>B82Y 10 /-</u></b>		2022327355
		2022306574		<b><u>C03C 4 /-</u></b>	
<b><u>B33Y 50 /-</u></b>	<b><u>B62D 49 /-</u></b>		2022317520		
		<b><u>B64G 1 /-</u></b>		<b><u>C03C 4 /-</u></b>	<b><u>C07D 403 /-</u></b>
2022328635	2022297526	2023298305	<b><u>B82Y 5 /-</u></b>		2022315228
				<b><u>C03C 4 /-</u></b>	2022318751
<b><u>B60B 33 /-</u></b>	<b><u>B62D 53 /-</u></b>	202231497	2022338728		
				<b><u>C04B 28 /-</u></b>	<b><u>C07D 405 /-</u></b>
2022301415	2022297526	<b><u>B64G 3 /-</u></b>	<b><u>C01B 3 /-</u></b>		
2022305584	2022297527	202231497		2022307459	2022297504
			<b><u>C01B 32 /-</u></b>		2022313600
<b><u>B60D 1 /-</u></b>	<b><u>B62D 55 /-</u></b>				2022327355
		<b><u>B64G 1 /-</u></b>	<b><u>C01B 32 /-</u></b>		
2022297527	2022319625	2022300890			

PCT applications which have entered the National Phase - IPC Index cont'd

<b><u>C07D 409 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08F 8 /-</u></b>	<b><u>C10L 9 /-</u></b>	<b><u>C12N 7 /-</u></b>	<b><u>C23F 11 /-</u></b>
2022313600	2022338967	2022321978	2022317342	2022302552	2022323378
2022315228	<b><u>C07K 14 /-</u></b>		2022324791	2022307932	<b><u>C25B 1 /-</u></b>
<b><u>C07D 413 /-</u></b>	2022298798	<b><u>C08G 59 /-</u></b>	<b><u>C10N 30 /-</u></b>	<b><u>C12N 9 /-</u></b>	2022303142
2022313600	2022301661	2022326935	2022323378	2022298827	2022378943
2022318751	2022306051			2022311013	<b><u>C25B 15 /-</u></b>
2022325141	2022308120	<b><u>C08G 73 /-</u></b>	<b><u>C11D 1 /-</u></b>	2022323323	2022305969
2022325367	2022312311	2022312193	2022323378	2022325166	2022378943
	2022313183			2022339918	
<b><u>C07D 417 /-</u></b>	2022314734	<b><u>C08J 11 /-</u></b>	<b><u>C11D 3 /-</u></b>	<b><u>C12P 7 /-</u></b>	<b><u>C40B 30 /-</u></b>
2022297504	2022315304	2022386880	2022309879	2022323323	2022318751
2022313600	2022316103		2022309880		
2022315228	2022317039	<b><u>C08J 5 /-</u></b>	2022309881	<b><u>C12Q 1 /-</u></b>	<b><u>D05C 15 /-</u></b>
2022318751	2022318257	2022326935	2022311786	2022297174	2022310737
2022329086	2022323509		2022323378	2022318379	
	2022326565	<b><u>C08K 5 /-</u></b>	<b><u>C12M 3 /-</u></b>	2022323739	<b><u>D06F 34 /-</u></b>
<b><u>C07D 471 /-</u></b>	2022327559	2022305591	2022316872		2022302747
2022303310	2022333099	2022321978		<b><u>C22B 1 /-</u></b>	2022304447
2022304254	2022338967	2022326935	<b><u>C12N 1 /-</u></b>	2022333208	
2022304939	2022339918		2022323323	<b><u>C22B 26 /-</u></b>	<b><u>D06F 37 /-</u></b>
2022313600	2022348976	<b><u>C08L 101 /-</u></b>		2022379150	2022304447
2022315228	<b><u>C07K 16 /-</u></b>	2022326935	<b><u>C12N 15 /-</u></b>	20223256470	
2022325686	2022298781		2022298827	<b><u>C22B 3 /-</u></b>	<b><u>D06F 58 /-</u></b>
2022369332	2022298850	<b><u>C08L 63 /-</u></b>	2022298850	20223256470	2022304447
<b><u>C07D 487 /-</u></b>	2022306051	2022326935	2022299169		
2022297504	2022307932		2022302552	<b><u>C22B 4 /-</u></b>	<b><u>D06M 15 /-</u></b>
2022313600	2022312311	<b><u>C09D 151 /-</u></b>	2022306051	2022333208	2022323378
2022315228	2022314734	2022321978	2022311013		
2022319598	2022314744		2022312170	<b><u>C22B 47 /-</u></b>	<b><u>E01F 13 /-</u></b>
2022320714	2022317808	<b><u>C09J 189 /-</u></b>	2022312311	2022333208	2023249429
2022323293	2022318161	2022305591	2022313183		
<b><u>C07D 491 /-</u></b>	2022318257		2022313258	<b><u>C22B 5 /-</u></b>	<b><u>E01H 3 /-</u></b>
2022300316	2022319915	<b><u>C09K 8 /-</u></b>	2022313315	2022333208	2022355172
	2022319933	2022323378	2022314055		
<b><u>C07D 498 /-</u></b>	2022320627	2022369879	2022314616	<b><u>C22B 9 /-</u></b>	<b><u>E02B 3 /-</u></b>
2022313600	2022321899		2022314802	2022333208	2022296874
2022369332	2022322077	<b><u>C10B 53 /-</u></b>	2022316149		
	2022323509	2022324791	2022318881	<b><u>C22C 9 /-</u></b>	<b><u>E02D 27 /-</u></b>
<b><u>C07D 519 /-</u></b>	2022324624		2022323323	2022311806	2022340950
2022304939	2022325425	<b><u>C10G 2 /-</u></b>	2022324003		
2022369332	2022325870	2022324146	2022324093	<b><u>C22C 21 /-</u></b>	<b><u>E02D 5 /-</u></b>
	2022333099		2022325166	202231806	2022340950
<b><u>C07D 519 /-</u></b>	2022404479	<b><u>C10G 75 /-</u></b>	2022325199	<b><u>C22C 29 /-</u></b>	<b><u>E02F 9 /-</u></b>
2022304939	<b><u>C07K 17 /-</u></b>	2022323378	2022325231	2022318888	2022319632
2022369332	2022324624		2022325232	<b><u>C22C 32 /-</u></b>	
<b><u>C07F 5 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C10L 1 /-</u></b>	2022325955	2022318888	<b><u>E04B 1 /-</u></b>
2022339756	2022308120	2022351261	2022326565		2022297890
	2022312311		2022327559	<b><u>C23C 14 /-</u></b>	2022297891
<b><u>C07F 7 /-</u></b>	<b><u>C08B 37 /-</u></b>	<b><u>C10L 10 /-</u></b>	2022328347	2022332786	2022299665
2022304939	2022316595	2022317342	2022338639	<b><u>C23C 16 /-</u></b>	2022302820
		2022323378	2022339918	2022332786	2022321905
<b><u>C07F 9 /-</u></b>	<b><u>C08F 2 /-</u></b>		2022404479		
2022297504	2022317269	<b><u>C10L 5 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C23C 2 /-</u></b>	<b><u>E04B 2 /-</u></b>
		2022317342	2022302552	2022341700	2022297890
<b><u>C07H 15 /-</u></b>	<b><u>C08F 20 /-</u></b>	2022323378	2022312311		2022297891
2022328249	2022339756	2022351261	2022313183		2022299665
			2022325231		2022302820
<b><u>C07H 21 /-</u></b>	<b><u>C08F 220 /-</u></b>		2022325232		2022321905
2022338639	2022317269	2022317342	2022325955		
	2022339756	2022324791	2022404479		2022297890
					2022297891
					2022299665

PCT applications which have entered the National Phase - IPC Index cont'd

2022302820	<b><u>F01K 27 /-</u></b>			<b><u>G01F 15 /-</u></b>	<b><u>G05D 1 /-</u></b>
2022321905		<b><u>F16C 33 /-</u></b>	<b><u>F24S 20 /-</u></b>		
<b><u>E04C 2 /-</u></b>	2022297433	2022316878	2022328632	2022315648	2022297526
	<b><u>F01N 11 /-</u></b>			<b><u>G01F 23 /-</u></b>	<b><u>G05D 23 /-</u></b>
2022307459		<b><u>F16D 121 /-</u></b>	<b><u>F24S 25 /-</u></b>		
2022321945	2022317060	2022326543	2022313577	2022356197	2022315249
<b><u>E04C 3 /-</u></b>	<b><u>F01N 3 /-</u></b>			<b><u>G01M 11 /-</u></b>	<b><u>G06F 1 /-</u></b>
		<b><u>F16D 125 /-</u></b>	<b><u>F24S 30 /-</u></b>	2022312733	2022300206
2022302820	2022318888	2022326543	2022328632	<b><u>G01M 3 /-</u></b>	<b><u>G06F 21 /-</u></b>
<b><u>E04F 13 /-</u></b>	<b><u>F02D 41 /-</u></b>	<b><u>F16D 55 /-</u></b>	<b><u>F24S 60 /-</u></b>	2022331916	2022303261
		2022326543	2022328632	<b><u>G01M 5 /-</u></b>	2022323308
2022467173	2022317060			2022312733	<b><u>G06F 3 /-</u></b>
<b><u>E04G 1 /-</u></b>	<b><u>F03B 17 /-</u></b>	<b><u>F16D 65 /-</u></b>	<b><u>F24S 70 /-</u></b>		
		2022326543	2022328632	<b><u>G01N 1 /-</u></b>	2022313085
2021464668	2022297433			2022320041	<b><u>G06F 40 /-</u></b>
<b><u>E04G 21 /-</u></b>	<b><u>F03D 3 /-</u></b>	<b><u>F16G 11 /-</u></b>	<b><u>F24S 80 /-</u></b>		
		2022302820	2022328632	<b><u>G01N 15 /-</u></b>	2022299468
2022302820	2023301710			2022322756	<b><u>G06F 8 /-</u></b>
<b><u>E04H 12 /-</u></b>	<b><u>F03D 7 /-</u></b>	<b><u>F16H 59 /-</u></b>	<b><u>F25B 39 /-</u></b>	2022333153	
		2022316863	2022317931	<b><u>G01N 21 /-</u></b>	2022317371
2022328220	2022430604			2022310329	<b><u>G06F 9 /-</u></b>
2022335261		<b><u>F16H 61 /-</u></b>	<b><u>F25D 11 /-</u></b>	2022322756	2022296509
<b><u>E04H 9 /-</u></b>	<b><u>F03D 9 /-</u></b>	2022316863	2022315352	2022356197	2022317371
		2022314118	2022315352	<b><u>G01N 30 /-</u></b>	<b><u>G06K 19 /-</u></b>
2022302820	2023301710			2022298781	2022303261
<b><u>E21B 17 /-</u></b>	<b><u>F04B 35 /-</u></b>	<b><u>F17C 5 /-</u></b>	<b><u>F25D 23 /-</u></b>	<b><u>G01N 33 /-</u></b>	2022320473
		2022334657	2022299989	2022297690	<b><u>G06N 10 /-</u></b>
2022326847	2022315803			2022298850	2022317520
<b><u>E21B 19 /-</u></b>	<b><u>F04B 39 /-</u></b>	<b><u>F17C 9 /-</u></b>	<b><u>F25J 3 /-</u></b>	2022307932	<b><u>G06N 20 /-</u></b>
		2022334657	2022299989	2022313877	2022307690
2022326847	2022315803			2022313978	
<b><u>E21B 23 /-</u></b>	<b><u>F04B 41 /-</u></b>	<b><u>F21S 9 /-</u></b>	<b><u>F28D 20 /-</u></b>	2022316872	<b><u>G06N 3 /-</u></b>
		2023301710	2022308995	2022317060	2021452086
2022315281	2021462152			2022320853	2022323271
<b><u>E21B 33 /-</u></b>	<b><u>F04B 49 /-</u></b>	<b><u>F21V 29 /-</u></b>	<b><u>F28F 9 /-</u></b>	2022326815	2022335654
		2023301710	2022317931	2022348976	
2021467199	2021462152			2022404479	<b><u>G01N 35 /-</u></b>
2021473847		<b><u>F23G 5 /-</u></b>	<b><u>G01B 5 /-</u></b>		<b><u>G06N 5 /-</u></b>
2022315281	<b><u>F04C 23 /-</u></b>	2022317342	2022307690	2022297174	2022327500
2022369879	2021462152			2022320041	
<b><u>E21B 41 /-</u></b>	<b><u>F04D 25 /-</u></b>	<b><u>F23K 1 /-</u></b>	<b><u>G01C 21 /-</u></b>		<b><u>G06Q 10 /-</u></b>
		2022317342	2022297526	<b><u>G01S 13 /-</u></b>	2022298773
2022369879	2021462152			2022311497	2022301944
<b><u>E21B 43 /-</u></b>	<b><u>F16B 17 /-</u></b>	<b><u>F24F 12 /-</u></b>	<b><u>G01D 1 /-</u></b>		2022309265
		2022317094	2022299298	<b><u>G01V 1 /-</u></b>	2022318614
2021473847	2022331227			2022316795	2022318615
2022315281		<b><u>F24F 13 /-</u></b>	<b><u>G01F 1 /-</u></b>	2022317645	2023204388
2022361973	2022302820			<b><u>G02C 11 /-</u></b>	<b><u>G06Q 20 /-</u></b>
<b><u>E21B 47 /-</u></b>	<b><u>F16B 2 /-</u></b>	<b><u>F24H 1 /-</u></b>	<b><u>G01F 11 /-</u></b>	2022331227	2022297884
		2022317094	2022321857		2022327500
2022317645	2022302820			<b><u>G03F 7 /-</u></b>	<b><u>G06Q 30 /-</u></b>
<b><u>E21B 49 /-</u></b>	<b><u>F16B 4 /-</u></b>	<b><u>F24S 10 /-</u></b>		2022299614	2022298773
		2022317931			
2022361973	2022331227				
<b><u>F01K 25 /-</u></b>	<b><u>F16B 7 /-</u></b>				
2022302820	2022302820				
2022335261	2022335261				
2022297433	<b><u>F16C 19 /-</u></b>				
2022316878	2022316878				

PCT applications which have entered the National Phase - IPC Index cont'd

2022307935 2022318615	<b><u>G06Q 50/-</u></b>	<b><u>H01L 21/-</u></b>	<b><u>H02J 13/-</u></b>	<b><u>H04L 12/-</u></b>	<b><u>H04W 72/-</u></b>
	2022346858	2022311918	2022299298	2022308737 2022313542 2022317220	2022322340
2022307935 2022308528 2022318614	<b><u>G06T 13/-</u></b>	<b><u>H01L 29/-</u></b>	<b><u>H02J 15/-</u></b>	<b><u>H04L 41/-</u></b>	<b><u>H04W 74/-</u></b>
	2022346858	2022311918	2022378943	2022307935 2022327500	2022330226
2021452086	<b><u>G06T 17/-</u></b>	<b><u>H01L 31/-</u></b>	<b><u>H02J 3/-</u></b>	<b><u>H04L 45/-</u></b>	<b><u>H04W 8/-</u></b>
	2022329968	2022323006	2022299298 2022321818 2022378943	2022313542 2022317220	2022322340
2022292160	<b><u>G06T 19/-</u></b>	<b><u>H01M 10/-</u></b>	<b><u>H02J 50/-</u></b>	<b><u>H04L 47/-</u></b>	<b><u>H05B 1/-</u></b>
	2022329968	2021456834 2022315249 2022320883 2023210139 2023256470	2022296792	2022317220	2022315249
2022313085	<b><u>G06T 7/-</u></b>	<b><u>H01M 4/-</u></b>	<b><u>H02J 7/-</u></b>	<b><u>H04L 67/-</u></b>	<b><u>H05B 47/-</u></b>
	2022296509 2022299056 2022299468 2022307690 2022317056 2022329968 2022331519 2022356197 2022358307	2022311806 2022379150	2022296509 2022299056 2022300206 2022386041 2022434260	2022327500	2022308616
2022297515 2022297921 2022356197	<b><u>G06V 10/-</u></b>	<b><u>H01M 50/-</u></b>	<b><u>H02M 1/-</u></b>	<b><u>H04L 9/-</u></b>	<b><u>H05B 6/-</u></b>
	2022297515 2022297921 2022307690	2021456834 2022320883 2022379904 2023210139	2022319755 2022320696 2022321818 2022386041	2022313542 2022317099	2022314142
2022292160 2022297515	<b><u>G06V 20/-</u></b>	<b><u>H01M 8/-</u></b>	<b><u>H02M 3/-</u></b>	<b><u>H04M 1/-</u></b>	<b><u>H05K 5/-</u></b>
	2022296509 2022299056 2022307690 2022329968 2022331519 2022358307	2022331169	2022308812 2022319017	2022315249	2022317851 2022331916
2022323822	<b><u>G07G 1/-</u></b>	<b><u>H01Q 1/-</u></b>	<b><u>H02M 7/-</u></b>	<b><u>H04N 19/-</u></b>	<b><u>H05K 7/-</u></b>
	2022358307	2022335261 2022346622	2022319016 2022319017 2022319755	2022330384 2022333140	2022317851 2022319017 2022331916 2023262105
2023204388	<b><u>G08B 1/-</u></b>	<b><u>H01Q 21/-</u></b>	<b><u>H02N 11/-</u></b>	<b><u>H04Q 9/-</u></b>	<b><u>H10N 10/-</u></b>
	2021457819 2022296509 2022299056 2022299468 2022307690 2022309373 2022313270 2022313877 2022316594 2022317056 2022331519	2022346622	2023301710	2022308528	2023301710
2022299056	<b><u>G08B 17/-</u></b>	<b><u>H01R 13/-</u></b>	<b><u>H02S 20/-</u></b>	<b><u>H04R 1/-</u></b>	<b><u>H10N 30/-</u></b>
	2022299056 2022299468 2022307690 2022309373	2022300206	2022313577 2022323006	2022308681 2022324567 2022329898	2022329898
2022320128 2023210139	<b><u>G08B 21/-</u></b>	<b><u>H01R 9/-</u></b>	<b><u>H02S 40/-</u></b>	<b><u>H04R 27/-</u></b>	
	2022313270 2022313877 2022316594 2022317056 2022331519	2022368601	2022319016 2022319017 2022319755	2022308681	
2022296509 2022299056 2022329968	<b><u>G08B 29/-</u></b>	<b><u>H02B 1/-</u></b>	<b><u>H03L 7/-</u></b>	<b><u>H04R 3/-</u></b>	
	2022296509 2022299056 2022346858	2022331916	2022320784	2022324567	
2022320128	<b><u>G08B 3/-</u></b>	<b><u>H02G 3/-</u></b>	<b><u>H04B 10/-</u></b>	<b><u>H04R 5/-</u></b>	
	2022329968	2022296792 2022303304	2022308616	2022324567	
2022320128	<b><u>H01J 37/-</u></b>	<b><u>H02G 9/-</u></b>	<b><u>H04B 17/-</u></b>	<b><u>H04S 7/-</u></b>	
	2022328635	2022299606 2022303304	2022323271	2022308681	
2023249429		<b><u>H02H 9/-</u></b>	<b><u>H04L 1/-</u></b>	<b><u>H04W 12/-</u></b>	
		2021454302	2022297884 2022313924	2022317099	
		<b><u>H02J 1/-</u></b>		<b><u>H04W 4/-</u></b>	
		2021454302		2022308528 2022317220	
				<b><u>H04W 56/-</u></b>	
				2022320784	

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*C09J 11/06* ( 2006.01 )  
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*C08K 5/5415* ( 2006.01 )  
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**C08G 18/12** ( 2006.01 )  
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**A61K 31/13** ( 2006.01 )  
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*C07F 9/6561* ( 2006.01 )  
*C07H 19/14* ( 2006.01 )  
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 (74) Griffith Hack

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(71) Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.  
 (11) AU-B-2019259549  
 (21) 2019259549 (22) 15.04.2019  
 (54) Beverage, bottled beverage, and method for suppressing aggregation of bacterial cells or treated bacterial cell product  
 (51) Int. Cl.  
*A23L 2/38* ( 2006.01 )  
*A23L 2/84* ( 2006.01 )  
 (87) WO2019/208291  
 (31) 2018-086256 (32) 27.04.18 (33) JP  
 (43) 31.10.2019  
 (44) 08.02.2024  
 (72) MATSUURA, Keiichi; HIGUCHI, Toshimasa  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Atlas Copco Airpower, Naamloze Venootschap  
 (11) AU-B-2018262341  
 (21) 2018262341 (22) 13.03.2018  
 (54) Transmission and compressor or vacuum pump provided with such a transmission  
 (51) Int. Cl.  
*F04C 29/12* ( 2006.01 )  
 (87) WO2018/203151  
 (31) 62/501,245 (32) 04.05.17 (33) US  
 2018/5038 24.01.18 BE  
 (43) 08.11.2018  
 (44) 08.02.2024  
 (72) Van Hove, Linus; De Man, Steven  
 (74) Davies Collison Cave Pty Ltd

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ATLAS ELEKTRONIK GmbH see thyssenkrupp AG  
 (21) 2021350240

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(71) Atlas Power Technologies Inc.  
 (11) AU-B-2020455964  
 (21) 2020455964 (22) 17.12.2020  
 (54) Activated carbon pore size distribution and applications thereof  
 (51) Int. Cl.  
*H01G 11/78* ( 2013.01 )  
*C01B 32/312* ( 2017.01 )  
*H01G 11/00* ( 2013.01 )  
 (87) WO2022/000070  
 (31) 3085190 (32) 30.06.20 (33) CA



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(43) 06.01.2022  
 (44) 08.02.2024  
 (72) MILLER, Mitchell; LIU, Jian; KHOS-ROZADEH, Ali  
 (74) AJ Pietras IP Limited

(71) Aurinia Pharmaceuticals Inc.  
 (11) AU-B-2018266850  
 (21) 2018266850 (22) 11.05.2018  
 (54) Improved protocol for treatment of lupus nephritis

(51) Int. Cl.  
**A61K 38/13** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**C07K 7/64** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )

(87) WO2018/207026  
 (31) 62/505,734 (32) 12.05.17 (33) US  
 15/835,219 07.12.17 US  
 62/541,612 04.08.17 US

(43) 15.11.2018  
 (44) 08.02.2024  
 (72) Solomons, Neil; Huizinga, Robert B.  
 (74) Griffith Hack

(71) Aurora Flight Sciences Corporation  
 (11) AU-B-2019202757  
 (21) 2019202757 (22) 18.04.2019  
 (54) Adaptive autonomy system architecture  
 (51) Int. Cl.

**G05D 1/00** ( 2006.01 )  
 (31) 15/957,003 (32) 19.04.18 (33) US  
 (43) 07.11.2019  
 (44) 08.02.2024  
 (72) RYAN, Jason; SAUNDERS, Jeffery  
 (74) FB Rice Pty Ltd

(71) Austin Star Detonator Company  
 (11) AU-B-2018309031  
 (21) 2018309031 (22) 02.08.2018  
 (54) Automatic method and apparatus for logging preprogrammed electronic detonators

(51) Int. Cl.  
**F42D 1/05** ( 2006.01 )  
 (87) WO2019/028202  
 (31) 62/541,164 (32) 04.08.17 (33) US  
 (43) 07.02.2019  
 (44) 08.02.2024

(72) HOWE, Larry S.; PAPILLON, Bryan S.; KRIVANEK, Pavel; TEOWEE, Gimtong  
 (74) PHILLIPS ORMONDE FITZPATRICK

**Australian Nuclear Science and Technology Organisation see Iluka Resources Limited**  
 (21) 2021221764

(71) Autonomous Stuff, LLC  
 (11) AU-B-2018369875  
 (21) 2018369875 (22) 15.11.2018  
 (54) Systems and method for controlling a vehicle  
 (51) Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**B60W 30/14** ( 2006.01 )

**B60W 50/02** ( 2012.01 )  
 (87) WO2019/099632  
 (31) 15/814,152 (32) 15.11.17 (33) US  
 (43) 23.05.2019  
 (44) 08.02.2024  
 (72) DRISCOLL, Joseph; WHITLEY, Joshua; IMIG, Nathan; LAMPRECHT, Terry; BUCKNER, Joseph; HAMBRICK, Robert  
 (74) Spruson & Ferguson

(71) Avent Investment, LLC  
 (11) AU-B-2019261705  
 (21) 2019261705 (22) 06.11.2019  
 (54) DEVICE AND METHOD TO SELECTIVELY AND REVERSIBLY MODULATE A NERVOUS SYSTEM STRUCTURE TO INHIBIT THE PERCEPTION OF PAIN  
 (51) Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )

(31) 62/776,908 (32) 07.12.18 (33) US  
 (43) 25.06.2020  
 (44) 08.02.2024  
 (72) Schepis, Eric A.; Page, David M.; Schorr, Phillip A.; Sastry, Shyamy R.; Roldan, Leah; Alexeeva, Natalia; Caldwell, Ryan; Soin, Amol  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Axure Software Solutions, Inc.  
 (11) AU-B-2019325910  
 (21) 2019325910 (22) 29.07.2019  
 (54) Multi-view masters for graphical designs  
 (51) Int. Cl.  
**G06F 9/451** ( 2018.01 )  
**G06F 3/048** ( 2013.01 )  
 (87) WO2020/040942  
 (31) 16/106,547 (32) 21.08.18 (33) US  
 (43) 27.02.2020  
 (44) 08.02.2024  
 (72) HSU, Victor; SMITH, Martin; GARDNER, Ian; GOURLEY, Robert  
 (74) Phillips Ormonde Fitzpatrick

(71) Babcock Power Services, Inc.  
 (11) AU-B-2018271244  
 (21) 2018271244 (22) 26.11.2018  
 (54) Dual fuel direct ignition burners  
 (51) Int. Cl.  
**F23D 23/00** ( 2006.01 )  
 (31) 15/825,590 (32) 29.11.17 (33) US  
 (43) 13.06.2019  
 (44) 08.02.2024  
 (72) BLACK, Stephen; ROLL, Patrick; GRAMES, Michael; GOODWIN, Max; BICCUM, Justin; LEGAULT, Raymond; SOARES, Bruce; DORMAN, Darrell  
 (74) Griffith Hack

(71) Baker Hughes Holdings, LLC  
 (11) AU-B-2021282548  
 (21) 2021282548 (22) 10.12.2021

(54) Plug formed from a disintegrate on demand (DOD) material  
 (51) Int. Cl.  
**E21B 33/12** ( 2006.01 )  
**E21B 29/02** ( 2006.01 )  
 (43) 06.01.2022  
 (44) 08.02.2024  
 (62) 2018353857  
 (72) Xu, Yingqing; Wright, Beau; Xu, Zhiyue; Doane, James; Johnson, Mike; Farmer, Jack; Ruddock, David  
 (74) FPA Patent Attorneys Pty Ltd

(71) Baker Hughes Oilfield Operations LLC  
 (11) AU-B-2021241609  
 (21) 2021241609 (22) 24.03.2021  
 (54) Retrievable hydraulically actuated well pump  
 (51) Int. Cl.  
**E21B 43/12** ( 2006.01 )  
**E21B 34/06** ( 2006.01 )  
**F04D 13/10** ( 2006.01 )  
 (87) WO2021/195179  
 (31) 62/994,632 (32) 25.03.20 (33) US  
 17/191,120 03.03.21 US  
 (43) 30.09.2021  
 (44) 08.02.2024  
 (72) HONG, Lyon Euiyeol; GAHLOT, Vishal  
 (74) FPA Patent Attorneys Pty Ltd

(71) Baker Hughes Oilfield Operations LLC  
 (11) AU-B-2021266734  
 (21) 2021266734 (22) 05.05.2021  
 (54) Chemical injection system for completed wellbores  
 (51) Int. Cl.  
**E21B 43/14** ( 2006.01 )  
**E21B 41/00** ( 2006.01 )  
 (87) WO2021/226217  
 (31) 63/021,247 (32) 07.05.20 (33) US  
 (43) 11.11.2021  
 (44) 08.02.2024  
 (72) O'MALLEY, Edward; HARPER, Jason  
 (74) FPA Patent Attorneys Pty Ltd

(71) Baker Hughes Oilfield Operations LLC  
 (11) AU-B-2021267826  
 (21) 2021267826 (22) 12.04.2021  
 (54) Indexing valve system for a resource exploration and recovery system  
 (51) Int. Cl.  
**E21B 34/10** ( 2006.01 )  
**E21B 23/00** ( 2006.01 )  
**E21B 34/14** ( 2006.01 )  
 (87) WO2021/225754  
 (31) 16/865,505 (32) 04.05.20 (33) US  
 (43) 11.11.2021  
 (44) 08.02.2024  
 (72) BROWN, Donovan Holland  
 (74) FPA Patent Attorneys Pty Ltd

(71) Baker Hughes Oilfield Operations LLC  
 (11) AU-B-2021307947  
 (21) 2021307947 (22) 15.07.2021  
 (54) Tubular transducer for monitoring loads on a completion  
 (51) Int. Cl.

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**E21B 47/007** ( 2012.01 )  
**E21B 17/02** ( 2006.01 )  
**E21B 47/01** ( 2012.01 )  
**E21B 47/12** ( 2012.01 )  
**(87)** WO2022/015968  
**(31)** 63/053,229 **(32)** 17.07.20 **(33)** US  
**(43)** 20.01.2022  
**(44)** 08.02.2024  
**(72)** SAMUELSON, Marc  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** BASF Corporation  
**(11)** AU-B-2018297307  
**(21)** 2018297307 **(22)** 06.07.2018  
**(54)** Pest monitoring system with conductive electrodes  
**(51)** Int. Cl.  
**A01M 31/00** ( 2006.01 )  
**A01M 1/02** ( 2006.01 )  
**(87)** WO2019/010365  
**(31)** 62/529,681 **(32)** 07.07.17 **(33)** US  
 62/670,248 11.05.18 US  
 62/544,428 11.08.17 US  
**(43)** 10.01.2019  
**(44)** 08.02.2024  
**(72)** AUSTIN, James W.; LEICHTER, Cheryl Ann; STOREY, Gregory Keith; BROWN, Kenneth Scott; THOMPSON, Gregory Kent; RANCOUR II, Thomas S.; SLOPER, Timothy Robert  
**(74)** Griffith Hack

**(71)** BASF SE  
**(11)** AU-B-2019245807  
**(21)** 2019245807 **(22)** 20.03.2019  
**(54)** Process for making a mixed metal oxide  
**(51)** Int. Cl.  
**C01G 53/00** ( 2006.01 )  
**H01M 4/505** ( 2010.01 )  
**H01M 4/525** ( 2010.01 )  
**(87)** WO2019/185421  
**(31)** 18163858.6 **(32)** 26.03.18 **(33)** EP  
**(43)** 03.10.2019  
**(44)** 08.02.2024  
**(72)** KALO, Benedikt; HEILEK, Joerg  
**(74)** Griffith Hack

**(71)** Becton Dickinson France  
**(11)** AU-B-2018298769  
**(21)** 2018298769 **(22)** 11.07.2018  
**(54)** Device for vacuum stoppering a medicinal container  
**(51)** Int. Cl.  
**B65B 31/00** ( 2006.01 )  
**B65B 7/16** ( 2006.01 )  
**B65B 7/28** ( 2006.01 )  
**B65B 31/02** ( 2006.01 )  
**B65B 31/04** ( 2006.01 )  
**B65B 59/00** ( 2006.01 )  
**B65B 67/02** ( 2006.01 )  
**(87)** WO2019/011961  
**(31)** 17305912.2 **(32)** 11.07.17 **(33)** EP  
**(43)** 17.01.2019  
**(44)** 08.02.2024  
**(72)** LE DIMET, Gwenn; GAGLIANO, Julien  
**(74)** FB Rice Pty Ltd

**(71)** Berkeley Lights, Inc.  
**(11)** AU-B-2022200683  
**(21)** 2022200683 **(22)** 02.02.2022  
**(54)** Microfluidic devices having isolation pens and methods of testing biological micro-objects with same  
**(51)** Int. Cl.  
**C12M 1/24** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
**G01N 35/08** ( 2006.01 )  
**(43)** 24.02.2022  
**(44)** 08.02.2024  
**(62)** 2019275650  
**(72)** HOBBS, Eric D.; P. WHITE, Mark; NEVILL, J. Tanner; MALLEO, Daniele; SHORT, Steven W.  
**(74)** FB Rice Pty Ltd

**(71)** BeyondSpring Pharmaceuticals, Inc.  
**(11)** AU-B-2018217120  
**(21)** 2018217120 **(22)** 01.02.2018  
**(54)** Method of reducing neutropenia  
**(51)** Int. Cl.  
**A61K 31/40** ( 2006.01 )  
**A61K 31/04** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2018/144764  
**(31)** 62/621,533 **(32)** 24.01.18 **(33)** US  
 62/453,375 01.02.17 US  
**(43)** 09.08.2018  
**(44)** 08.02.2024  
**(72)** Mohanlal, Ramon; Huang, Lan; Lloyd, George Kenneth  
**(74)** Griffith Hack

**(71)** Bigg, S.  
**(11)** AU-B-2016314781  
**(21)** 2016314781 **(22)** 02.09.2016  
**(54)** Stackable container system  
**(51)** Int. Cl.  
**A01G 9/02** ( 2006.01 )  
**B65D 21/02** ( 2006.01 )  
**(87)** WO2017/035601  
**(43)** 09.03.2017  
**(44)** 08.02.2024  
**(72)** Bigg, Stephen William  
**(74)** Davies Collision Cave Pty Ltd

**(71)** Biocompatibles UK Limited; Ramadhyani, S.; Kveen, C.; Natesan, H.  
**(11)** AU-B-2020328064  
**(21)** 2020328064 **(22)** 14.08.2020  
**(54)** Dual stage cryocooler  
**(51)** Int. Cl.  
**A61B 18/02** ( 2006.01 )  
**(87)** WO2021/030732  
**(31)** 62/886,853 **(32)** 14.08.19 **(33)** US  
**(43)** 18.02.2021  
**(44)** 08.02.2024  
**(72)** RAMADHYANI, Satish; KVEEN, Graig; NATESAN, Harishankar  
**(74)** Spruson & Ferguson

**(71)** Biohaven Therapeutics Ltd.  
**(11)** AU-B-2023266373

**(21)** 2023266373 **(22)** 17.11.2023  
**(54)** KV7 CHANNEL ACTIVATORS POSITIONS AND METHODS OF USE  
**(51)** Int. Cl.  
**C07D 413/04** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**(43)** 07.12.2023  
**(44)** 08.02.2024  
**(62)** 2019239955  
**(72)** Michael E. BOZIK; Scott S. HARRIED; Lynn RESNICK; George T. TOPALOV; Justin K. BELARDI; Charles A. FLENTGE; David A. MARESKA; James S. HALE  
**(74)** AJ PARK

**(71)** Bio-Thera Solutions, Ltd.  
**(11)** AU-B-2018315371  
**(21)** 2018315371 **(22)** 10.08.2018  
**(54)** Recombinant antibody having unique glycan profile produced by CHO host cell with edited genome and preparation method thereof  
**(51)** Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/54** ( 2006.01 )  
**C12N 15/55** ( 2006.01 )  
**C12R 1/91** ( 2006.01 )  
**(87)** WO2019/029713  
**(31)** 201710687889.9 **(32)** 11.08.17 **(33)** CN  
**(43)** 14.02.2019  
**(44)** 08.02.2024  
**(72)** QIN, Chao; ZHOU, Yuanqing; XIAO, Cuizhen  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** BLACKPOWDER PRODUCTS, INC.  
**(11)** AU-B-2022200834  
**(21)** 2022200834 **(22)** 09.02.2022  
**(54)** HYBRID CARBON - STEEL FIREARM BARREL  
**(51)** Int. Cl.  
**B32B 19/02** ( 2006.01 )  
**B32B 15/02** ( 2006.01 )  
**F41C 7/00** ( 2006.01 )  
**F41C 27/00** ( 2006.01 )  
**(31)** 63/150,212 **(32)** 17.02.21 **(33)** US  
 63/215,753 28.06.21 US  
 63/305,797 02.02.22 US  
**(43)** 01.09.2022  
**(44)** 08.02.2024  
**(72)** BORETTO, Tod D.; HANUS, Daniel J.; SANDERCOCK, Brady E.; RACIONERO, Ion  
**(74)** RnB IP Pty Ltd

**(71)** Blafar Biotechnology (Hangzhou) Ltd  
**(11)** AU-B-2020389341  
**(21)** 2020389341 **(22)** 18.03.2020  
**(54)** Sulfhydryl modified hyaluronic acid, preparation method therefor and use thereof  
**(51)** Int. Cl.

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**C08B 37/08** ( 2006.01 )  
**(87)** WO2021/098098  
**(31)** 201911130065.7 **(32)** 18.11.19 **(33)** CN  
**(43)** 27.05.2021  
**(44)** 08.02.2024  
**(72)** WANG, Wenxin  
**(74)** WRAYS PTY LTD

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**Blanchard, J. see Université de Montréal**  
**(21)** 2018372781

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**(71)** Block, Inc.  
**(11)** AU-B-2022204797  
**(21)** 2022204797 **(22)** 04.07.2022  
**(54)** Raw sensor input encryption for passcode entry security  
**(51)** Int. Cl.  
**G06F 21/30** ( 2013.01 )  
**(43)** 21.07.2022  
**(44)** 08.02.2024  
**(62)** 2020202014  
**(72)** Quigley, Oliver S. C.; McCauley, Nathan P.; Adams, David C.; Edwards, Troy J.; Skoog, Lukas C.; Paull, Jonathan D.  
**(74)** FB Rice Pty Ltd

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**(71)** BNSF Railway Company  
**(11)** AU-B-2020329106  
**(21)** 2020329106 **(22)** 23.06.2020  
**(54)** Systems and methods for locating objects  
**(51)** Int. Cl.  
**G06T 7/73** ( 2017.01 )  
**(87)** WO2021/029971  
**(31)** 16/540,867 **(32)** 14.08.19 **(33)** US  
**(43)** 18.02.2021  
**(44)** 08.02.2024  
**(72)** SANIEL, Michael Saied; SI, Xiaoyan; VYSYARAJU, Siva Prasad  
**(74)** Oxygene IP

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**(71)** Board of Trustees of Michigan State University  
**(11)** AU-B-2021325660  
**(21)** 2021325660 **(22)** 05.08.2021  
**(54)** Solid thermochemical fuel apparatus  
**(51)** Int. Cl.  
**B01J 23/10** ( 2006.01 )  
**(87)** WO2022/035672  
**(31)** 63/064,256 **(32)** 11.08.20 **(33)** US  
 63/144,120 01.02.21 US  
**(43)** 17.02.2022  
**(44)** 08.02.2024  
**(72)** KLAUSNER, James F.; PETRASCH, Joerg; RANDHIR, Kelvin; RAHMATIAN, Nima  
**(74)** Oxygene IP

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**(71)** Boehringer Ingelheim Animal Health USA Inc.; Sanofi Pasteur SA  
**(11)** AU-B-2017286727  
**(21)** 2017286727 **(22)** 15.06.2017  
**(54)** Novel immunogenic formulations comprising linear or branched polyacrylic acid polymer adjuvants  
**(51)** Int. Cl.

**A61K 39/00** ( 2006.01 )  
**C08F 220/06** ( 2006.01 )  
**(87)** WO2017/218819  
**(31)** 62/351,492 **(32)** 17.06.16 **(33)** US  
**(43)** 21.12.2017  
**(44)** 08.02.2024  
**(72)** Rigaut, Guillaume; Parisot, Alexis Guy André Lucien; De Luca, Karelle; Andreoni, Christine Michele Pierrette; Remolue, Lydie; Garinot, Marie; Cotte, Jean-Francois; Probeck-Quellect, Patricia; Haensler, Jean; Chambon, Véronique; Talaga, Philippe  
**(74)** FB Rice Pty Ltd

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**(71)** Borealis AG  
**(11)** AU-B-2020407301  
**(21)** 2020407301 **(22)** 21.12.2020  
**(54)** Polymer composition and article  
**(51)** Int. Cl.  
**C08L 23/08** ( 2006.01 )  
**(87)** WO2021/123410  
**(31)** 19218827.4 **(32)** 20.12.19 **(33)** EP  
**(43)** 24.06.2021  
**(44)** 08.02.2024  
**(72)** DAMMERT, Ruth; ÄÄRILÄ, Jari  
**(74)** FB Rice Pty Ltd

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**(71)** Borealis AG  
**(11)** AU-B-2021275475  
**(21)** 2021275475 **(22)** 19.05.2021  
**(54)** Polymer for cable jacket  
**(51)** Int. Cl.  
**C08L 23/08** ( 2006.01 )  
**C08F 210/02** ( 2006.01 )  
**C08F 210/16** ( 2006.01 )  
**H01B 3/44** ( 2006.01 )  
**(87)** WO2021/234040  
**(31)** 20175701.0 **(32)** 20.05.20 **(33)** EP  
**(43)** 25.11.2021  
**(44)** 08.02.2024  
**(72)** HJÄRTFORS, Anna; JAMIESON, John; TUPE, Ravindra; LESKINEN, Pauli  
**(74)** FB Rice Pty Ltd

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**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-B-2021244306  
**(21)** 2021244306 **(22)** 22.03.2021  
**(54)** Devices, systems, and methods for endoscope valve control  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 1/015** ( 2006.01 )  
**A61B 1/018** ( 2006.01 )  
**(87)** WO2021/194968  
**(31)** 62/994,008 **(32)** 24.03.20 **(33)** US  
 62/994,015 24.03.20 US  
 62/994,018 24.03.20 US  
 62/994,019 24.03.20 US  
 62/994,021 24.03.20 US  
 62/994,024 24.03.20 US  
**(43)** 30.09.2021  
**(44)** 08.02.2024  
**(72)** COMEE, Shaun D.; CUMMINGS, Nathan T.; LIMBERG, Paula R.; LUIS, Brian; MOORE, Kyle P.; RICHARDS, Laura E.  
**(74)** Spruson & Ferguson

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**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-B-2021244310  
**(21)** 2021244310 **(22)** 22.03.2021  
**(54)** Devices for fluid control in endoscope systems  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**(87)** WO2021/194971  
**(31)** 62/994,008 **(32)** 24.03.20 **(33)** US  
 62/994,015 24.03.20 US  
 62/994,018 24.03.20 US  
 62/994,019 24.03.20 US  
 62/994,021 24.03.20 US  
 62/994,024 24.03.20 US  
**(43)** 30.09.2021  
**(44)** 08.02.2024  
**(72)** COMEE, Shaun D.; CUMMINGS, Nathan T.; LIMBERG, Paula R.; RICHARDS, Laura E.  
**(74)** Spruson & Ferguson

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**(71)** BOXABL INC  
**(11)** AU-B-2020221056  
**(21)** 2020221056 **(22)** 10.02.2020  
**(54)** Foldable building structures with utility channels and laminate enclosures  
**(51)** Int. Cl.  
**E04B 1/344** ( 2006.01 )  
**C04B 14/30** ( 2006.01 )  
**E04B 1/80** ( 2006.01 )  
**E04C 2/52** ( 2006.01 )  
**(87)** WO2020/167671  
**(31)** 62/805,710 **(32)** 14.02.19 **(33)** US  
 62/960,991 14.01.20 US  
**(43)** 20.08.2020  
**(44)** 08.02.2024  
**(72)** TIRAMANI, Paolo; TIRAMANI, Galiano; DENMAN, Kyle  
**(74)** Spruson & Ferguson

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**(71)** Braincare Desenvolvimento e Inovação Tecnológica S.A.  
**(11)** AU-B-2018360391  
**(21)** 2018360391 **(22)** 02.11.2018  
**(54)** Method and system for non-invasive management and monitoring of intracranial pressure and a device for measuring of a skull volumetric variation  
**(51)** Int. Cl.  
**A61B 5/03** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**(87)** WO2019/087148  
**(31)** 1020170238792 **(32)** 06.11.17 **(33)** BR  
**(43)** 09.05.2019  
**(44)** 08.02.2024  
**(72)** ANDRADE, Rodrigo De Albuquerque Pacheco; OLIVEIRA, Sergio Mascarenhas  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Brightseed, Inc.; Sanford-Burnham Medical Research Institute  
**(11)** AU-B-2020323503  
**(21)** 2020323503 **(22)** 27.07.2020  
**(54)** Method for improving digestive health  
**(51)** Int. Cl.  
**A23L 33/00** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )

Applications Accepted - Name Index cont'd

**A23L 33/135** ( 2016.01 )  
**(87)** WO2021/021744  
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**(72)** CHAE, Lee; LEVINE, Fred  
**(74)** Spruson & Ferguson

**(71)** BrightSeed, Inc.  
**(11)** AU-B-2019207731  
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**(54)** Composition for modulating metabolism  
**(51)** Int. Cl.

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**A61P 3/06** ( 2006.01 )  
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**(74)** Spruson & Ferguson

**(71)** Bruin Biometrics LLC  
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**(54)** Apparatus and methods for determining damaged tissue using sub-epidermal moisture measurements  
**(51)** Int. Cl.

**A61B 5/24** ( 2021.01 )  
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**A61B 5/053** ( 2021.01 )  
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**(74)** Spruson & Ferguson

**(71)** BYD Company Limited  
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**(54)** Clutch mechanism, steering system, and automobile  
**(51)** Int. Cl.  
**B62D 1/02** ( 2006.01 )  
**B62D 15/00** ( 2006.01 )  
**(87)** WO2021/077970  
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**(74)** MINTER ELLISON

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**(71)** Cambridge Mobile Telematics Inc.  
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**(54)** Estimating fuel economy  
**(51)** Int. Cl.

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**B60W 40/10** ( 2012.01 )  
**G01M 15/04** ( 2006.01 )  
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**(43)** 25.02.2021  
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**(72)** BRADLEY, William; VALDEZ, Juan Martin Munoz  
**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Canon Kabushiki Kaisha  
**(11)** AU-B-2022200676  
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**(54)** Electrophotographic image forming apparatus, developing apparatus, and coupling member  
**(51)** Int. Cl.  
**G03G 15/01** ( 2006.01 )  
**F16D 1/10** ( 2006.01 )  
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**(72)** MORIOKA, Masanari; UENO, Takahito; MIYABE, Shigeo  
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**(71)** Carefusion Corporation  
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**(54)** Pressure spike absorbing systems  
**(51)** Int. Cl.  
**F16L 55/054** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

**(71)** Cargill, Incorporated  
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**(54)** Stability of short path evaporation treated oils  
**(51)** Int. Cl.  
**A23D 9/007** ( 2006.01 )  
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**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Carl Freudenberg KG  
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**(51)** Int. Cl.  
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**(72)** METZEL, Doug; WEHRLI, Eric  
**(74)** DAVIS IP PTY LTD

**(71)** Ceek Women's Health, Inc.  
**(11)** AU-B-2021277617  
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**(54)** Speculum with secondary bills  
**(51)** Int. Cl.  
**A61B 1/303** ( 2006.01 )  
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**(74)** AJ PARK

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**(21)** 2019259112

**(71)** Chen, C.H.  
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**(54)** Device and system for determining property of object  
**(51)** Int. Cl.  
**G01S 15/02** ( 2006.01 )  
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**(72)** CHEN, Chia Hung; SU, Chia Chi  
**(74)** ALDRICH PROJECTS PTY LTD

**(71)** CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU KERUI MINING TECHNOLOGY CO., LTD.  
**(11)** AU-B-2022368365  
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**(54)** METHOD FOR POSITIONING AUXILIARY TRANSPORTATION VEHICLE IN COAL MINE AND POSITIONING SYSTEM THEREOF  
**(51)** Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**(87)** WO2023/124340  
**(31)** 202111616413.9 **(32)** 27.12.21 **(33)** CN  
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**(44)** 08.02.2024  
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**(71)** Chugai Seiyaku Kabushiki Kaisha  
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**(54)** Antigen-binding molecule capable of binding to two or more antigen molecules repeatedly  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**C12P 21/08** ( 2006.01 )  
**G01N 33/15** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**(54)** Formulations containing domperidone  
**(51)** Int. Cl.  
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**A61P 1/08** ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys

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**(54)** Additive delivery control systems and methods  
**(51)** Int. Cl.  
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**(54)** Robotic joint control  
**(51)** Int. Cl.  
**B25J 9/16** ( 2006.01 )  
**A61B 34/00** ( 2016.01 )  
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**(71)** CMR Surgical Limited  
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**(54)** Surgical robot system with operator configurable instrument control parameters  
**(51)** Int. Cl.  
**A61B 34/37** ( 2016.01 )  
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**(72)** THORNYCROFT, Patrick; KNIGHT, Matthew  
**(74)** FB Rice Pty Ltd

**(71)** CNH Industrial America LLC  
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**(54)** Flex arm air bag linkage  
**(51)** Int. Cl.  
**A01D 34/28** ( 2006.01 )  
**A01D 41/14** ( 2006.01 )  
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**(31)** 62/557,356 **(32)** 12.09.17 **(33)** US  
**(43)** 21.03.2019  
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**(72)** COOK, Joel T.  
**(74)** Griffith Hack

**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2021235939  
**(21)** 2021235939 **(22)** 09.03.2021  
**(54)** Personal care compositions  
**(51)** Int. Cl.  
**A61Q 5/00** ( 2006.01 )  
**A61K 8/36** ( 2006.01 )  
**A61K 8/365** ( 2006.01 )  
**A61Q 5/02** ( 2006.01 )  
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**(54)** Optical fiber sensing device for sensing the distribution of the compression or deformation of a compressible or deformable element  
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**(74)** AJ PARK

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**(54)** TRANSACTION CARD WITH EMBEDDED ELECTRONIC COMPONENTS AND PROCESS FOR MANUFACTURE  
**(51)** Int. Cl.  
**G06K 19/077** ( 2006.01 )  
**G06K 19/02** ( 2006.01 )  
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**(72)** LOWE, Adam; HUSSAIN, Syeda  
**(74)** Oxygene IP

**(71)** Concordia University, Inc.  
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**C12Q 1/00** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
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**(72)** MCGRAW, Joseph; GERHARDT, Armin  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** ConocoPhillips Company  
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**(21)** 2019255300 **(22)** 17.04.2019  
**(54)** Anti-virus device for industrial control systems  
**(51)** Int. Cl.  
**G06F 21/50** ( 2013.01 )  
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**G06F 21/56** ( 2013.01 )  
**H04L 9/28** ( 2006.01 )  
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**(72)** JACQUES, Mark  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** CONTINENTAL ELECTRONICS CORP.  
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**(54)** Loran transmitter, receiver, system and method of operating same

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**G01B 15/00** ( 2006.01 )  
**G01S 13/34** ( 2006.01 )  
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(74) GLMR

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**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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(31) 62/967,517 (32) 29.01.20 (33) US  
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(54) Prebiotic gummy food products  
(51) Int. Cl.  
**A23G 3/42** ( 2006.01 )  
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(71) Covco (H.K) Limited  
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(51) Int. Cl.  
**A41D 19/04** ( 2006.01 )  
**B29C 41/14** ( 2006.01 )  
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(71) Covenant Eyes, Inc.  
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(54) Applications, systems and methods to monitor, filter and/or alter output of a computing device  
(51) Int. Cl.  
**H04N 21/454** ( 2011.01 )  
**G06F 17/00** ( 2019.01 )  
**G06F 21/00** ( 2013.01 )  
**G06T 1/40** ( 2006.01 )  
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(51) Int. Cl.  
**B65G 21/20** ( 2006.01 )  
**E21D 9/12** ( 2006.01 )  
**E21F 13/08** ( 2006.01 )  
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(74) WRAYS PTY LTD

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**H01Q 9/36** ( 2006.01 )  
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(54) Medicament delivery device and method of using and making same  
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**A61M 5/20** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
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**E01B 26/00** ( 2006.01 )  
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**H02G 9/04** ( 2006.01 )  
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(74) Michael Buck IP

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(51) Int. Cl.  
**B29C 64/176** ( 2017.01 )  
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**B29C 64/165** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 30/00** ( 2015.01 )  
**B33Y 70/00** ( 2015.01 )  
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**B32B 27/00** ( 2006.01 )  
**B32B 27/18** ( 2006.01 )  
**E04B 1/80** ( 2006.01 )  
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(74) Phillips Ormonde Fitzpatrick

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(54) ORTHOPAEDIC SYSTEM AND METHOD FOR ASSEMBLING PROSTHETIC COMPONENTS  
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**A61F 2/46** ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 31/42* ( 2006.01 )  
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*A61K 31/425* ( 2006.01 )  
*A61K 31/426* ( 2006.01 )  
*A61K 31/433* ( 2006.01 )  
*A61K 36/38* ( 2006.01 )  
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 (54) Filter elements, air cleaner assemblies, and methods of use and assembly  
 (51) Int. Cl.  
*B01D 46/00* ( 2022.01 )  
*B01D 46/10* ( 2006.01 )  
 (43) 02.02.2023  
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 (72) Adamek, Daniel; Nelson, Benny; Nelson, David; Matalamaki, Dave  
 (74) FPA Patent Attorneys Pty Ltd
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**H01L 27/15** ( 2006.01 )  
**H01L 33/04** ( 2010.01 )  
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**A61K 31/573** ( 2006.01 )  
**A61P 27/12** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 18/26** ( 2006.01 )  
**A61B 18/20** ( 2006.01 )  
**H01S 3/10** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**A61K 45/06** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61K 31/497** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/18** ( 2006.01 )

**A61P 25/22** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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**(71)** Hager-Electro SAS  
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**(51)** Int. Cl.  
**H01H 9/50** ( 2006.01 )  
**H01H 9/54** ( 2006.01 )  
**(87)** WO2021/180658  
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**(74)** FPA Patent Attorneys Pty Ltd

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**Haier Smart Home Co., Ltd. see Qingdao Haier Refrigerator Co., Ltd**  
**(21)** 2020319113

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**HAIER SMART HOME CO., LTD. see QINGDAO HAIER REFRIGERATOR CO., LTD**  
**(21)** 2021413536

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**(54)** Downhole packer ring apparatus and method of assembling thereof  
**(51)** Int. Cl.  
**E21B 33/12** ( 2006.01 )  
**E21B 33/127** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**E21B 41/00** ( 2006.01 )  
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*C09K 8/035* ( 2006.01 )  
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*C09K 8/74* ( 2006.01 )  
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*E21B 17/10* ( 2006.01 )  
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*E21B 43/08* ( 2006.01 )  
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 (54) N-(BENZOYL)-PHENYLALANINE COMPOUND, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND USE THEREOF  
 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/404* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
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*E02F 9/28* ( 2006.01 )  
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*A61K 31/18* ( 2006.01 )  
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*A61P 31/18* ( 2006.01 )  
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*A23K 50/40* ( 2016.01 )  
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*A61M 5/158* ( 2006.01 )  
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*G05D 1/43* ( 2024.01 )  
*G05D 1/226* ( 2024.01 )  
*G06Q 50/08* ( 2012.01 )  
*G08G 1/00* ( 2006.01 )  
*G08G 1/01* ( 2006.01 )  
*G08G 1/16* ( 2006.01 )  
*G05D 109/10* ( 2024.01 )  
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*E21D 21/00* ( 2006.01 )  
*E21D 20/00* ( 2006.01 )  
*F16B 13/06* ( 2006.01 )  
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A63B 21/012 ( 2006.01 )  
A63B 22/10 ( 2006.01 )  
A63B 23/12 ( 2006.01 )  
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(72) HSU, Chih-Yung  
(74) A.P.T. Patent and Trade Mark Attorneys

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(51) Int. Cl.  
H02S 50/10 ( 2014.01 )  
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(74) Phillips Ormonde Fitzpatrick

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(54) Port detection method, optical network device and passive optical network system  
(51) Int. Cl.  
H04Q 11/00 ( 2006.01 )  
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(74) Phillips Ormonde Fitzpatrick

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H04W 8/20 ( 2009.01 )  
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H04N 19/96 ( 2014.01 )  
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(74) PHILLIPS ORMONDE FITZPATRICK

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(54) SCHEDULING REQUEST PROCESSING METHOD AND TERMINAL DEVICE  
(51) Int. Cl.  
H04W 72/04 ( 2023.01 )  
H04W 72/12 ( 2023.01 )  
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(51) Int. Cl.  
H04N 19/103 ( 2014.01 )  
(43) 01.06.2023  
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(72) Chernyak, Roman Igorevich; Solovyev, Timofey Mikhailovich; Ikonin, Sergey Yurievich; Karabutov, Alexander Alexandrovich; Chen, Jianle  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HUAWEI TECHNOLOGIES CO., LTD.  
(11) AU-B-2023203520  
(21) 2023203520 (22) 09.01.2023  
(54) MULTI-LINK COMMUNICATION SETUP METHOD AND RELATED APPARATUS  
(51) Int. Cl.  
H04L 69/14 ( 2022.01 )  
(87) WO2023/207223  
(31) 202210435613.2 (32) 24.04.22 (33) CN  
(43) 09.11.2023

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(72) GUO, Yuchen; HUANG, Guogang; LI, Yunbo; GAN, Ming  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Husqvarna AB  
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(54) Lawn care vehicle control lever adjustment assembly  
(51) Int. Cl.  
A01D 34/64 ( 2006.01 )  
A01D 34/82 ( 2006.01 )  
B62D 11/00 ( 2006.01 )  
A01D 101/00 ( 2006.01 )  
(87) WO2021/183188  
(31) 62/987,958 (32) 11.03.20 (33) US  
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(72) SCHOONMAKER, Adam; VAN BUREN, Christopher  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Icon23 Pty Ltd  
(11) AU-B-2023201043  
(21) 2023201043 (22) 22.02.2023  
(54) A toy vehicle assembly  
(51) Int. Cl.  
A63H 17/26 ( 2006.01 )  
A63H 19/18 ( 2006.01 )  
(31) 2022900470 (32) 28.02.22 (33) AU  
(43) 23.03.2023  
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(72) SEALE, Dallyn  
(74) Spruson & Ferguson

(71) IDS Group  
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(51) Int. Cl.  
G01N 33/02 ( 2006.01 )  
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(72) FAUVET, Patrice; MIGEON, Valérie  
(74) Davies Collison Cave Pty Ltd

(71) Iluka Resources Limited; Australian Nuclear Science and Technology Organisation  
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(21) 2021221764 (22) 25.08.2021  
(54) Processing of mineral sand particulates  
(51) Int. Cl.  
C22B 1/06 ( 2006.01 )  
C04B 35/48 ( 2006.01 )  
C04B 35/626 ( 2006.01 )  
C04B 41/91 ( 2006.01 )  
C22B 1/26 ( 2006.01 )  
C22B 34/14 ( 2006.01 )  
F27B 7/06 ( 2006.01 )  
F27B 7/08 ( 2006.01 )

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**(72)** Bernard, Nick; Bultitude-Paull, John; Gough, Ian; Griffiths, Chris; DeMol, John; Manis, Adrian; Roper, Adam  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Implantica Patent Ltd  
**(11)** AU-B-2022201318  
**(21)** 2022201318 **(22)** 25.02.2022  
**(54)** A Device, System and Method for Treating Obesity  
**(51)** Int. Cl.  
*A61F 5/00* ( 2006.01 )  
*A61F 2/04* ( 2013.01 )  
**(43)** 24.03.2022  
**(44)** 08.02.2024  
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**(72)** Forsell, Peter  
**(74)** WRAYS PTY LTD

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**(71)** Inficon GmbH  
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**(51)** Int. Cl.  
*G01M 3/32* ( 2006.01 )  
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**(31)** 10 2018 201 313.6 **(32)** 29.01.18 **(33)** DE  
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**(74)** Griffith Hack

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**(11)** AU-B-2017377663  
**(21)** 2017377663 **(22)** 14.12.2017  
**(54)** Support module for a structure  
**(51)** Int. Cl.  
*E04G 11/36* ( 2006.01 )  
*E04G 17/14* ( 2006.01 )  
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**(71)** Institute for Research In Biomedicine  
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**(51)** Int. Cl.  
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*A61P 31/00* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
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**(72)** Grassi, Fabio; Proietti, Michele  
**(74)** Allens Patent & Trade Mark Attorneys

**Institut Gustave-Roussy see Universite Paris-Saclay**  
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**Institut National de la Sante et de la Recherche Medicale (INSERM) see Universite Paris-Saclay**  
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**(54)** Processing a point cloud  
**(51)** Int. Cl.  
*G06T 9/00* ( 2006.01 )  
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**(43)** 25.07.2019  
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**(54)** Two-sided Majorana fermion quantum computing devices fabricated with ion implant methods  
**(51)** Int. Cl.  
*H10N 60/80* ( 2023.01 )  
*B82Y 10/00* ( 2011.01 )  
*G06N 10/00* ( 2019.01 )  
*H10N 60/01* ( 2023.01 )  
*H10N 60/12* ( 2023.01 )  
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**(11)** AU-B-2021234183  
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**(54)** Intraoral device control system  
**(51)** Int. Cl.  
*G06F 3/01* ( 2006.01 )  
*G06F 3/00* ( 2006.01 )  
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**(71)** Intuit Inc.  
**(11)** AU-B-2022204721  
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**(54)** Methods and systems for remote configuration of software applications  
**(51)** Int. Cl.  
*G06F 8/65* ( 2018.01 )  
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**(51)** Int. Cl.  
*B05B 1/30* ( 2006.01 )  
*B05B 7/26* ( 2006.01 )  
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**(72)** Bloor, Nicholas  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Multivalent vaccine compositions and uses thereof  
**(51)** Int. Cl.  
*A61K 39/108* ( 2006.01 )  
*A61P 13/00* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
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**(54)** Use of biomarkers in identifying cancer patients that will be responsive to treatment with a PRMT5 inhibitor  
**(51)** Int. Cl.  
*C12Q 1/48* ( 2006.01 )  
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*G01N 33/574* ( 2006.01 )  
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**(31)** 62/464006 **(32)** 27.02.17 **(33)** US  
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**(72)** Brehmer, Dirk; Beke, Lijs; Gaffney, Dana Suzanne; Moy, Christopher H.  
**(74)** Spruson & Ferguson

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- (71) Japan Tobacco Inc.; LEO Pharma A/S  
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**(21)** 2022203506 **(22)** 24.05.2022  
**(54)** PROCESS FOR PREPARING 7H-PYRROLO[2,3-d]PYRIMIDINE DERIVATIVES AND SYNTHETIC INTERMEDIATES THEREOF  
**(51)** Int. Cl.  
**C07D 519/00** ( 2006.01 )  
**C07C 271/22** ( 2006.01 )  
**C07D 307/33** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
**C07D 487/10** ( 2006.01 )  
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**(44)** 08.02.2024  
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**(74)** Phillips Ormonde Fitzpatrick
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- (71) JFE Steel Corporation  
**(11)** AU-B-2020387144  
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**(54)** Hydrogen supply system  
**(51)** Int. Cl.  
**F17C 13/00** ( 2006.01 )  
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**(31)** 2019-207666 **(32)** 18.11.19 **(33)** JP  
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**(74)** Davies Collison Cave Pty Ltd
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- (71) Jing Medicine Technology (Shanghai) Ltd.; ShanghaiTech University  
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**(54)** EED inhibitor, and preparation method therefor and use thereof  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(54)** Methods and compositions for adoptive cell therapy

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**C07K 16/28** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**(54)** MICROGRID STARTUP METHOD AND STARTUP PROGRAM  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
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**(72)** SAKAUCHI Yoko; AKIYAMA Yukina; KUDO Yuki; KAWACHI Shunsuke; TOBA Koji  
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**(54)** Carbon capture system comprising a gas turbine  
**(51)** Int. Cl.  
**B01D 53/14** ( 2006.01 )  
**C01B 32/50** ( 2017.01 )  
**F23J 15/00** ( 2006.01 )  
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**(43)** 12.09.2019  
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**(72)** BØRSETH, Knut; FLEISCHER, Henrik  
**(74)** Zone Patents Limited
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**(11)** AU-B-2022204150  
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**(54)** System and method for applying a fastening material to a substrate  
**(51)** Int. Cl.  
**B31B 70/81** ( 2017.01 )  
**B65B 61/18** ( 2006.01 )  
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**(72)** Michels, John Joseph  
**(74)** Davies Collison Cave Pty Ltd
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**A61P 25/24** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** Imidazopyridinone compound  
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**C07D 471/04** ( 2006.01 )  
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**A61P 1/04** ( 2006.01 )  
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**(54)** Wear-resistant component  
**(51)** Int. Cl.  
**E02F 9/28** ( 2006.01 )  
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**(31)** 2020-070360 **(32)** 09.04.20 **(33)** JP  
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**(74)** Spruson & Ferguson
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**(11)** AU-B-2021254246  
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**E02F 9/28** ( 2006.01 )  
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 (51) Int. Cl.  
*E02F 3/85* ( 2006.01 )  
*E02F 9/20* ( 2006.01 )  
*H04Q 9/00* ( 2006.01 )  
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*A01N 25/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (54) RUBBER AND BY-PRODUCT EXTRACTION SYSTEMS AND METHODS  
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*C07K 14/71* ( 2006.01 )  
*A61K 38/10* ( 2006.01 )

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*A61K 47/00* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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*C12N 1/18* ( 2006.01 )  
*A21D 8/04* ( 2006.01 )  
*A23K 20/189* ( 2016.01 )  
*A23L 33/14* ( 2016.01 )  
*A23L 33/145* ( 2016.01 )  
*C12N 9/00* ( 2006.01 )  
*C12N 9/16* ( 2006.01 )  
*C12N 9/26* ( 2006.01 )  
*C12N 9/30* ( 2006.01 )  
*C12N 9/34* ( 2006.01 )  
*C12N 15/81* ( 2006.01 )  
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(71) Legrand France; Legrand SNC

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 (54) Electronic cut-off device  
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*H01H 3/00* ( 2006.01 )  
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 (74) Griffith Hack

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 (54) CRYSTALLINE FORM III OF MELANOCORTIN RECEPTOR AGONIST COM-

POUND AND METHOD FOR PREPARING SAME

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*C07D 403/06* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61P 3/04* ( 2006.01 )  
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*A61P 29/00* ( 2006.01 )  
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*H04N 19/60* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/18* ( 2014.01 )  
*H04N 19/186* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited

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 (21) 2020409316 (22) 14.01.2020  
 (54) Home appliance provided with viewing window  
 (51) Int. Cl.  
*F24C 3/12* ( 2006.01 )  
*F24C 15/00* ( 2006.01 )  
*G01P 15/00* ( 2006.01 )  
*G01P 15/097* ( 2006.01 )  
*H05B 47/105* ( 2020.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited

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 (54) Washing machine and control method of washing machine  
 (51) Int. Cl.  
*D06F 39/04* ( 2006.01 )

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**H05B 6/06** ( 2006.01 )  
**H05B 6/10** ( 2006.01 )
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(74) FB Rice Pty Ltd
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**H02J 7/00** ( 2006.01 )  
**H01M 10/42** ( 2006.01 )
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- (71) Lmito Therapeutics Inc.  
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(54) Imidazolquinoline or benzoindazolone compound and intermediate for preparing same  
(51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07D 231/56** ( 2006.01 )
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(74) ALLENS PATENT & TRADE MARK ATTORNEYS
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**H01L 31/05** ( 2014.01 )  
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**C08G 18/66** ( 2006.01 )  
**C08G 18/08** ( 2006.01 )  
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**G01N 33/68** ( 2006.01 )  
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(54) A body fluid leakage detection aqueous composition  
(51) Int. Cl.  
**A61K 49/00** ( 2006.01 )
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(54) An Automatic Location Placement System  
(51) Int. Cl.  
**B63H 21/22** ( 2006.01 )  
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**A61K 31/07** ( 2006.01 )  
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(51) Int. Cl.  
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**A61K 9/00** ( 2006.01 )  
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**A61M 5/14** ( 2006.01 )
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(54) Systems and methods for managing digital identities associated with users  
(51) Int. Cl.  
**G06F 21/62** ( 2013.01 )  
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(51) Int. Cl.  
**G06F 21/56** ( 2013.01 )



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

**(71)** Maston Oy  
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**(51)** Int. Cl.  
**C09D 5/00** ( 2006.01 )  
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**(74)** Griffith Hack

**(71)** MatOrtho Limited  
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**(54)** Ceramic acetabular cup  
**(51)** Int. Cl.  
**A61F 2/34** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 17/04** ( 2006.01 )  
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**(51)** Int. Cl.  
**B61G 7/00** ( 2006.01 )  
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**(74)** Madderns Pty Ltd

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**(54)** Membrane water treatment system and method thereof  
**(51)** Int. Cl.  
**B01D 61/36** ( 2006.01 )  
**B01D 61/24** ( 2006.01 )  
**B01D 63/02** ( 2006.01 )  
**B01D 63/08** ( 2006.01 )  
**C02F 1/44** ( 2006.01 )  
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**(54)** Compositions and methods for managing infections of a urinary tract  
**(51)** Int. Cl.  
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**A61K 31/19** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
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**A61K 36/45** ( 2006.01 )  
**A61K 36/82** ( 2006.01 )  
**A61P 13/00** ( 2006.01 )  
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**A61P 13/12** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Metso Outotec USA Inc.  
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**(51)** Int. Cl.  
**B02C 23/04** ( 2006.01 )  
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**(74)** Griffith Hack

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**(11)** AU-B-2018202781  
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**(54)** Printing Apparatus  
**(51)** Int. Cl.  
**B41F 13/34** ( 2006.01 )  
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**(43)** 18.04.2019  
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**(74)** mdp Patent and Trade Mark Attorneys

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**(51)** Int. Cl.  
**A61F 13/02** ( 2006.01 )  
**A61F 5/30** ( 2006.01 )  
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**A61L 15/24** ( 2006.01 )  
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**(72)** HANSSON, Dennis; GLASMÄSTAR, Karin; GROU, Anna; JAKOBSSON, Conny; LANÇON, Océane  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Monash University  
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**(54)** Lymph directing prodrugs  
**(51)** Int. Cl.  
**C07J 9/00** ( 2006.01 )  
**A61K 31/56** ( 2006.01 )  
**A61K 31/568** ( 2006.01 )  
**A61P 5/24** ( 2006.01 )  
**C07J 1/00** ( 2006.01 )  
**C07J 5/00** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2022201589 (22) 08.03.2022  
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 from an agricultural vessel  
 (51) Int. Cl.  
**B08B 9/08** ( 2006.01 )  
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 (51) Int. Cl.  
**A63H 3/00** ( 2006.01 )  
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**A63H 3/52** ( 2022.01 )  
**A63H 19/14** ( 2006.01 )  
**A63J 21/00** ( 2006.01 )  
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 barrier system  
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**F16B 5/12** ( 2006.01 )  
**E04G 21/30** ( 2006.01 )  
**E04G 21/32** ( 2006.01 )  
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 (74) IPiphany Limited
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**A61K 31/722** ( 2006.01 )  
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 (51) Int. Cl.  
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 OF A POWER TOOL AND THE BAT-  
 TERY PACK  
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**H01M 10/04** ( 2006.01 )  
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 board coating and paperboard coating  
 processes using the compositions  
 (51) Int. Cl.  
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**C08L 63/00** ( 2006.01 )  
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 WHITEMAN, Nicole  
 (74) FPA Patent Attorneys Pty Ltd
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 Cooperation Group of Kyung Hee Uni-  
 versity  
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 thereof  
 (51) Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/745** ( 2015.01 )  
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**C12R 1/01** ( 2006.01 )  
**C12R 1/225** ( 2006.01 )  
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 (51) Int. Cl.  
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**H02S 20/32** ( 2014.01 )  
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 LÓPEZ AYARZA, José Ignacio;  
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 (74) Spruson & Ferguson
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 device  
 (51) Int. Cl.  
**B65G 23/08** ( 2006.01 )  
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 use in fertility and related applications  
 (51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
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**A61K 31/4025** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61K 31/66** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
**A61P 15/08** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
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**(31)** 62/458,028 **(32)** 13.02.17 **(33)** US  
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**(43)** 16.08.2018  
**(44)** 08.02.2024  
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**(74)** Phillips Ormonde Fitzpatrick
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**(21)** 2021269425 **(22)** 19.11.2021  
**(54)** LOW POWER CELLULAR BASE STA-  
 TION  
**(51)** Int. Cl.  
**H04W 52/02** ( 2009.01 )  
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**(44)** 08.02.2024  
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**(72)** Lotter, Michiel Petrus  
**(74)** Phillips Ormonde Fitzpatrick
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**(11)** AU-B-2022201454  
**(21)** 2022201454 **(22)** 02.03.2022  
**(54)** Methods and Systems for Detecting  
 Shading for Solar Trackers  
**(51)** Int. Cl.  
**H02S 20/32** ( 2014.01 )  
**G06N 20/00** ( 2019.01 )  
**H01L 31/05** ( 2014.01 )  
**H02M 3/00** ( 2006.01 )  
**H02S 40/34** ( 2014.01 )  
**H02S 40/36** ( 2014.01 )  
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**(72)** Liu, Yang; Li, Chen  
**(74)** Clark Intellectual Property Pty Ltd
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 PHONE CORPORATION  
**(11)** AU-B-2020472678  
**(21)** 2020472678 **(22)** 16.10.2020  
**(54)** Secure computation system, secure  
 computation apparatus, secure compu-  
 tation method, and program  
**(51)** Int. Cl.  
**G09C 1/00** ( 2006.01 )  
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**(44)** 08.02.2024  
**(72)** IKARASHI, Dai  
**(74)** Griffith Hack
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**(54)** Portable machining tool  
**(51)** Int. Cl.  
**B23B 45/02** ( 2006.01 )  
**B23B 47/00** ( 2006.01 )  
**B23Q 9/02** ( 2006.01 )  
**B23Q 11/00** ( 2006.01 )  
**B23Q 17/00** ( 2006.01 )  
**(87)** WO2021/039186  
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**(43)** 04.03.2021  
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**(74)** Madderns Pty Ltd
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 tion  
**(11)** AU-B-2021216844  
**(21)** 2021216844 **(22)** 15.01.2021  
**(54)** Single self-insulating contact for wet  
 electrical connector  
**(51)** Int. Cl.  
**H01R 13/523** ( 2006.01 )  
**H01R 13/03** ( 2006.01 )  
**H01R 24/28** ( 2011.01 )  
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**(43)** 12.08.2021  
**(44)** 08.02.2024  
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 James R.  
**(74)** WRAYS PTY LTD
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 versity of Pennsylvania  
**(11)** AU-B-2021203790  
**(21)** 2021203790 **(22)** 09.06.2021  
**(54)** Targeting cytotoxic cells with chimeric  
 receptors for adoptive immunotherapy  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 14/735** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-B-2019313550  
**(21)** 2019313550 **(22)** 31.07.2019  
**(54)** Improved procoagulant antibodies  
**(51)** Int. Cl.  
**C07K 16/36** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2020/025672  
**(31)** PCT/  
 CN2018/097834 **(32)** 01.08.18 **(33)** CN  
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 J.; JOHANSSON, Eva; RASCH, Morten  
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 Anders; ZHU, Haisun; ZHOU, Rong  
**(74)** Pearce IP Pty Ltd
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**(11)** AU-B-2022200809  
**(21)** 2022200809 **(22)** 08.02.2022  
**(54)** Analyzing clusters of coded documents  
**(51)** Int. Cl.  
**G06F 16/00** ( 2019.01 )  
**(43)** 24.02.2022  
**(44)** 08.02.2024  
**(62)** 2017274558  
**(72)** MILAN, Joe; ROBINSON, Eric;  
 STROMBERG, David; WU, Shioh Ju;  
 ARNOLD, Collin  
**(74)** Spruson & Ferguson
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**(11)** AU-B-2021210097  
**(21)** 2021210097 **(22)** 15.01.2021  
**(54)** A return channel with non-constant re-  
 turn channel vanes pitch and centrifuga-  
 l turbomachine including said return  
 channel  
**(51)** Int. Cl.  
**F04D 29/44** ( 2006.01 )  
**F04D 29/66** ( 2006.01 )  
**(87)** WO2021/148239  
**(31)** 10202000001294 **(32)** 23.01.20 **(33)** IT  
**(43)** 29.07.2021  
**(44)** 08.02.2024  
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 torio; GUGLIELMO, Alberto; GATTA,  
 Guiseppe; PANIZZA, Andrea  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-B-2019324316  
**(21)** 2019324316 **(22)** 12.08.2019  
**(54)** A solar power plant and method of in-  
 stallating a solar power plant  
**(51)** Int. Cl.  
**H02S 20/20** ( 2014.01 )  
**(87)** WO2020/040643  
**(31)** 1813842.0 **(32)** 24.08.18 **(33)** GB  
**(43)** 27.02.2020  
**(44)** 08.02.2024  
**(72)** BJØRNEKLETT, Børge  
**(74)** Griffith Hack
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- (71)** Optimum Tracker  
**(11)** AU-B-2022201054  
**(21)** 2022201054 **(22)** 17.02.2022  
**(54)** Method for controlling the orientation  
 of a solar module with two photoactive  
 faces  
**(51)** Int. Cl.  
**H02S 20/32** ( 2014.01 )

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**(74)** Clark Intellectual Property Pty Ltd

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**(11)** AU-B-2021286379  
**(21)** 2021286379 **(22)** 16.12.2021  
**(54)** Tether clamp and implantation system  
**(51)** Int. Cl.  
**A61B 17/70** ( 2006.01 )  
**(43)** 20.01.2022  
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*C05G 5/00* ( 2006.01 )  
*A01N 33/22* ( 2006.01 )  
*A01N 37/04* ( 2006.01 )  
*A01N 37/10* ( 2006.01 )  
*A01N 37/36* ( 2006.01 )  
*A01N 37/42* ( 2006.01 )  
*A01N 43/38* ( 2006.01 )  
*A01N 43/40* ( 2006.01 )  
*A01N 43/90* ( 2006.01 )  
*A01P 21/00* ( 2006.01 )  
*C01D 1/00* ( 2006.01 )  
*C05G 3/00* ( 2006.01 )

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*A01N 33/22* ( 2006.01 )  
*A01N 37/04* ( 2006.01 )  
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C05C 9/00 ( 2006.01 )  
C05G 3/00 ( 2006.01 )  
C05G 3/90 ( 2020.01 )  
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C02F 1/46 ( 2006.01 )  
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C12N 5/0783 ( 2010.01 )  
C07K 14/725 ( 2006.01 )  
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*A61K 38/17* ( 2006.01 )  
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*A61K 39/395* ( 2006.01 )  
*A61K 47/42* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 14/435* ( 2006.01 )  
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*C25B 1/04* ( 2021.01 )  
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*C25B 9/75* ( 2021.01 )  
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*A01K 13/00* ( 2006.01 )  
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*B32B 27/00* ( 2006.01 )  
*B32B 27/40* ( 2006.01 )  
*C09J 11/00* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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*D04H 3/14* ( 2012.01 )  
*A47C 27/12* ( 2006.01 )  
*B68G 3/00* ( 2006.01 )  
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*G08G 1/01* ( 2006.01 )  
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*G05D 3/12* ( 2006.01 )  
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*G08G 1/0967* ( 2006.01 )  
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 (51) Int. Cl.  
*E21B 19/086* ( 2006.01 )  
*E21B 7/04* ( 2006.01 )  
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*E21B 19/15* ( 2006.01 )  
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*C12N 15/09* ( 2006.01 )  
*A61K 31/7115* ( 2006.01 )  
*A61K 31/7125* ( 2006.01 )  
*C07H 21/02* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
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 (54) ENGINE MIXING STRUCTURES  
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*B01F 23/00* ( 2022.01 )  
*B01F 25/00* ( 2022.01 )  
*F02B 3/06* ( 2006.01 )  
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Primus, Roy James; Dowell, John;  
Bailey, Kevin; McElhaney, Kevin  
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**(11)** AU-B-2022240945  
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**B60T 13/66** ( 2006.01 )  
**B60T 17/22** ( 2006.01 )  
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Wiesner, Chris; Ensley, Matthew; Lacy,  
Patricia Sue  
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**B25D 9/08** ( 2006.01 )  
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**A47L 9/16** ( 2006.01 )  
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cobalt-bearing materials  
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BALTES, Michael  
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cer immunotherapy  
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**C12N 5/00** ( 2006.01 )  
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Mori, Lucia  
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cotte-Collard, R.; Blanchard, J.  
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**(54)** Medical device and method for man-  
agement of ocular axial length growth in  
the context of refractive error evolution  
**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**G02C 7/06** ( 2006.01 )  
**A61B 3/103** ( 2006.01 )  
**A61B 3/11** ( 2006.01 )  
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**(31)** 62/590,388 **(32)** 24.11.17 **(33)** US  
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MICHAUD, Langis  
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**(71)** Universite Jean Monnet; Centre Hospit-  
alier Universitaire  
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**(21)** 2018382985 **(22)** 14.12.2018  
**(54)** Medical device in the form of a cart-  
ridge for preservation of a corneal spe-  
cimen  
**(51)** Int. Cl.  
**A01N 1/02** ( 2006.01 )  
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BEPIN, Pascal  
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tional de la Recherche Scientifique  
(CNRS); Institut Gustave-Roussy; In-

stitut National de la Sante et de la  
Recherche Medicale (INSERM)  
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isation-inhibiting activity and immu-  
nomodulatory properties  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4706** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61K 31/473** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
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Sébastien; DARRIGRAND, Romain  
**(74)** FPA Patent Attorneys Pty Ltd

**University-Industry Cooperation Group of  
Kyung Hee University see Navipharm Co.,  
Ltd.**  
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nesburg  
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**(54)** Pharmaceutical composition  
**(51)** Int. Cl.  
**A61L 27/18** ( 2006.01 )  
**A61L 27/22** ( 2006.01 )  
**A61L 27/24** ( 2006.01 )  
**A61L 27/26** ( 2006.01 )  
**A61L 27/56** ( 2006.01 )  
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CHOONARA, Yahya Essop; MODI, Gir-  
ish  
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**(71)** UOP LLC  
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**(21)** 2021214914 **(22)** 26.01.2021  
**(54)** Slotted plate scallops  
**(51)** Int. Cl.  
**B01J 8/02** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
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D.  
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 (21) 2018341989 (22) 26.01.2018  
 (54) Dialysate free artificial kidney device  
 (51) Int. Cl.  
*B01D 61/24* ( 2006.01 )  
*B01D 61/02* ( 2006.01 )  
*B01D 61/12* ( 2006.01 )  
*B01D 61/14* ( 2006.01 )  
*B01D 61/28* ( 2006.01 )  
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 (54) Compounds for separation of rare earth elements and s-, p-, d- metals, method of separation, and use thereof  
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*C07D 401/06* ( 2006.01 )  
*B01D 15/08* ( 2006.01 )  
*C07D 257/02* ( 2006.01 )  
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*C04B 7/22* ( 2006.01 )  
*B09B 3/80* ( 2022.01 )  
*C01B 33/26* ( 2006.01 )  
*C01B 33/32* ( 2006.01 )  
*C04B 7/43* ( 2006.01 )  
*C04B 14/04* ( 2006.01 )  
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*A01M 29/24* ( 2011.01 )  
*A01K 79/02* ( 2006.01 )  
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(71) Visa International Service Association  
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 (54) SYSTEMS AND METHODS FOR RECORDING DATA REPRESENTING MULTIPLE INTERACTIONS  
 (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )  
*H04L 9/08* ( 2006.01 )  
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 (54) DAI counting method, DAI counting control method, terminal and network device  
 (51) Int. Cl.  
*H04L 1/18* ( 2006.01 )  
*H04W 72/04* ( 2009.01 )  
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 (51) Int. Cl.  
*C07D 211/14* ( 2006.01 )  
*A61K 31/4453* ( 2006.01 )  
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 (74) James & Wells Intellectual Property

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*A61F 2/02* ( 2006.01 )  
 (87) WO2021/072190  
 (31) 62/913,549 (32) 10.10.19 (33) US  
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 (44) 08.02.2024  
 (72) SCOTTI, Christine M.; CULLY, Edward H.  
 (74) Griffith Hack

(71) Walker Digital Table Systems, LLC  
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 (21) 2022287632 (22) 15.12.2022  
 (54) Systems and methods for utilizing rfid technology to facilitate a gaming system  
 (51) Int. Cl.  
*A63F 9/24* ( 2006.01 )  
*G06F 17/00* ( 2019.01 )  
*G07F 17/32* ( 2006.01 )  
 (43) 02.02.2023  
 (44) 08.02.2024  
 (62) 2021232726  
 (72) Moore, Carolyn; Singh, Surinder; Besterman, Brian  
 (74) Michael Buck IP

(71) Waymo LLC  
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 (21) 2022209361 (22) 30.07.2022  
 (54) METHODS AND SYSTEMS FOR VEHICLE OCCUPANCY CONFIRMATION  
 (51) Int. Cl.  
*B60W 30/14* ( 2006.01 )  
*B60R 11/04* ( 2006.01 )  
*B60R 21/015* ( 2006.01 )  
*B60W 40/08* ( 2012.01 )  
*B60W 50/14* ( 2020.01 )  
 (43) 25.08.2022  
 (44) 08.02.2024  
 (62) 2021203308  
 (72) HERBACH, Joshua  
 (74) RnB IP Pty Ltd

(71) Weatherhaven Global Resources Ltd.  
 (11) AU-B-2022211914  
 (21) 2022211914 (22) 05.08.2022  
 (54) Rapidly deployable modular shelter system  
 (51) Int. Cl.  
*E04H 15/48* ( 2006.01 )  
*E04H 15/44* ( 2006.01 )  
 (43) 01.09.2022

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 (72) JOHNSON, Brian D.; SAVENKOFF, Ryan Douglas; CHRISTENSEN, Matt; BENNETT, Jean-marc  
 (74) Davies Collison Cave Pty Ltd
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- (71) Wilmarc Holdings, LLC  
 (11) AU-B-2018230968  
 (21) 2018230968 (22) 08.03.2018  
 (54) Catch assembly for releasably connecting fluid conduits  
 (51) Int. Cl.  
*F16L 39/00* ( 2006.01 )  
*A61M 39/10* ( 2006.01 )  
*A61M 39/24* ( 2006.01 )  
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*B08B 3/02* ( 2006.01 )  
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 (44) 08.02.2024  
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Numerical Index

<b>2016314781</b>	Bigg, S.	<b>2018297056</b>	COMPASS EUROPE GROUP (CEG) B.V.
<b>2016378304</b>	Institute for Research In Biomedicine	<b>2018297307</b>	BASF Corporation
<b>2016394956</b>	The Rockefeller University	<b>2018298006</b>	Panavision International, L.P.
<b>2017210224</b>	The Board of Trustees of the Leland Stanford Junior University	<b>2018298769</b>	Becton Dickinson France
<b>2017286727</b>	Boehringer Ingelheim Animal Health USA Inc.; Sanofi Pasteur SA	<b>2018300596</b>	Festool GmbH
<b>2017301117</b>	Macfarlane Burnet Institute for Medical Research and Public Health Limited	<b>2018303329</b>	Fastbrick IP Pty Ltd
<b>2017312951</b>	Genzyme Corporation	<b>2018307011</b>	Sanyo Electric Co., Ltd.
<b>2017348475</b>	Shanghai Henlius Biotech, Inc.	<b>2018309031</b>	Austin Star Detonator Company
<b>2017366469</b>	MRM HK Limited	<b>2018313067</b>	SABIC Global Technologies B.V.
<b>2017377663</b>	InQuik IP Holdings Pty Ltd	<b>2018313782</b>	Concordia University, Inc.
<b>2017378996</b>	Savage Arms, Inc.	<b>2018313842</b>	Pro-Dex, Inc.
<b>2017390178</b>	Tricord Solutions, Inc.	<b>2018315371</b>	Bio-Thera Solutions, Ltd.
<b>2017391780</b>	Hangzhou Great Star Tools Co., Ltd.; Hangzhou Great Star Industrial Co., Ltd.	<b>2018316796</b>	The Coca-Cola Company
<b>2017412390</b>	FMC Technologies, Inc.	<b>2018319055</b>	ROSEN IP AG
<b>2017426395</b>	Halliburton Energy Services, Inc.	<b>2018322825</b>	PepsiCo, Inc.
<b>2017434607</b>	Meishan CRRC Brake Science & Technology Co., Ltd.	<b>2018326290</b>	CPC Engineering Pty Ltd
<b>2017437701</b>	Prysmian S.p.A.	<b>2018334164</b>	CNH Industrial America LLC
<b>2017440031</b>	Halliburton Energy Services, Inc.	<b>2018341578</b>	L2 Diagnostics, LLC; Yale University
<b>2017440226</b>	Gas Technology Institute	<b>2018341793</b>	Dai Nippon Printing Co., Ltd.
<b>2017443982</b>	Halliburton Energy Services, Inc.	<b>2018341989</b>	US Kidney Research Corporation
<b>2018202348</b>	GREENTECH INTERNATIONAL PTY LTD	<b>2018342227</b>	MyMD Pharmaceuticals, Inc.
<b>2018202781</b>	Miyakoshi Printing Machinery Co., Ltd.	<b>2018343545</b>	Shin Nippon Biomedical Laboratories, Ltd.
<b>2018203301</b>	Medos International Sarl	<b>2018344571</b>	CUBIS SYSTEMS LIMITED
<b>2018204034</b>	ARNEG S.p.A.	<b>2018349889</b>	Yamaguchi University; National University Corporation Tottori University
<b>2018217120</b>	BeyondSpring Pharmaceuticals, Inc.	<b>2018352118</b>	Retriever Medical, Inc
<b>2018217432</b>	Racing Australia Limited	<b>2018355018</b>	Memsift Innovations Pte. Ltd.
<b>2018218003</b>	Neuromagen Pharma Ltd.	<b>2018355671</b>	Umicore
<b>2018225178</b>	Cirkul, Inc.	<b>2018360391</b>	Braincare Desenvolvimento e Inovação Tecnológica S.A.
<b>2018225312</b>	Janssen Pharmaceutica NV	<b>2018366032</b>	Carefusion Corporation
<b>2018226512</b>	Staar Surgical Company	<b>2018366174</b>	Metso Outotec USA Inc.
<b>2018226614</b>	Howell, S.; Simpson, A.	<b>2018368258</b>	Navipharm Co., Ltd.; University-Industry Cooperation Group of Kyung Hee University
<b>2018229920</b>	Zensun (Shanghai) Science & Technology, Co. Ltd.	<b>2018369875</b>	Autonomous Stuff, LLC
<b>2018229974</b>	D. Swarovski KG	<b>2018371152</b>	Khondrion IP B.V.
<b>2018230968</b>	Wilmarc Holdings, LLC	<b>2018372781</b>	Université de Montréal; Simard, P.; Marcotte-Collard, R.; Blanchard, J.
<b>2018231405</b>	Universität Basel	<b>2018373661</b>	Evonik Operations GmbH
<b>2018231529</b>	Maston Oy	<b>2018373696</b>	Societe des Produits Nestle S.A.
<b>2018232898</b>	Depuy Ireland Unlimited Company	<b>2018374286</b>	NatureWorks LLC
<b>2018233011</b>	Andritz Inc.	<b>2018374526</b>	Ustav organické chemie a biochemie AV CR, v.v.i.
<b>2018234446</b>	Lallemand Hungary Liquidity Management LLC	<b>2018375343</b>	Subsea 7 (US) LLC
<b>2018234903</b>	Eisai R&D Management Co., Ltd.	<b>2018378207</b>	Ecolab USA Inc.
<b>2018242633</b>	PlantArcBio Ltd.	<b>2018379644</b>	MARAVILLA LLC
<b>2018249566</b>	Evoqua Water Technologies LLC	<b>2018382954</b>	Mölnlycke Health Care AB
<b>2018254193</b>	TTI (Macao Commercial Offshore) Limited	<b>2018382985</b>	Université Jean Monnet; Centre Hospitalier Universitaire
<b>2018256453</b>	The University of Chicago	<b>2018385259</b>	Dupont Nutrition Biosciences ApS
<b>2018258488</b>	Cargill, Incorporated	<b>2018385453</b>	H. Lundbeck A/S
<b>2018258681</b>	Texas Children's Hospital; Texas Heart Institute	<b>2018386086</b>	Amsted Rail Company, Inc.
<b>2018260792</b>	Vining, T.; Rife, R.	<b>2018389831</b>	University of the Witwatersrand, Johannesburg
<b>2018262341</b>	Atlas Copco Airpower, Naamloze Vennootschap	<b>2018390922</b>	Magle Chemoswed Holding AB; Universität Heidelberg
<b>2018265360</b>	MatOrto Limited	<b>2018396752</b>	Dow Global Technologies LLC; Rohm and Haas Company
<b>2018266850</b>	Aurinia Pharmaceuticals Inc.	<b>2018405175</b>	Prysmian S.p.A.
<b>2018267092</b>	Sanofi Biotechnology SAS	<b>2018411014</b>	Sumitomo Electric Industries, Ltd.
<b>2018269704</b>	Massachusetts Institute of Technology; The Brigham and Women's Hospital, Inc.	<b>2018412443</b>	Karbon CCS LTD; Børseth, K.; Fleischer, H.
<b>2018271244</b>	Babcock Power Services, Inc.	<b>2018436592</b>	ZTE Corporation
<b>2018271246</b>	Nepean Conveyors Pty Ltd	<b>2018450648</b>	Halliburton Energy Services, Inc.
<b>2018271358</b>	Steel Building Systems Australia Pty Ltd	<b>2019201187</b>	The Boeing Company
<b>2018272057</b>	Stryker Corporation	<b>2019202757</b>	Aurora Flight Sciences Corporation
<b>2018274908</b>	Rohm and Haas Company	<b>2019206704</b>	YETI Coolers, LLC
<b>2018276309</b>	IVM IP Pty Ltd	<b>2019207731</b>	BrightSeed, Inc.
<b>2018287738</b>	TECHTRONIC CORDLESS GP	<b>2019208139</b>	Thales Holdings UK Plc
<b>2018292030</b>	AMO Groningen B.V.	<b>2019208552</b>	InterDigital VC Holdings, Inc.
<b>2018292041</b>	AiCuris GmbH & Co. KG	<b>2019211145</b>	Qualcomm Incorporated
<b>2018293135</b>	IDS Group	<b>2019211179</b>	Qualcomm Incorporated
<b>2018293693</b>	QinetiQ Limited		



Applications Accepted - Numerical Index cont'd

<b>2019212996</b>	Inficon GmbH	<b>2020328064</b>	Biocompatibles UK Limited; Ramadhyani, S.; Kveen, C.; Natesan, H.
<b>2019216886</b>	RYNAN Technologies Pte Ltd	<b>2020329106</b>	BNSF Railway Company
<b>2019216889</b>	RYNAN Technologies Pte Ltd	<b>2020333471</b>	Cambridge Mobile Telematics Inc.
<b>2019216954</b>	Gyrus ACMI, Inc. D.B.A. Olympus Surgical Technologies America	<b>2020335099</b>	STAEDTLER SE
<b>2019221649</b>	Qualcomm Incorporated	<b>2020338309</b>	Nitto Kohki Co., Ltd.
<b>2019223980</b>	MasterCard International Incorporated	<b>2020346362</b>	Wonderland Switzerland AG
<b>2019226052</b>	The State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (ARO) (Volcani Center)	<b>2020351739</b>	Apple Inc.
<b>2019227407</b>	Corn Products Development, Inc.	<b>2020352589</b>	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.
<b>2019234747</b>	Evoqua Water Technologies LLC	<b>2020354322</b>	Siemens Mobility GmbH
<b>2019242360</b>	Sharp Kabushiki Kaisha; FG Innovation Company Limited	<b>2020360013</b>	LG Electronics Inc.
<b>2019245807</b>	BASF SE	<b>2020363658</b>	Tongwei Solar (Chengdu) Co., Ltd.; Tongwei Solar (Meishan) Co., Ltd.
<b>2019249451</b>	Shaw Industries Group, Inc.	<b>2020363978</b>	W. L. Gore & Associates, Inc.
<b>2019253361</b>	Legrand France; Legrand SNC	<b>2020371761</b>	Huawei Technologies Co., Ltd.
<b>2019255300</b>	ConocoPhillips Company	<b>2020371777</b>	BYD Company Limited
<b>2019259112</b>	Universite Paris-Saclay; Centre National de la Recherche Scientifique (CNRS); Institut Gustave-Roussy; Institut National de la Sante et de la Recherche Medicale (INSERM)	<b>2020373346</b>	CMR Surgical Limited
<b>2019259549</b>	Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.	<b>2020374041</b>	Jing Medicine Technology (Shanghai) Ltd.; ShanghaiTech University
<b>2019260517</b>	Societe des Produits Nestle S.A.	<b>2020375214</b>	Pfizer Inc.
<b>2019261705</b>	Avent Investment, LLC	<b>2020375506</b>	PRG S&Tech Inc.
<b>2019262000</b>	CSP Technologies, Inc.	<b>2020384653</b>	International Business Machines Corporation
<b>2019265165</b>	LG Energy Solution, LTD.	<b>2020387144</b>	JFE Steel Corporation
<b>2019273331</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2020387700</b>	Xinjiang Goldwind Science & Technology Co., Ltd.
<b>2019282760</b>	Mykito Sciences Inc.	<b>2020389341</b>	Blafar Biotechnology (Hangzhou) Ltd
<b>2019288495</b>	ANTENGENE THERAPEUTICS LIMITED	<b>2020401124</b>	CPG Technologies, LLC
<b>2019301598</b>	Z-Modular Holding, Inc.	<b>2020407121</b>	Metagenics LLC
<b>2019304882</b>	Halliburton Energy Services, Inc.	<b>2020407301</b>	Borealis AG
<b>2019308940</b>	Guangzhou Ocusun Ophthalmic Biotechnology Co., Ltd.	<b>2020408144</b>	AdvanSix Resins & Chemicals LLC
<b>2019313550</b>	Novo Nordisk A/S	<b>2020408413</b>	Hill's Pet Nutrition, Inc.
<b>2019324316</b>	Ocean Sun AS	<b>2020409316</b>	LG Electronics Inc.
<b>2019325910</b>	Axure Software Solutions, Inc.	<b>2020410906</b>	Chen, C.H.
<b>2019333044</b>	Alarm.com Incorporated	<b>2020424425</b>	Eavor Technologies Inc.
<b>2019340173</b>	Kissei Pharmaceutical Co., Ltd.	<b>2020434731</b>	Husqvarna AB
<b>2019340705</b>	Mastercard Technologies Canada ULC	<b>2020448955</b>	Kuchimanchi, V.S.S.S.; Kuchimanchi, V.
<b>2019346838</b>	Amgen Inc.	<b>2020455471</b>	Longi Solar Technology (Taizhou) Co., Ltd.
<b>2019365382</b>	F. HOFFMANN-LA ROCHE AG	<b>2020455964</b>	Atlas Power Technologies Inc.
<b>2019368098</b>	CinDome Pharma, Inc.	<b>2020459846</b>	ZTE Corporation
<b>2019384474</b>	Owens-Brockway Glass Container Inc.	<b>2020470450</b>	Robustus Co., Ltd.
<b>2019414202</b>	Hirosaki University; Otsuka Pharmaceutical Factory, Inc.	<b>2020472678</b>	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
<b>2019433018</b>	Huawei Digital Power Technologies Co., Ltd.	<b>2020474963</b>	FUJITSU LIMITED
<b>2019440085</b>	ZTE Corporation	<b>2021201624</b>	President and Fellows of Harvard College
<b>2019451585</b>	Nanjing Chervon Industry Co., Ltd.	<b>2021203790</b>	Novartis AG; The Trustees of the University of Pennsylvania
<b>2019472977</b>	ZTE Corporation	<b>2021204107</b>	Flexopack S.A.
<b>2020202498</b>	Chugai Seiyaku Kabushiki Kaisha	<b>2021206908</b>	Translate Bio, Inc.
<b>2020209217</b>	Acepodia biotechnologies Ltd.	<b>2021206909</b>	Afton Chemical Corporation
<b>2020214101</b>	Eaton Intelligent Power Limited	<b>2021210097</b>	Nuovo Pignone Technologie - S.r.l.
<b>2020221056</b>	BOXABL INC	<b>2021214914</b>	UOP LLC
<b>2020221274</b>	Sigma-Aldrich Co. LLC.	<b>2021214938</b>	Corcept Therapeutics Incorporated
<b>2020222299</b>	Hetero Labs Limited	<b>2021216844</b>	Northrop Grumman Systems Corporation
<b>2020228549</b>	Woolaid Limited	<b>2021221764</b>	Iluka Resources Limited; Australian Nuclear Science and Technology Organisation
<b>2020230269</b>	DOMPÉ FARMACEUTICI S.P.A.; The Regents of the University of California	<b>2021221776</b>	FORTESCUE METALS GROUP LTD
<b>2020239677</b>	Regeneron Pharmaceuticals, Inc.	<b>2021228470</b>	Asahi Kasei Kabushiki Kaisha
<b>2020239736</b>	ProKidney	<b>2021229124</b>	Adobe Inc.
<b>2020256049</b>	The Toro Company	<b>2021229145</b>	TRACTO-TECHNIK GmbH & Co. KG
<b>2020281158</b>	Juno Therapeutics, Inc.	<b>2021229232</b>	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
<b>2020283011</b>	GC Corporation	<b>2021234183</b>	International Business Machines Corporation
<b>2020289826</b>	Tompkins Robotics, Inc.	<b>2021234895</b>	Hager-Electro SAS
<b>2020319113</b>	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	<b>2021235939</b>	Colgate-Palmolive Company
<b>2020322228</b>	Carl Freudenberg KG	<b>2021236140</b>	Google LLC
<b>2020323503</b>	Brightseed, Inc.; Sanford-Burnham Medical Research Institute	<b>2021241609</b>	Baker Hughes Oilfield Operations LLC
		<b>2021241637</b>	Rockline Industries Inc.
		<b>2021244306</b>	Boston Scientific Scimed, Inc.
		<b>2021244310</b>	Boston Scientific Scimed, Inc.
		<b>2021247535</b>	Hitachi Construction Machinery Co., Ltd.
		<b>2021251552</b>	Komatsu Ltd.
		<b>2021253760</b>	CMR Surgical Limited

Applications Accepted - Numerical Index cont'd

2021254246	Komatsu Ltd.	2022202019	Smith & Nephew plc
2021258039	The Global Alliance for TB Drug Development, Inc.	2022202175	Absolute Software Corporation
2021259170	Google LLC	2022202288	Georgia Tech Research Corporation
2021260324	TOYOBO MC Corporation	2022203232	Covenant Eyes, Inc.
2021262264	Vivo Mobile Communication Co., Ltd.	2022203495	VSPHarmtech
2021266233	Tokuyama Corporation	2022203506	Japan Tobacco Inc.; LEO Pharma A/S
2021266734	Baker Hughes Oilfield Operations LLC	2022203742	MAID IP Holdings Pty Ltd
2021267826	Baker Hughes Oilfield Operations LLC	2022203967	Air Products and Chemicals, Inc.
2021269157	Nclave Renewable, S.L.	2022204150	Kellogg Company
2021269278	Monash University	2022204721	Intuit Inc.
2021269425	Nextivity, Inc.	2022204797	Block, Inc.
2021275060	Google LLC	2022206726	Bruin Biometrics LLC
2021275475	Borealis AG	2022209361	Waymo LLC
2021277617	Ceek Women's Health, Inc.	2022211914	Weatherhaven Global Resources Ltd.
2021277661	Standard Lithium Ltd.	2022215067	Apple Inc.
2021279136	thyssenkrupp nucera AG & Co. KGaA	2022218461	Teslo Pty Ltd
2021282407	Adama Makhteshim Ltd.	2022218551	Shanghai Hongyan Returnable Transit Packagings Co., Ltd.
2021282467	Ellipses Pharma Ltd	2022221422	Eximis Surgical Inc.
2021282516	Hensley Industries, Inc.	2022221540	Smeg S.p.A.
2021282548	Baker Hughes Holdings, LLC	2022231769	Transportation IP Holdings, LLC
2021286379	Orthopediatrics Corp.	2022232267	ZEBRA TECHNOLOGIES CORPORATION
2021286449	ADDVERB TECHNOLOGIES LIMITED	2022240945	Transportation IP Holdings, LLC
2021286579	Ancestry.com Operations Inc.	2022241492	Visa International Service Association
2021289548	3M Innovative Properties Company	2022263591	Edico Genome Corp.
2021290417	Aqua View Inc.	2022268374	Getac Technology Corporation
2021302843	Fujikura Ltd.	2022279544	Power Distribution, Inc.
2021306999	AdvanSix Resins & Chemicals LLC	2022283681	Southern Mills, Inc.
2021307947	Baker Hughes Oilfield Operations LLC	2022287577	Donaldson Company, Inc.
2021309147	EnnovaBio (Zhejiang) Pharmaceuticals Co., Ltd.; Shanghai EnnovaBio Pharmaceuticals Co., Ltd.	2022287632	Walker Digital Table Systems, LLC
2021311159	Komatsu Ltd.	2022291604	Huawei Technologies Co., Ltd.
2021325660	Board of Trustees of Michigan State University	2022310127	AKZO NOBEL COATINGS INTERNATIONAL B.V.
2021329159	Lmito Therapeutics Inc.	2022368365	CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU KERUI MINING TECHNOLOGY CO., LTD.
2021329657	CONTINENTAL ELECTRONICS CORP.	2022417274	AMPLUS Co., Ltd.
2021332587	Equinix, Inc.	2023200081	TOCA Football, Inc.
2021336062	Geobrugg AG	2023200149	Duracell U.S. Operations, Inc.
2021342797	Janssen Pharmaceuticals, Inc.	2023200163	The NOCO Company
2021343870	Shell Internationale Research Maatschappij B.V.	2023200251	Tencent America LLC
2021350240	thyssenkrupp AG; ATLAS ELEKTRONIK GmbH	2023200387	Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
2021364698	Moose Creative Management Pty Limited	2023200550	Mitsubishi Electric Corporation
2021370072	LG CHEM, LTD.	2023200713	Kultevat, Inc.
2021401661	PAYPAL, INC.	2023201043	Icon23 Pty Ltd
2021413536	QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.	2023201428	Huawei Technologies Co., Ltd.
2021413737	EQUINIX, INC.	2023201441	HSU, C.
2021422269	HANGZHOU APELOA MEDICINE RESEARCH INSTITUTE CO., LTD.; APELOA PHARMACEUTICAL CO., LTD.	2023201829	Tencent America LLC
2021427917	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION	2023202570	Huawei Technologies Co., Ltd.
2021440425	Wu, W.	2023202927	Huawei Technologies Co., Ltd.
2021441161	QILU UNIVERSITY OF TECHNOLOGY	2023203020	Tencent America LLC
2022200184	LG Electronics Inc.	2023203356	Anavex Life Sciences Corp.
2022200341	Sangamo Therapeutics, Inc.	2023203520	HUAWEI TECHNOLOGIES CO., LTD.
2022200374	Zhejiang Sunmixer Sanitary Ware Co., Ltd.	2023219870	AFFILIATED HOSPITAL OF NANTONG UNIVERSITY
2022200420	Panosian, M.H.; Keeler, J.M.	2023266373	Biohaven Therapeutics Ltd.
2022200676	Canon Kabushiki Kaisha		
2022200683	Berkeley Lights, Inc.		
2022200794	Acuitas Therapeutics Inc.		
2022200809	Nuix North America Inc.		
2022200833	Parasol Medical LLC		
2022200834	BLACKPOWDER PRODUCTS, INC.		
2022201054	Optimum Tracker		
2022201318	Implantica Patent Ltd		
2022201412	Safe Foods Corporation		
2022201454	Nextracker LLC		
2022201537	Vale S.A.		
2022201589	Monsanto Technology LLC		
2022201607	Covco (H.K) Limited		
2022201642	LUBRIZOL ADVANCED MATERIALS, INC.		
2022201668	Air Products and Chemicals, Inc.		
2022201714	COMPOSECURE, LLC		

IPC Index

<b><u>A01D 101 /-</u></b>	2019226052	<b><u>A23L 3 /-</u></b>	2018300596	2018382954	2017286727
2020434731	<b><u>A01N 37 /-</u></b>	2018202348	<b><u>A61B 1 /-</u></b>	2022201318	2017348475
<b><u>A01D 34 /-</u></b>	2019216886	<b><u>A23L 33 /-</u></b>	2021244306	<b><u>A61F 9 /-</u></b>	2018256453
2018334164	2019216889	2018234446	2021244310	2018372781	2018341578
2020256049	<b><u>A01N 39 /-</u></b>	2018368258	2021277617	<b><u>A61J 3 /-</u></b>	2020202498
2020434731	2019216889	2020323503	<b><u>A61B 17 /-</u></b>	2018269704	2020230269
<b><u>A01D 41 /-</u></b>	<b><u>A01N 43 /-</u></b>	2020375506	2018203301	<b><u>A61K 31 /-</u></b>	2020239677
2018334164	2019216886	2020407121	2018313842	2018217120	2021214938
<b><u>A01D 46 /-</u></b>	2019216889	<b><u>A23L 5 /-</u></b>	2018352118	2018218003	2018234903
2018202348	2021282407	2018202348	2021286379	2018385453	2021214938
<b><u>A01D 91 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A23N 12 /-</u></b>	2022221422	2018229920	<b><u>A61K 45 /-</u></b>
2018202348	2021282407	2018202348	<b><u>A61B 18 /-</u></b>	2018234903	2018218003
<b><u>A01G 13 /-</u></b>	<b><u>A01N 59 /-</u></b>	<b><u>A23N 15 /-</u></b>	2019216954	2018292041	2018256453
2018322825	2020448955	2018202348	2020328064	2018313782	2018341578
<b><u>A01G 9 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A23P 10 /-</u></b>	2021253760	2018342227	2019282760
2016314781	2020448955	2018385259	2022206726	2018371152	2020230269
2018322825	<b><u>A01P 21 /-</u></b>	<b><u>A41D 19 /-</u></b>	2022221422	2018385453	2019207731
<b><u>A01H 5 /-</u></b>	2019216886	<b><u>A61B 3 /-</u></b>	<b><u>A61B 3 /-</u></b>	2019207731	2019259112
2018242633	2019216889	2018372781	2018372781	2019282760	2019288495
<b><u>A01K 13 /-</u></b>	2019226052	<b><u>A61B 34 /-</u></b>	<b><u>A61B 34 /-</u></b>	2019308940	2019308940
2021266233	<b><u>A21D 10 /-</u></b>	2022201607	2020373346	2019340173	2019368098
<b><u>A01K 79 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A42B 3 /-</u></b>	2021253760	2020222299	2020222299
2018260792	2018385259	2018217432	<b><u>A61B 5 /-</u></b>	2020230269	2020374041
<b><u>A01M 1 /-</u></b>	<b><u>A21D 8 /-</u></b>	<b><u>A47C 27 /-</u></b>	2018360391	2020375506	2020407121
2018297307	2018385259	2021260324	2022206726	2020407121	2021206908
<b><u>A01M 29 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A47C 4 /-</u></b>	<b><u>A61B 90 /-</u></b>	2021214938	2021214938
2018260792	2018385259	2019206704	2021253760	2021258039	2021269278
<b><u>A01M 31 /-</u></b>	<b><u>A21D 8 /-</u></b>	<b><u>A47F 3 /-</u></b>	<b><u>A61C 5 /-</u></b>	2021282467	2021282467
2018297307	2018234446	2018204034	2021309147	2021309147	2021329159
<b><u>A01M 7 /-</u></b>	<b><u>A23C 9 /-</u></b>	<b><u>A47J 43 /-</u></b>	2021329159	2021370072	2021370072
2020470450	2019260517	2018225178	2021422269	2021422269	2021422269
<b><u>A01N 1 /-</u></b>	<b><u>A23D 9 /-</u></b>	2018373696	2022203495	2022203495	2022203495
2018382985	2018258488	<b><u>A47K 7 /-</u></b>	2023203356	2023203356	2023219870
<b><u>A01N 25 /-</u></b>	2018385259	2021241637	2023219870	<b><u>A61K 35 /-</u></b>	2023219870
2020448955	<b><u>A23G 3 /-</u></b>	<b><u>A47L 13 /-</u></b>	<b><u>A61F 11 /-</u></b>	2018349889	2018349889
2021282407	2019227407	2020322228	2021289548	2018368258	2020209217
<b><u>A01N 33 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A47L 5 /-</u></b>	<b><u>A61F 13 /-</u></b>	2020209217	<b><u>A61L 15 /-</u></b>
2019216886	2018234446	2018287738	2018382954	<b><u>A61K 36 /-</u></b>	2018382954
2019216889	<b><u>A23K 50 /-</u></b>	<b><u>A47L 7 /-</u></b>	2020228549	2019207731	<b><u>A61L 27 /-</u></b>
	2020408413	2018300596	2022202019	2020230269	2018389831
	<b><u>A23L 2 /-</u></b>	<b><u>A47L 9 /-</u></b>	<b><u>A61F 2 /-</u></b>	2020407121	<b><u>A61M 1 /-</u></b>
	2019259549	2018287738	2018226512	<b><u>A61K 38 /-</u></b>	2022200833
	2019260517	<b><u>A47L 7 /-</u></b>	2018232898	2016378304	2022202019
		2018300596	2018265360	2018266850	<b><u>A61M 13 /-</u></b>
		<b><u>A47L 9 /-</u></b>	2018272057	2018341578	2018343545
		2018254193	2018292030	2018349889	
		2018287738	2020363978	<b><u>A61K 39 /-</u></b>	<b><u>A61M 27 /-</u></b>
			2022201318	2016394956	
			<b><u>A61F 5 /-</u></b>		

Applications Accepted - IPC Index cont'd

2022200833	<b><u>A61P 35 /-</u></b>		2018366174	<b><u>B29C 44 /-</u></b>	
<b><u>A61M 37 /-</u></b>	2018217120	<b><u>A63H 19 /-</u></b>			<b><u>B60Q 9 /-</u></b>
	2018218003	2021364698	<b><u>B05B 1 /-</u></b>	2018373661	2023200387
2019262000	2018234903	2023201043	2018276309	<b><u>B29C 64 /-</u></b>	
2022202288	2018256453				<b><u>B60R 11 /-</u></b>
<b><u>A61M 39 /-</u></b>	2018349889	<b><u>A63H 3 /-</u></b>	<b><u>B05B 7 /-</u></b>	2018229974	2022209361
	2019259112	2021364698	2018276309	<b><u>B29C 67 /-</u></b>	
2018230968	2020239677				<b><u>B60R 21 /-</u></b>
	2020374041	<b><u>A63J 21 /-</u></b>	<b><u>B07C 3 /-</u></b>	2018373661	2022209361
<b><u>A61M 5 /-</u></b>	2021214938	2021364698	2020289826	<b><u>B29C 70 /-</u></b>	
	<b><u>A61P 37 /-</u></b>				<b><u>B60T 13 /-</u></b>
2018269704	2016378304	<b><u>B01D 15 /-</u></b>	<b><u>B07C 5 /-</u></b>	2018293693	2022240945
2018366032		2018374526	2021286449	<b><u>B29K 79 /-</u></b>	
2019262000	<b><u>A61P 43 /-</u></b>	2021277661			<b><u>B60T 17 /-</u></b>
2019414202		<b><u>B01D 46 /-</u></b>	<b><u>B08B 3 /-</u></b>	2018373661	2022240945
<b><u>A61N 1 /-</u></b>	2018218003	2022287577	2022200374	<b><u>B29K 81 /-</u></b>	
2019261705	<b><u>A61P 5 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B08B 9 /-</u></b>	2018373661	<b><u>B60W 30 /-</u></b>
<b><u>A61P 1 /-</u></b>	2021269278	2018412443	2022201589	<b><u>B31B 70 /-</u></b>	2018369875
	<b><u>A61P 7 /-</u></b>		<b><u>B09B 3 /-</u></b>	2022204150	2022209361
2019340173	2018342227	<b><u>B01D 61 /-</u></b>	2022201537	<b><u>B32B 15 /-</u></b>	2020333471
2019368098	2019313550	2018341989	<b><u>B23B 45 /-</u></b>	2022200834	2022209361
2021309147	<b><u>A61Q 15 /-</u></b>	2018355018	2020338309	<b><u>B32B 19 /-</u></b>	<b><u>B60W 50 /-</u></b>
<b><u>A61P 13 /-</u></b>	2021235939	2021277661			2018369875
	<b><u>A61Q 19 /-</u></b>	<b><u>B01D 63 /-</u></b>	<b><u>B23B 47 /-</u></b>	2022200834	2022209361
2018266850	2021235939	2018355018	2020338309	<b><u>B32B 21 /-</u></b>	
2020407121	<b><u>A61Q 5 /-</u></b>	2022201412	<b><u>B23B 5 /-</u></b>	2022310127	<b><u>B61F 5 /-</u></b>
2021342797	2021235939	<b><u>B01D 71 /-</u></b>	2019249451	<b><u>B32B 27 /-</u></b>	<b><u>B61G 7 /-</u></b>
<b><u>A61P 15 /-</u></b>		2022201412	<b><u>B23Q 11 /-</u></b>	2018341793	2017434607
	<b><u>A63B 21 /-</u></b>	<b><u>B01F 23 /-</u></b>	2020338309	2019249451	
2018218003	2023201441	2018378207	<b><u>B23Q 17 /-</u></b>	2021204107	<b><u>B61L 15 /-</u></b>
2021370072	<b><u>A63B 22 /-</u></b>	2022231769	2020338309	2021266233	2020354322
<b><u>A61P 21 /-</u></b>	2023201441	<b><u>B01F 25 /-</u></b>	2020338309	2022310127	
	<b><u>A63B 23 /-</u></b>	2018378207	<b><u>B23Q 9 /-</u></b>	2018217432	<b><u>B61L 27 /-</u></b>
2020375506	2023201441	2022231769	2020338309	<b><u>B32B 5 /-</u></b>	2020354322
<b><u>A61P 25 /-</u></b>	<b><u>A63B 65 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B25B 7 /-</u></b>	2021204107	<b><u>B61L 3 /-</u></b>
	2023200081	2021214914	2017391780	2022310127	2020354322
2018229920	<b><u>A63B 69 /-</u></b>	2021343870	<b><u>B25D 17 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B62B 7 /-</u></b>
2018371152	2023200081	<b><u>B01J 20 /-</u></b>	2017390178	2018229974	2020346362
2018379644	<b><u>A63B 71 /-</u></b>	2021277661			<b><u>B62B 9 /-</u></b>
2018385453	2023201441	<b><u>B01J 23 /-</u></b>	<b><u>B25D 9 /-</u></b>	2018229974	2020346362
<b><u>A61P 27 /-</u></b>		2017440226	2017390178	<b><u>B33Y 30 /-</u></b>	
	<b><u>A63B 65 /-</u></b>	2021325660		2018229974	<b><u>B62D 1 /-</u></b>
2019308940	2023201441	<b><u>B01J 19 /-</u></b>	<b><u>B25J 9 /-</u></b>	2018229974	2020371777
2020230269	<b><u>A63B 65 /-</u></b>	2021214914	2018303329	<b><u>B33Y 70 /-</u></b>	2020354322
<b><u>A61P 29 /-</u></b>	2023200081	2021343870	2020373346	<b><u>B41F 13 /-</u></b>	2020434731
	<b><u>A63B 69 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B29C 41 /-</u></b>	2018202781	<b><u>B62D 15 /-</u></b>
2018267092	2023200081	2021277661	2022201607	<b><u>B60M 5 /-</u></b>	2020371777
2021329159	<b><u>A63B 71 /-</u></b>	<b><u>B01J 23 /-</u></b>			
2021370072	2023201441	2017440226	<b><u>B29C 41 /-</u></b>	2018344571	
2021422269	<b><u>A63B 71 /-</u></b>	2021325660			
<b><u>A61P 3 /-</u></b>	2018217432	<b><u>B01J 8 /-</u></b>	<b><u>B29C 41 /-</u></b>		
	<b><u>A63F 13 /-</u></b>	2021214914			
2019207731	2021236140	<b><u>B02C 23 /-</u></b>			
2020408413	<b><u>A63F 9 /-</u></b>	2018366174			
2021370072	2022287632	<b><u>B02C 4 /-</u></b>			
<b><u>A61P 31 /-</u></b>	<b><u>A63H 17 /-</u></b>				
	2023201043				

Applications Accepted - IPC Index cont'd

<b><u>B63B 17 /-</u></b>		<b><u>C04B 28 /-</u></b>	<b><u>C07D 263 /-</u></b>	<b><u>C07F 9 /-</u></b>	2021275475
2021221776	<b><u>B67D 1 /-</u></b>	2022201537	2021258039	2019288495	<b><u>C08F 216 /-</u></b>
<b><u>B63B 25 /-</u></b>	2018316796	<b><u>C04B 35 /-</u></b>	<b><u>C07D 295 /-</u></b>	<b><u>C07H 1 /-</u></b>	2018396752
2021221776	<b><u>B67D 3 /-</u></b>	2021221764	2022200794	2019365382	<b><u>C08F 220 /-</u></b>
<b><u>B63H 21 /-</u></b>	2022200374	<b><u>C04B 41 /-</u></b>	<b><u>C07D 307 /-</u></b>	<b><u>C07H 19 /-</u></b>	2017286727
2021221776	<b><u>B68G 3 /-</u></b>	2021221764	2022203506	2019288495	<b><u>C08G 18 /-</u></b>
2022203742	2021260324	<b><u>C04B 7 /-</u></b>	2023203356	<b><u>C07H 21 /-</u></b>	2022201642
<b><u>B63H 25 /-</u></b>	<b><u>B82Y 10 /-</u></b>	2022201537	<b><u>C07D 401 /-</u></b>	2019365382	2022310127
2022203742	2020384653	<b><u>C05C 1 /-</u></b>	2018374526	2021201624	<b><u>C08H 8 /-</u></b>
<b><u>B63J 3 /-</u></b>	<b><u>C01B 3 /-</u></b>	2019216889	2019259112	2021206908	2023200713
2021221776	2017440226	<b><u>C05C 3 /-</u></b>	2021422269	<b><u>C07J 1 /-</u></b>	<b><u>C08K 5 /-</u></b>
<b><u>B63J 99 /-</u></b>	2021343870	2019216889	<b><u>C07D 403 /-</u></b>	2021269278	2020408144
2021221776	2022201668	<b><u>C05C 9 /-</u></b>	2018374526	<b><u>C07J 31 /-</u></b>	<b><u>C08L 23 /-</u></b>
<b><u>B65B 31 /-</u></b>	<b><u>C01B 32 /-</u></b>	2018313067	2019259112	2021269278	2020407301
2018298769	2018412443	<b><u>C05G 1 /-</u></b>	2021370072	<b><u>C07J 5 /-</u></b>	2021275475
<b><u>B65B 59 /-</u></b>	2020455964	2019216889	2022203506	2021269278	<b><u>C08L 33 /-</u></b>
2018298769	2021343870	<b><u>C05G 3 /-</u></b>	2018374526	<b><u>C07J 63 /-</u></b>	2018396752
<b><u>B65B 61 /-</u></b>	<b><u>C01B 33 /-</u></b>	2018313067	<b><u>C07D 413 /-</u></b>	2020222299	<b><u>C08L 63 /-</u></b>
2022204150	2022201537	2019216886	2021258039	<b><u>C07J 9 /-</u></b>	2018374286
<b><u>B65B 67 /-</u></b>	<b><u>C01C 1 /-</u></b>	2019216886	2021282467	2019308940	<b><u>C08L 67 /-</u></b>
2018298769	2022201668	2019216889	2023266373	2021269278	2018374286
<b><u>B65B 7 /-</u></b>	<b><u>C01D 1 /-</u></b>	<b><u>C05G 5 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08L 81 /-</u></b>
2018298769	2019216886	2019216886	2023266373	2018256453	2018373661
<b><u>B65D 19 /-</u></b>	<b><u>C01D 15 /-</u></b>	2019216889	<b><u>C07D 455 /-</u></b>	2018341578	<b><u>C09D 11 /-</u></b>
2022218551	2021277661	<b><u>C07C 219 /-</u></b>	2021309147	2020281158	2020408144
<b><u>B65D 21 /-</u></b>	<b><u>C01G 53 /-</u></b>	2022200794	<b><u>C07D 471 /-</u></b>	2020375214	<b><u>C09D 13 /-</u></b>
2016314781	2019245807	<b><u>C07C 229 /-</u></b>	2019340173	2021203790	2020335099
<b><u>B65D 35 /-</u></b>	2023200149	2022200794	2021329159	2022200341	<b><u>C09D 167 /-</u></b>
2020283011	<b><u>C02F 1 /-</u></b>	<b><u>C07C 271 /-</u></b>	2021422269	<b><u>C07K 16 /-</u></b>	2018374286
<b><u>B65D 55 /-</u></b>	2018341989	2022203506	<b><u>C07D 487 /-</u></b>	2016394956	<b><u>C09D 5 /-</u></b>
2022218551	2018355018	<b><u>C07C 309 /-</u></b>	2020374041	2017210224	2018231529
<b><u>B65D 59 /-</u></b>	2019234747	2021306999	2022203506	2017348475	2018274908
2018319055	2022201412	2022200794	<b><u>C07D 491 /-</u></b>	2018267092	2020408144
<b><u>B65G 1 /-</u></b>	<b><u>C02F 3 /-</u></b>	<b><u>C07D 211 /-</u></b>	2022203506	2018315371	<b><u>C09D 7 /-</u></b>
2021286449	2018249566	2022203495	2022203506	2019313550	2018231529
<b><u>B65G 21 /-</u></b>	2019234747	<b><u>C07D 215 /-</u></b>	<b><u>C07D 493 /-</u></b>	2020202498	2018274908
2018326290	<b><u>C03B 19 /-</u></b>	2021258039	2020375506	2020209217	2020408144
<b><u>B65G 23 /-</u></b>	2018229974	<b><u>C07D 231 /-</u></b>	<b><u>C07D 498 /-</u></b>	2020239677	<b><u>C09D 11 /-</u></b>
2018271246	2019384474	2021329159	2021258039	2020281158	2020408144
	<b><u>C03B 9 /-</u></b>	<b><u>C07D 257 /-</u></b>	<b><u>C07D 519 /-</u></b>	2021203790	<b><u>C09J 11 /-</u></b>
	2019384474	2018374526	2022203506	2021214938	2020408144
	<b><u>C04B 14 /-</u></b>		<b><u>C07F 7 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C09J 175 /-</u></b>
	2020221056		2020408144	2018266850	2021266233
	2022201537			2018341578	2022310127
				<b><u>C08B 37 /-</u></b>	
				2019282760	
				2020389341	
				<b><u>C08F 210 /-</u></b>	

Applications Accepted - IPC Index cont'd

<b><u>C09J 201 /-</u></b>	<b><u>C12P 21 /-</u></b>	<b><u>D06F 39 /-</u></b>	2017377663	2021307947	2022200676
2021266233	2020202498	2022200184	<b><u>E04G 17 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F16K 11 /-</u></b>
<b><u>C09K 8 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>D06N 7 /-</u></b>	2017377663	2021229145	2022200374
2017443982	2018225312	2019249451	<b><u>E04G 21 /-</u></b>	<b><u>E21D 20 /-</u></b>	<b><u>F16K 25 /-</u></b>
2018450648	2018313782		2017366469	2018226614	2022200374
	2021229232	<b><u>D21H 11 /-</u></b>	2019301598		
<b><u>C10M 133 /-</u></b>	<b><u>C12R 1 /-</u></b>	2021241637	<b><u>E04H 15 /-</u></b>	<b><u>E21D 21 /-</u></b>	<b><u>F16L 21 /-</u></b>
2021206909				2018226614	2018230968
	2018315371	<b><u>D21H 13 /-</u></b>	2022211914		
<b><u>C10M 143 /-</u></b>	2018368258	2021241637	<b><u>E04H 6 /-</u></b>	<b><u>E21D 9 /-</u></b>	<b><u>F16L 29 /-</u></b>
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	<b><u>C22B 1 /-</u></b>	<b><u>D21H 17 /-</u></b>	2020256049		
<b><u>C11B 3 /-</u></b>	2021221764	2021241637	<b><u>E05D 7 /-</u></b>	<b><u>E21F 13 /-</u></b>	<b><u>F16L 37 /-</u></b>
2018258488				2018326290	2018230968
	<b><u>C22B 23 /-</u></b>	<b><u>D21H 27 /-</u></b>	2020319113		
<b><u>C11B 5 /-</u></b>	2018355671	2021241637	<b><u>E05F 15 /-</u></b>	<b><u>F02B 23 /-</u></b>	<b><u>F16L 39 /-</u></b>
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	<b><u>C22B 3 /-</u></b>	<b><u>E01B 2 /-</u></b>	2020256049		
<b><u>C11D 1 /-</u></b>	2018355671	2018344571	<b><u>E06B 11 /-</u></b>	<b><u>F02B 3 /-</u></b>	<b><u>F16L 55 /-</u></b>
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	<b><u>C22B 34 /-</u></b>	<b><u>E01B 26 /-</u></b>	2020256049		2018319055
<b><u>C12M 1 /-</u></b>	2021221764	2018344571	<b><u>E21B 17 /-</u></b>	<b><u>F03D 1 /-</u></b>	2018366032
2022200683				2020387700	<b><u>F16L 57 /-</u></b>
	<b><u>C25B 1 /-</u></b>	<b><u>E01C 13 /-</u></b>	2019304882		
<b><u>C12N 1 /-</u></b>	2021279136	2019249451	2021307947	<b><u>F03G 4 /-</u></b>	2018319055
2018234446	2022201668				
2018368258		<b><u>E01F 13 /-</u></b>	<b><u>E21B 19 /-</u></b>	2020424425	<b><u>F16L 59 /-</u></b>
2019282760		2020256049	2021229145	<b><u>F04C 29 /-</u></b>	2018375343
	2021228470				
<b><u>C12N 15 /-</u></b>	<b><u>C25B 15 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E21B 23 /-</u></b>	2018262341	<b><u>F17C 13 /-</u></b>
2017312951		2021311159	2017440031	<b><u>F04D 13 /-</u></b>	2020387144
2018234446	2021228470		2021267826		
2018242633	2021279136	<b><u>E02F 9 /-</u></b>		2021241609	<b><u>F17C 5 /-</u></b>
2018315371		2021251552	<b><u>E21B 29 /-</u></b>	<b><u>F04D 17 /-</u></b>	2022201668
2018349889	<b><u>C25B 9 /-</u></b>	2021254246	2021282548		
2020209217		2021282516		2022201668	<b><u>F23D 23 /-</u></b>
2020221274	2021228470	2021311159	<b><u>E21B 33 /-</u></b>	<b><u>F04D 25 /-</u></b>	2018271244
2021201624	2021279136				
2021206908	<b><u>D02G 3 /-</u></b>	<b><u>E03C 1 /-</u></b>	2017412390	<b><u>F04D 27 /-</u></b>	2018271244
2022200341		2021290417	2017426395	2022203967	<b><u>F23J 15 /-</u></b>
	2022283681	2022200374	2020424425		
<b><u>C12N 5 /-</u></b>	<b><u>D03D 15 /-</u></b>	<b><u>E04B 1 /-</u></b>	2021282548	<b><u>F04D 29 /-</u></b>	2018412443
2018231405		2018341793			
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2020209217	<b><u>D04H 11 /-</u></b>	2018271358	2019304882	<b><u>F04D 29 /-</u></b>	2020409316
2020239736			2021241609		
2022200341	2019249451	<b><u>E04B 7 /-</u></b>	2021267826	2021210097	<b><u>F24C 3 /-</u></b>
		2018271358			
<b><u>C12N 7 /-</u></b>	<b><u>D04H 13 /-</u></b>		<b><u>E21B 41 /-</u></b>	<b><u>F16B 13 /-</u></b>	2020409316
2017312951	2019249451		2017440031	2018226614	2022221540
			2021266734		
<b><u>C12N 9 /-</u></b>	<b><u>D04H 3 /-</u></b>	<b><u>E04C 2 /-</u></b>		<b><u>F16B 5 /-</u></b>	<b><u>F24C 5 /-</u></b>
2018234446		2020221056	<b><u>E21B 43 /-</u></b>		2022221540
2018315371	2018293693		2019304882	2017366469	<b><u>F24S 30 /-</u></b>
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		2018271358	2021266734	<b><u>F16D 1 /-</u></b>	2021269157
<b><u>C12P 19 /-</u></b>	<b><u>D06F 37 /-</u></b>			2022200676	<b><u>F24S 50 /-</u></b>
2021229232	2022200184	<b><u>E04G 11 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F16D 3 /-</u></b>	2022201054

Applications Accepted - IPC Index cont'd

<b>F24T 50 /-</b>	<b>G01N 29 /-</b>	2021247535 2022368365	2020384653	2022263591	<b>H01R 13 /-</b>
2020424425	2019201187	<b>G05D 109 /-</b>	<b>G06N 20 /-</b>	<b>G16B 50 /-</b>	2021216844
<b>F25B 1 /-</b>	<b>G01N 33 /-</b>	2021247535	2022201454	2022263591	<b>H01R 24 /-</b>
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<b>F27B 7 /-</b>	<b>G01N 35 /-</b>	2022268374	<b>G06Q 10 /-</b>	2019253361 2022268374	<b>H02B 1 /-</b>
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<b>F41A 5 /-</b>	<b>G01S 11 /-</b>	2022200420 2022203232 2022287632	<b>G06T 1 /-</b>	2022218461	<b>H02G 5 /-</b>
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<b>F41C 27 /-</b>	<b>G01S 13 /-</b>	2019223980 2019255300 2019340705 2022202175 2022203232 2022204797	<b>G06T 5 /-</b>	2019346838	<b>H02G 9 /-</b>
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2017378996 2022200834	2019208139 2020410906	<b>G06F 3 /-</b>	2019333044 2019346838 2020329106 2022417274	<b>H01L 31 /-</b>	2020424425
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<b>F42D 1 /-</b>	<b>G02B 13 /-</b>	2019208552	<b>G06T 9 /-</b>	2021275060	<b>H02J 50 /-</b>
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<b>G01B 11 /-</b>	<b>G02B 6 /-</b>	2021286579	<b>G07C 5 /-</b>	2019265165 2019451585	<b>H02J 7 /-</b>
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<b>G01L 1 /-</b>	2018298006	2022287632	<b>G08G 1 /-</b>	<b>H01Q 15 /-</b>	<b>H02M 7 /-</b>
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<b>G01M 15 /-</b>	2022200676	<b>G06K 19 /-</b>	<b>G09C 1 /-</b>	<b>H01Q 19 /-</b>	<b>H02N 2 /-</b>
2020333471	<b>G05B 19 /-</b>	2022201714	2020472678	2020401124	2021440425
<b>G01M 3 /-</b>	2019346838	<b>G06K 7 /-</b>	<b>G11B 27 /-</b>	<b>H01Q 9 /-</b>	<b>H02S 20 /-</b>
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<b>G01N 17 /-</b>	2018369875 2019202757	<b>G06N 10 /-</b>	<b>G16B 30 /-</b>	<b>H01R 12 /-</b>	<b>H02S 40 /-</b>
2021336062				2018307011	

Applications Accepted - IPC Index cont'd

2022201454	<b><u>H04W 24</u> /-</b>
<b><u>H02S 50</u> /-</b>	2018436592
2019433018	<b><u>H04W 28</u> /-</b>
<b><u>H04B 11</u> /-</b>	2019273331
2021350240	<b><u>H04W 4</u> /-</b>
<b><u>H04B 13</u> /-</b>	2020459846
2021350240	2021336062
	<b><u>H04W 52</u> /-</b>
<b><u>H04L 1</u> /-</b>	2019211145
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	2021269425
<b><u>H04L 12</u> /-</b>	<b><u>H04W 60</u> /-</b>
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2021332587	
<b><u>H04L 45</u> /-</b>	<b><u>H04W 72</u> /-</b>
2021332587	2019242360
	2019440085
<b><u>H04L 5</u> /-</b>	2021262264
2019221649	2023202570
<b><u>H04L 69</u> /-</b>	<b><u>H04W 8</u> /-</b>
2023203520	2022291604
<b><u>H04L 9</u> /-</b>	<b><u>H05B 47</u> /-</b>
2019255300	2020409316
2022241492	<b><u>H05B 6</u> /-</b>
<b><u>H04N 19</u> /-</b>	2022200184
2020352589	<b><u>H05K 5</u> /-</b>
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2023200251	
2023201428	<b><u>H10N 60</u> /-</b>
2023201829	
2023202927	2020384653
2023203020	<b><u>H10N 69</u> /-</b>
<b><u>H04N 21</u> /-</b>	2020384653
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<b><u>H04N 5</u> /-</b>	
2019333044	
<b><u>H04Q 11</u> /-</b>	
2020371761	
<b><u>H04Q 9</u> /-</b>	
2021311159	
<b><u>H04R 1</u> /-</b>	
2021289548	
<b><u>H04W 12</u> /-</b>	
2019472977	



**Certified Innovation Patents****Name Index**

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

- 
- (71) D.I.T Technologies Ltd  
(11) AU-B-2023100049  
(21) 2023100049 (22) 01.06.2023  
(54) Dosing system for dosing urea phosphate and/or a methane reducer  
(51) Int. Cl.  
A01K 7/02 ( 2006.01 )  
A61D 7/00 ( 2006.01 )  
G05B 19/00 ( 2006.01 )  
(45) 08.02.2024  
(62) 2019370617,2021105299,2022100179,PCT/  
AU2022/050369  
(72) PEART, Mark Rawlinson; FEEZ,  
Thomas Robinson; MCCOLLUM, Vivienne  
(74) Spruson & Ferguson

**Numerical Index**

**2023100049** D.I.T Technologies Ltd

IPC Index

A01K 7 /-

2023100049

A61D 7 /-

2023100049

G05B 19 /-

2023100049

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Withdrawn - Proceed to Grant**

2022228148 **STEPHEN, C.** ( Readable English, LLC )

**Patents Granted**

**Standard Patents**

2016348418	2016359076	2016365724	2016383713
2017201185	2017203727	2017223293	2017233923
2017234985	2017235923	2017240721	2017252343
2017266738	2017270579	2017279806	2017313844
2017322804	2017326354	2017326743	2017345577
2017350800	2017356785	2017360168	2017361114
2017388204	2017388638	2017391172	2017392273
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2018229746	2018230445	2018233157	2018236205
2018236343	2018251886	2018251888	2018253926
2018255518	2018255926	2018259152	2018263370
2018263783	2018273988	2018277057	2018278249
2018280854	2018282264	2018283983	2018287131
2018293755	2018294519	2018296676	2018297637
2018298575	2018300733	2018302359	2018302519
2018303353	2018303667	2018307196	2018307483
2018309057	2018310053	2018310713	2018311059
2018311298	2018313696	2018315750	2018326292
2018327339	2018332608	2018335601	2018337035
2018341592	2018342767	2018360824	2018368796
2018369757	2018392616	2019200498	2019201441
2019204147	2019209166	2019211032	2019214188
2019222723	2019224471	2019229097	2019261532
2019262121	2019262599	2019265606	2019271799
2019275308	2019283310	2019287669	2019296320
2019325112	2019330774	2019336133	2019398123
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2020212005	2020218330	2020224963	2020247645
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2021245212	2021245239	2021247137	2021249298
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2021266317	2021267538	2021273580	2021273659
2021277671	2021284970	2021288503	2021290997
2021292816	2021302026	2021304552	2021322475
2021354279	2021370623	2021376160	2021390060
2021416462	2021435297	2022200278	2022200325
2022200340	2022200461	2022200672	2022200722
2022200881	2022200955	2022201043	2022201262
2022201389	2022201614	2022201645	2022201728
2022201840	2022201957	2022202406	2022203029
2022203060	2022203438	2022203684	2022203691
2022203957	2022204597	2022204833	2022209222
2022221509	2022228148	2022232395	2022235534
2022235630	2022247476	2022304524	2022323641

**Patents Granted**

**Standard Patents**

2023202756 2023214366 2023229523

**Innovation Patents**

2021107689 2024100000 2024100001

**Assignments Registered**

2005261908 Heartsine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2005286109 Heartsine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2006239239 TerraRoc Finland Oy The patent has been assigned to **TerraRoc Finland Oy**

2007250216 Heartsine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2007331664 HEARTSINE TECHNOLOGIES LIMITED The patent has been assigned to **Stryker European Operations Limited**

2008313118 Kabushiki Kaisha Kobe Seiko Sho; Tsukishima Kikai Co., Ltd. The patent has been assigned to **Kabushiki Kaisha Kobe Seiko Sho; TSUKISHIMA KIKAI CO.,LTD.**

2009221154 HEARTSINE TECHNOLOGIES LIMITED The patent has been assigned to **Stryker European Operations Limited**

2009289054 Mantock, Paul The patent has been assigned to **Ener-technos Limited**

2010243567 HEARTSINE TECHNOLOGIES LIMITED The patent has been assigned to **Stryker European Operations Limited**

2010267185 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2010322517 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2011335129 Heartsine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2011339856 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2012202875 HeartSine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2012206186 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2012215968 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2012216631 HeartSine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2012256462 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2012278893 ShawCor Ltd. The patent has been assigned to **2543500 Alberta Ltd d.b.a. Shaw Pipe Protection**

2012306723 ThyssenKrupp Industrial Solutions GmbH The patent has been assigned to **ThyssenKrupp Industrial Solutions GmbH; thyssenkrupp Uhde GmbH**

2013232405 Cook Medical Technologies LLC The patent has been assigned to **CooperSurgical, Inc.**

**Assignments Registered**

2013281946 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2013281947 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2014200727 HeartSine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2015201422 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015202011 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015203503 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015209565 Cook Medical Technologies LLC The patent has been assigned to **CooperSurgical, Inc.**

2015218460 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015218463 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015218465 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2015222865 Nimbus Lakshmi, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2015238775 Cook Medical Technologies LLC The patent has been assigned to **CooperSurgical, Inc.**

2016200566 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2016201357 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2016269467 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2016365524 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2017201515 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2017204143 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2017223845 Nanosys, Inc. The patent has been assigned to **Shoei Chemical Inc.**

2017267735 Nanosys, Inc. The patent has been assigned to **Shoei Chemical Inc.**

2017278340 Nanosys, Inc. The patent has been assigned to **Shoei Chemical Inc.**

2017311925 PDRadiopharma Inc. The patent has been assigned to **Perseus Proteomics Inc.**

2017342464 Nimbus Lakshmi, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2017345736 Nimbus Lakshmi, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

**Assignments Registered**

2017350734 Nanosys, Inc. The patent has been assigned to **Shoei Chemical Inc.**

2017430634 Wenzhou Sunrise Industrial and Trading Co., Ltd. The patent has been assigned to **Matt Optical Co., Ltd**

2018201321 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2018203705 HeartSine Technologies Limited The patent has been assigned to **Stryker European Operations Limited**

2018206825 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2018230737 Nimbus Lakshmi, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2018288595 Cook Medical Technologies LLC The patent has been assigned to **CooperSurgical, Inc.**

2018297889 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2018306444 Nimbus Lakshmi, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2018375044 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2018379077 Amplyx Pharmaceuticals, Inc. The patent has been assigned to **Basilea Pharmaceutica International AG, Allschwil**

2019210569 Velos Media International Limited The patent has been assigned to **SONY GROUP CORPORATION**

2019243133 Protech Co., Ltd. The patent has been assigned to **Seoul National University R&DB Foundation**

2019251515 Rux Energy Pty Ltd The patent has been assigned to **Rux Technology Pty Ltd**

2019260339 Smart Installations AS The patent has been assigned to **Control Cutter AS**

2020214518 Shanghai Fosun Pharmaceutical Industrial Development Co., Ltd. The patent has been assigned to **NovaOnco JS Therapeutics Co., Ltd.**

**Corrigenda**

In Vol 35 , No 40 , Page(s) 7904 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Nanjing Transthera Biosciences Co., Ltd., Application No. 2020235187, under INID (71) correct the applicant name to TransThera Sciences (Nanjing), Inc.

In Vol 57 , No 35 , Page(s) 5138 under the heading **Applications Accepted - Name Index** Under the name Nanjing Transthera Biosciences Co., Ltd., Application No. 2020235187, under INID (71) correct the applicant name to TransThera Sciences (Nanjing), Inc.

**Specifications Republished**

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

2020469301 **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**

2020469631 **HIBOCARE TECHNOLOGIES SOUTH AFRICA (PTY) LTD**

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2020471661 PESTSENSE HOLDINGS PTY LIMITED  
 2020471750 VIASAT, INC.  
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 2020474861 HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.  
 2020474984 FCT HOLDINGS PTY LTD  
 2020475443 UCB BIOPHARMA SRL  
 2020475461 Utopia Music AG  
 2020476710 LOCKUS, LLC  
 2020477103 NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY; MOCHIDA PHARMACEUTICAL CO., LTD.  
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 2021331691 ARTEC EUROPE S.À R.L.  
 2021333082 ITRONICS LIMITED  
 2021333580 CURTANA PHARMACEUTICALS, INC.  
 2021333586 METAGENOMI, INC.  
 2021334324 ARCHER DANIELS MIDLAND COMPANY  
 2021334361 BRISTOL-MYERS SQUIBB COMPANY  
 2021335101 SENSE BIODETECTION LIMITED  
 2021335401 ACLARIS WATER INNOVATIONS GMBH , LINDAU , ZWEIGNIEDERLASSUNG REBSTEIN  
 2021335415 ACLARIS WATER INNOVATIONS GMBH , LINDAU , ZWEIGNIEDERLASSUNG REBSTEIN  
 2021335914 SPARKPARK AS  
 2021336124 BLOOMX LTD.  
 2021336216 PHOTON VAULT, LLC  
 2021336383 XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.  
 2021336460 LG ELECTRONICS INC.  
 2021336557 Annoviant, LLC  
 2021336746 MEMORY BOX UK LIMITED  
 2021337109 SUMITOMO PHARMA CO., LTD.  
 2021338506 AHMED, M.  
 2021338673 OSCILLOSCOPE, LLC  
 2021339002 UNIVERSITEIT ANTWERPEN; UNIVERSITAIR ZIEK-ENHUIS ANTWERPEN  
 2021339037 AERO TRUCK LIMITED  
 2021339330 BOOMGROW PRODUCTIONS SDN BHD  
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2021339892 REGENERON PHARMACEUTICALS, INC.  
 2021340270 NEOFF MEDICAL PTY LTD  
 2021340626 REGENERON PHARMACEUTICALS, INC.  
 2021340698 HOLE OPENER CORPORATION INTERNATIONAL  
 2021342161 CALICO LIFE SCIENCES LLC; ABBVIE INC.  
 2021342670 PAUL WURTH S.A.  
 2021343023 CANON KABUSHIKI KAISHA  
 2021343267 ESSILOR INTERNATIONAL  
 2021343642 HEXR LTD  
 2021344336 GREENBERG, J.  
 2021344471 GUANGDONG BRIGHT DREAM ROBOTICS CO., LTD.  
 2021344635 ICHNOS SCIENCES SA  
 2021344976 AGENSYS, INC.; SEAGEN INC.  
 2021345171 TAIHO PHARMACEUTICAL CO., LTD.  
 2021345195 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 2021345205 CERES GREENHOUSE SOLUTIONS LLC  
 2021345220 PROSCIA INC.  
 2021345360 QUANTUM-SI INCORPORATED  
 2021345361 TRACKONOMY SYSTEMS, INC.  
 2021345373 GAIA PROJECT AUSTRALIA PTY LTD  
 2021345503 FPS FOOD PROCESS SOLUTIONS CORP.  
 2021346093 NYGEN ANALYTICS AB  
 2021346236 SULFATEQ B.V.  
 2021346654 UHO PTE LTD  
 2021346763 Schenck Process Australia Pty Limited  
 2021346843 JANSSEN PHARMACEUTICA NV  
 2021346954 AUCKLAND UNISERVICES LIMITED  
 2021347153 CAREFUSION 303, INC.  
 2021347360 ESCIENT PHARMACEUTICALS, INC.  
 2021347445 VBG GROUP AB (publ)  
 2021347597 KOZOR UGANDER CAPITAL PTY LIMITED  
 2021347760 NICOVENTURES TRADING LIMITED; RAI STRATEGIC HOLDINGS, INC.  
 2021348220 PROLECTRIC SERVICES LTD  
 2021348226 ABLEVIA BIOTECH GMBH  
 2021348237 BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA  
 2021348337 INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT  
 2021348500 CCTEG BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD.; BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO., LTD.  
 2021349204 BARNET PRODUCTS, LLC  
 2021349216 Valmont Industries, Inc.  
 2021349217 DOORDASH, INC.  
 2021349277 RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL  
 2021349285 Slate Dental, Inc.  
 2021349352 UK PODS LIMITED  
 2021349425 VALACO LTD; SPORTSCIENTIA PTE. LTD.  
 2021349855 CATERPILLAR INC.  
 2021349937 UNIVERSITY OF CINCINNATI  
 2021349962 SHOCKWATER SYSTEMS, LLC  
 2021350098 WESTROCK PACKAGING SYSTEMS, LLC  
 2021350156 ABLYNX NV; SANOFI  
 2021350161 JANSSEN PHARMACEUTICA NV  
 2021350172 JADE BIRD DISPLAY (SHANGHAI) LIMITED  
 2021350182 TAE TECHNOLOGIES, INC.  
 2021350194 BARKEN, I.  
 2021351504 REVEN PHARMACEUTICALS INC.  
 2021351517 ENTOS PHARMACEUTICALS INC.  
 2021351558 THIESSEN, J.  
 2021351815 INSTITUTE OF MICROBIOLOGY, CHINESE ACADEMY OF SCIENCES  
 2021351818 SHENZHEN PHARMACIN CO., LTD.  
 2021352136 AW-ENERGY OY  
 2021352420 REGENERON PHARMACEUTICALS, INC.

**Specifications Republished**

2021352445 HUMAN CENTRED INNOVATIONS PTY LTD  
 2021352662 LALANI, O.  
 2021352697 DAIKIN INDUSTRIES, LTD.  
 2021353035 UNIVERSITÉ DE STRASBOURG; HÔPITAUX UNIVERSITAIRES DE STRASBOURG (HUS)  
 2021353073 SANGAMO THERAPEUTICS, INC.  
 2021353099 WAVE NEUROSCIENCE, INC.  
 2021353150 DAIKIN INDUSTRIES, LTD.  
 2021353514 OWENS-BROCKWAY GLASS CONTAINER INC.  
 2021353563 THE UNIVERSITY OF NOTTINGHAM  
 2021353938 CUMMINS POWER GENERATION INC.  
 2021353942 ECOPWRS LLC  
 2021354164 LONGYEAR TM, INC.  
 2021354361 MITSUBISHI KAKOKI KAISHA, LTD.  
 2021354578 DAIKIN INDUSTRIES, LTD.  
 2021354720 LINDE GMBH; BUTTING CRYO TECH GMBH  
 2021354909 DOMETIC SWEDEN AB  
 2021354917 ONCOONE RESEARCH & DEVELOPMENT GMBH  
 2021354977 NAIR, H.K.  
 2021355306 DOTTEREL TECHNOLOGIES LIMITED  
 2021355497 DICKINSON CORPORATION  
 2021355509 BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
 2021355516 JOY GLOBAL UNDERGROUND MINING LLC  
 2021355518 ELI LILLY AND COMPANY  
 2021356237 KING'S COLLEGE LONDON  
 2021356295 GIRGIS INNOVATIONS PTY LTD  
 2021356364 SUMITOMO ELECTRIC INDUSTRIES, LTD.  
 2021356554 TERRADEPTH, INC.  
 2021356610 SYNTHORX, INC.  
 2021356643 WISCONSIN ALUMNI RESEARCH FOUNDATION  
 2021356706 APPLIED MEDICAL RESOURCES CORPORATION  
 2021356875 SHUJING BIOPHARMA CO., LTD; JIANGSU NHWA PHARMACEUTICAL CO., LTD  
 2021357076 BECTON, DICKINSON AND COMPANY  
 2021357118 KONINKLIJKE PHILIPS N.V.  
 2021357170 ANGELCARE CANADA INC.  
 2021357178 SOILMEC SPA  
 2021357353 HAULOTTE GROUP  
 2021357407 HENAN YUEXIN INTELLIGENT MACHINERY CO., LTD.  
 2021357703 SPYGLASS PHARMA, INC.; THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE  
 2021357745 STM TECHNOLOGIES S.R.L.  
 2021357843 DUPONT NUTRITION BIOSCIENCES APS  
 2021357872 LIGHTCAST DISCOVERY LTD  
 2021358056 DANA-FARBER CANCER INSTITUTE, INC.  
 2021358099 AQUASYS LLC  
 2021358146 FIBRACAST LTD.  
 2021358453 RABHI, V.  
 2021358546 REGENXBIO INC.  
 2021358584 LUCON ENGINEERING, INC.; LUCON, P.A.  
 2021358680 GOOGLE LLC  
 2021358709 CROWN EQUIPMENT CORPORATION  
 2021358745 CYTODIGM, INC.  
 2021358749 PLAINSIGHT CORP.  
 2021358756 CONOCOPHILLIPS COMPANY  
 2021358781 REGENXBIO INC.  
 2021358946 MERCK SHARP & DOHME LLC  
 2021358957 ASKLEPIOS BIOPHARMACEUTICAL, INC.; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
 2021358977 ATHENEX, INC.  
 2021359124 NICOVENTURES TRADING LIMITED  
 2021359225 RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED  
 2021359680 NUNHEMS B.V.  
 2021359874 THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  
 2021359895 ELI LILLY AND COMPANY  
 2021359962 HITACHI, LTD.

**Specifications Republished**

2021360126 TANGOLD INC.  
 2021360266 UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED  
 2021360336 GOOGLE LLC  
 2021360406 THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
 2021360489 FAST IP, LLC  
 2021360501 VANDERBILT UNIVERSITY  
 2021360585 MPEG LA, L.L.C.  
 2021360596 C4 THERAPEUTICS, INC.  
 2021360610 RANOK THERAPEUTICS (HANGZHOU) CO. LTD.  
 2021360713 CATERPILLAR INC.  
 2021360767 ENDEAVOR BIOMEDICINES, INC.  
 2021360828 DERMBIONT, INC.  
 2021360901 UNIVERSITY OF DELAWARE  
 2021361004 SCOUT SPACE INC.  
 2021361349 PULSEMEDICA CORP.  
 2021361637 SUMITOMO METAL MINING CO., LTD.  
 2021361997 MIRALOGX LLC  
 2021362156 BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM  
 2021362169 THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
 2021362238 PIONEER HI-BRED INTERNATIONAL, INC.  
 2021362291 TESNOLOGY INC.  
 2021362638 JEON, J.E.  
 2021362814 LIMINAL GROUP PTY LTD  
 2021362826 VAST SOLAR PTY LTD  
 2021363613 INTERVET INTERNATIONAL B.V.  
 2021363640 TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 2021363702 AZURA OPHTHALMICS LTD.  
 2021363921 THE RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY  
 2021364194 LRS SCIENCE AND TECHNOLOGY, LLC  
 2021364215 ZAZZLE INC.  
 2021364369 NEUROGLEE SCIENCE PTE. LTD.  
 2021364407 GI SCIENTIFIC, LLC  
 2021364416 AIGEN INC.  
 2021364759 TWELVE BENEFIT CORPORATION  
 2021364799 PASCHALL, D.K.  
 2021364815 SHELTERED WINGS, INC. D/B/A VORTEX OPTICS  
 2021365063 CONSTRUCTION RESEARCH & TECHNOLOGY GMBH  
 2021365128 NIMMUNE BIOPHARMA, INC.  
 2021365138 PAXMEDICA, INC.  
 2021365142 IMMUNE-ONC THERAPEUTICS, INC.  
 2021365321 FIMBINGER, J.  
 2021365530 AZURA OPHTHALMICS LTD.  
 2021365599 KONTORVEIEN 1 AS  
 2021365764 THE PROCTER & GAMBLE COMPANY  
 2021365793 LRS SCIENCE AND TECHNOLOGY, LLC  
 2021365816 BARUCH S. BLUMBERG INSTITUTE  
 2021365910 FUJIKURA LTD.  
 2021366259 RESPIRI LIMITED  
 2021366423 PFIZER INC.  
 2021366447 BAMBINO PREZIOSO SWITZERLAND AG  
 2021366659 SCOUT BIO, INC.  
 2021366666 PAXMEDICA, INC.  
 2021366958 COSMETIC EDGE PTY LTD  
 2021366959 ZEOTECH LIMITED  
 2021367047 SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 2021367200 RENSON SUNPROTECTION-SCREENS  
 2021368232 GRAFA PTY LTD  
 2021368245 SPIDERWORT INC.  
 2021368436 NIPPON STEEL CORPORATION  
 2021368501 MAYBORN (UK) LIMITED  
 2021368571 LONGYEAR TM, INC.  
 2021368622 1CBIO, INC.  
 2021368635 Kashiv Biosciences, LLC

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2021368641 DENNIS A. DOMINGOS FAMILY TRUST  
 2021368756 ARBOR BIOTECHNOLOGIES, INC.  
 2021368773 ARIZONA BOARD OF REGENTS ON BEHALF OF NORTHERN ARIZONA UNIVERSITY  
 2021369317 CATERPILLAR INC.  
 2021369322 WEATHERFORD TECHNOLOGY HOLDINGS, LLC  
 2021369328 LINDSAY CORPORATION  
 2021369471 SCHOLAR ROCK, INC.  
 2021369476 SHORELINE BIOSCIENCES, INC.  
 2021369747 CHILDREN'S HOSPITAL MEDICAL CENTER  
 2021369792 BELKIN VISION LTD.  
 2021370473 BECTON, DICKINSON AND COMPANY  
 2021370745 SOCIETE DES PRODUITS NESTLE S.A.  
 2021370921 PRIMETALS TECHNOLOGIES AUSTRIA GMBH  
 2021370972 TRUVALUE LABS, INC.  
 2021370993 TECHNISCHE UNIVERSITÄT DRESDEN  
 2021371039 REGENERON PHARMACEUTICALS, INC.  
 2021371115 ROBERT EITELHUBER, G.  
 2021371164 COMPOSECURE, LLC  
 2021371437 WEBSTER, D.J.  
 2021371519 NIPPON STEEL CORPORATION  
 2021371594 ENEOS CORPORATION  
 2021371709 FUDAN UNIVERSITY; BIOTROY THERAPEUTICS  
 2021372389 SAINT LOUIS UNIVERISTY; PELAGOS PHARMACEUTICALS, INC.  
 2021372550 CAREY TASCA PTY LTD  
 2021372557 ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY  
 2021372658 MEDIAKOS GMBH  
 2021372704 IMMVIRA CO., LIMITED  
 2021372725 MERCK PATENT GMBH  
 2021372783 BYD COMPANY LIMITED  
 2021372802 GENFIT  
 2021373128 CHINA MOBILE (SUZHOU) SOFTWARE TECHNOLOGY CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.  
 2021373487 POWER TRIANGLE PTY LTD  
 2021373552 POWER MANAGEMENT HOLDINGS (U.S.), INC.  
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 2021374796 THE AKKERMANSIA COMPANY  
 2021374806 SCHOTT AG; SCHOTT PRIMOCCELER OY  
 2021374828 MINCON INTERNATIONAL LIMITED  
 2021374832 COAVE THERAPEUTICS  
 2021374839 AMGEN INC.; AMGEN RESEARCH (MUNICH) GMBH  
 2021374871 XEROS LIMITED  
 2021374934 VICTAULIC COMPANY  
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 2021375756 OX MOUNTAIN LIMITED  
 2021376196 GRAPHIC PACKAGING INTERNATIONAL, LLC  
 2021376197 GRAPHIC PACKAGING INTERNATIONAL, LLC  
 2021376273 COLGATE-PALMOLIVE COMPANY  
 2021376310 RUCKER CAPITAL ADVISORS  
 2021376339 Quaise Energy, Inc.  
 2021376361 HUNTSMAN PETROCHEMICAL LLC  
 2021376382 FATE THERAPEUTICS, INC.  
 2021376394 THE UNIVERSITY OF CHICAGO  
 2021376883 DRUG DISCOVERY AND CLINIC S.R.L.

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2021376893 BIONTECH SE  
 2021377060 WARPSPACE, INC.  
 2021377285 GIFTED BILL ENTERPRISES, LLC  
 2021377463 SCAN COIN AB  
 2021377524 INNER MONGOLIA YILI INDUSTRIAL GROUP CO., LTD.; INNER MONGOLIA DAIRY TECH RES INSTITUTE CO LTD  
 2021377895 MODERNATX, INC.  
 2021377912 CARGILL, INCORPORATED  
 2021378314 MARS, INCORPORATED  
 2021378518 SIFI S.P.A.  
 2021379097 HEMOTEQ AG  
 2021379127 SICA S.P.A.  
 2021379585 LINDSAY CORPORATION  
 2021379667 FORM ENERGY, INC.  
 2021379672 IDS TECHNOLOGY LLC  
 2021379686 BAKER HUGHES OILFIELD OPERATIONS LLC  
 2021379834 USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR V.V.I.  
 2021379927 EQUIFAX INC.  
 2021379965 INVENTIO AG  
 2021380078 ALCON INC.  
 2021380681 VERSAPEUTICS INC.  
 2021380715 AUBURN UNIVERSITY; MERCER UNIVERSITY  
 2021380724 HILL'S PET NUTRITION, INC.  
 2021380725 ELANCO US INC.  
 2021380809 ALNYLAM PHARMACEUTICALS, INC.  
 2021380885 KONINKLIJKE PHILIPS N.V.  
 2021381074 KNAUF GIPS KG  
 2021381305 FAST IP, LLC  
 2021381423 MEI PHARMA, INC.  
 2021381469 REGOR PHARMACEUTICALS, INC.  
 2021381503 CAPITAL ONE SERVICES, LLC  
 2021381638 SICHUAN KELUN PHARMACEUTICAL RESEARCH INSTITUTE CO., LTD.  
 2021381692 HYLER BV  
 2021381889 VEIR, INC.  
 2021381928 BECTON, DICKINSON AND COMPANY  
 2021382003 VOYAGER BIOMEDICAL, INC.  
 2021382116 INSECTUM APS  
 2021382360 2692372 ONTARIO, INC.; DUNAD THERAPEUTICS LTD.  
 2021382439 NATIONAL INSTITUTE OF PLANT GENOME RESEARCH  
 2021382621 UNIVERSITY OF MASSACHUSETTS  
 2021382654 UMOJA BIOPHARMA, INC.  
 2021382672 CATERPILLAR INC.  
 2021382808 ECOLAB USA INC.  
 2021383065 POLYBEE PTE. LTD.  
 2021383424 TAKEDA PHARMACEUTICAL COMPANY LIMITED  
 2021383599 HOFSETH BIOCARE ASA  
 2021383819 INDUCTOTHERM CORP.  
 2021383848 PULSE BIOSCIENCES, INC.  
 2021383928 RELAY THERAPEUTICS, INC.  
 2021383940 EQUIFAX INC.  
 2021384132 TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 2021384651 SCHAEFFLER TECHNOLOGIES AG & CO. KG  
 2021384866 GP TECNIC SL  
 2021385049 THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES; THE UNIVERSITY OF QUEENSLAND  
 2021385117 JOCKEY INTERNATIONAL, INC.  
 2021385285 RENEOPHARMACEUTICALS, INC.  
 2021385389 FUTURE MEDICINE CO., LTD.  
 2021385430 RONDO ENERGY, INC.  
 2021385552 INSULET CORPORATION  
 2021385890 REMONI A/S  
 2021385937 MW PHARMA IP LIMITED  
 2021386252 PURDUE RESEARCH FOUNDATION



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2021386281 INDEX PHARMACEUTICALS AB  
 2021386294 Pelviray IP Ltd  
 2021386367 NOVARTIS AG; LES LABORATOIRES SERVIER  
 2021386370 LYELL IMMUNOPHARMA, INC.  
 2021386376 MOREAU, D.  
 2021386481 PAWLUSKI, V.E.  
 2021386487 PATRIA LAND OY  
 2021386547 ELECTROLUX APPLIANCES AKTIEBOLAG  
 2021386876 FORM 700 PTY LTD  
 2021387727 BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA  
 2021387739 INTRINSIC MEDICINE, INC.  
 2021387867 KRAFT FOODS SCHWEIZ HOLDING GMBH  
 2021387902 ECOLAB USA INC.  
 2021387981 BAND THERAPEUTICS, LLC  
 2021387991 MEYER INTELLECTUAL PROPERTIES LIMITED; CHENG, S.K.S.  
 2021387993 VANDA PHARMACEUTICALS INC.  
 2021388088 BRODA, K.; COTE, K.; SAUER, V.; LISSINNA, C.; ROBSON, C.  
 2021388167 GENIEUS BIOTECHNOLOGY, INC.  
 2021388459 AROA BIOSURGERY LIMITED  
 2021388638 SABERT (ZHONGSHAN) LIMITED  
 2021388787 BOREALIS AG  
 2021388793 SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 2021388912 TFI MARINE LIMITED  
 2021388923 CHIESI FARMACEUTICI S.P.A.  
 2021389685 RISEN (SUZHOU) PHARMA TECH CO., LTD.  
 2021390034 UNIVERSITY OF SOUTHAMPTON  
 2021390123 KEYMED BIOSCIENCES CO.,LTD  
 2021390182 BIONEXA S.R.L.  
 2021390203 ENI S.P.A.  
 2021390315 ENEOS CORPORATION  
 2021390480 THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  
 2021390490 U.S. BORAX INC.  
 2021390530 CROWN EQUIPMENT CORPORATION  
 2021390561 GENNAO BIO, INC.; YALE UNIVERSITY; QUIJANO, E.; GLAZER, P.; TURNER, B.; SQUINTO, S.  
 2021390694 S-FORM PHARMA  
 2021390781 SANDVIK MINING AND CONSTRUCTION OY  
 2021390923 COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
 2021391477 SYNGENTA CROP PROTECTION AG  
 2021391718 CARGILL, INCORPORATED  
 2021391924 VISTERRA, INC.; THE GENERAL HOSPITAL CORPORATION  
 2021392040 IKENA ONCOLOGY, INC.  
 2021392797 ELECTROLUX APPLIANCES AKTIEBOLAG  
 2021392820 WORK AIR TECHNOLOGIES PTY LTD  
 2021392831 SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 2021392993 NOVAI LTD  
 2021393217 SUMITOMO CHEMICAL COMPANY, LIMITED  
 2021393372 PETRÓLEO BRASILEIRO S.A. - PETROBRAS  
 2021393445 ICU MEDICAL, INC.  
 2021393590 AMGEN INC.  
 2021393770 EISBACH BIO GMBH  
 2021393812 GENOMICS PLC  
 2021393818 OXFORD UNIVERSITY INNOVATION LIMITED  
 2021393892 KONINKLIJKE DOUWE EGBERTS B.V.  
 2021393922 F. HOFFMANN-LA ROCHE AG  
 2021394134 GLOBAL HYDROGEN VENTURES PTY LTD  
 2021394511 INVENTIO AG  
 2021394867 STEMLINE THERAPEUTICS, INC.  
 2021394999 QUANTUM-SI INCORPORATED  
 2021395353 ASTRAZENECA AB; MITSUBISHI TANABE PHARMA CORPORATION  
 2021395683 INTERNATIONAL BUSINESS MACHINES CORPORATION  
 2021395712 THE UNIVERSITY OF BRITISH COLUMBIA

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2021396147 ICU MEDICAL, INC.  
 2021396150 SPACECRAFT SEVEN, LLC  
 2021396231 INCYTE CORPORATION  
 2021396245 ELC MANAGEMENT LLC  
 2021396276 HASKONINGDHV NEDERLAND B.V.  
 2021396332 PURDUE RESEARCH FOUNDATION  
 2021396575 GETINGE LIFE SCIENCE FRANCE  
 2021396734 PQ SILICAS UK LIMITED  
 2021396871 ONEPASS MEDICAL LTD.  
 2021397138 NEURONANO AB  
 2021397402 ADORX THERAPEUTICS LIMITED  
 2021397774 ADGERO BIOPHARMACEUTICALS HOLDINGS, INC.  
 2021397878 NICOVENTURES TRADING LIMITED  
 2021397949 CROSSING S.R.L.  
 2021398258 SCHOOL JURIDICAL PERSON HIGASHI-NIP-PON-GAKUEN; THE UNIVERSITY OF TOKYO; NIP-PON CHEMIPHAR CO., LTD.  
 2021398261 SAISEI PHARMA CO., LTD.  
 2021398486 BAYER AKTIENGESSELLSCHAFT  
 2021398544 ASTRAZENECA UK LIMITED  
 2021398595 FPS FOOD PROCESS SOLUTIONS CORP.  
 2021398871 IMUNOPHARM TECHNOLOGY CO., LTD.; SHAN-DONG JINSAI CO., LTD.  
 2021399016 OCADO INNOVATION LIMITED  
 2021399075 ENAPTER S.R.L.  
 2021399169 COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
 2021399186 FLYING WHALES  
 2021399229 ALCON INC.  
 2021399652 ALLNEX BELGIUM, S.A.  
 2021399749 SIEMENS HEALTHINEERS NEDERLAND B.V.  
 2021399798 MEDELA HOLDING AG  
 2021399841 F. HOFFMANN-LA ROCHE AG  
 2021400130 ALCON INC.  
 2021400841 PROTEAS BIOANALYTICS, INC.  
 2021400844 ADVANCED LIGHT DEVICES, LLC  
 2021400851 UNIVERSITEIT UTRECHT HOLDING B.V.  
 2021400950 CARIS MPI, INC.  
 2021401069 STRONG FORCE TX PORTFOLIO 2018, LLC  
 2021401165 MAREL RED MEAT B.V.  
 2021401553 CATERPILLAR INC.  
 2021401727 MARS, INCORPORATED  
 2021401770 RESELO AB  
 2021401849 SCHUMACHER ELECTRIC CORPORATION  
 2021401882 CATERPILLAR INC.  
 2021401959 MONOSOL, LLC  
 2021402001 XEFCO PTY LTD  
 2021402110 INTERNATIONAL BUSINESS MACHINES CORPORATION  
 2021402145 SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 2021402183 TAKEDA PHARMACEUTICAL COMPANY LIMITED  
 2021402827 PRESIDENT AND FELLOWS OF HARVARD COLLEGE  
 2021402885 ANGEL GROUP CO., LTD.  
 2021402944 THE JACKSON LABORATORY  
 2021403126 GREENFOX MARINE AS  
 2021403394 IFP ENERGIES NOUVELLES  
 2021403441 E. HAWLE ARMATURENWERKE GMBH  
 2021403579 SANIFIT THERAPEUTICS, S.A.  
 2021403807 ALCON INC.  
 2021403841 STAYBLE THERAPEUTICS AB  
 2021403893 TECHNOLOGICAL RESOURCES PTY. LIMITED  
 2021404285 ELECTROLUX APPLIANCES AKTIEBOLAG  
 2021404355 DE' LONGHI APPLIANCES S.R.L. CON UNICO SO-CIO  
 2021404413 Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd  
 2021404895 INTERVET INTERNATIONAL B.V.  
 2021404926 PFIZER INC.  
 2021404946 PFIZER INC.

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 2021404992 NPZ INNOVATION GMBH  
 2021404994 THALES DIS FRANCE SAS  
 2021405147 SNF GROUP  
 2021405157 FUTURE HEALTH WORKS LTD.  
 2021405164 SIHEALTH PHOTONICS S.R.L.  
 2021405399 POLBIONICA SP. Z O.O.  
 2021405456 LOGOMIX, INC.  
 2021405728 NICOVENTURES TRADING LIMITED  
 2021405735 SNF GROUP  
 2021405784 NV BEKAERT SA; CCL STRESSING INTERNATIONAL LTD  
  
 2021406015 SCHWEERBAU INTERNATIONAL GMBH & CO. KG  
 2021406022 LAGAN CRAWL LIMITED  
 2021406057 ANGLO AMERICAN WOODSMITH LIMITED  
 2021406790 JFE STEEL CORPORATION  
 2021407344 HOLCIM TECHNOLOGY LTD  
 2021407394 BREVILLE PTY LIMITED  
 2021407757 SHENZHEN FANGSHENGTAI MEDICAL TECHNOLOGY CO., LTD.  
  
 2021407827 ABBISKO THERAPEUTICS CO., LTD.  
 2021408119 BOOMRAY PHARMACEUTICALS CO., LTD.  
 2021408141 COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
  
 2021408990 KOREA ATOMIC ENERGY RESEARCH INSTITUTE  
 2021409119 CATERPILLAR INC.  
 2021409178 ENEOS CORPORATION  
 2021409214 SCHLUMBERGER TECHNOLOGY B.V.  
 2021409467 SCHLUMBERGER TECHNOLOGY B.V.  
 2021409544 BIOGEN MA INC.  
 2021409718 ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED  
  
 2021409783 QUALCOMM INCORPORATED  
 2021409806 UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED  
  
 2021409964 DUKE UNIVERSITY  
 2021410074 QUALCOMM INCORPORATED  
 2021410085 UOP LLC  
 2021411494 COMBINATI INCORPORATED  
 2021411498 BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA  
  
 2021411579 ALNYLAM PHARMACEUTICALS, INC.  
 2021411601 UOP LLC  
 2021411943 VERTEX PHARMACEUTICALS INCORPORATED  
 2021411980 ADVANCED NEUROMODULATION SYSTEMS, INC.  
 2021411981 CAGENT VASCULAR, INC.  
 2021412269 GLOBE (JIANGSU) CO., LTD.  
 2021412659 DELOITTE TOUCHE TOHMATSU LLC  
 2021412803 BLUE BUFFALO ENTERPRISES, INC.  
 2021412895 WM. WRIGLEY JR. COMPANY  
 2021412912 QUALCOMM INCORPORATED  
 2021413093 BWXT ISOTOPE TECHNOLOGY GROUP, INC.  
 2021413102 BLUE RIVER TECHNOLOGY INC.  
 2021413207 THE NATIONAL INSTITUTES OF PHARMACEUTICAL R&D CO., LTD  
  
 2021414395 TYCO FIRE PRODUCTS LP  
 2021415127 OCADO INNOVATION LIMITED  
 2021416169 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
  
 2021416859 CONFLUX TECHNOLOGY PTY LTD  
 2021417231 EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY  
  
 2021418225 PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY; TOSOH CORPORATION  
  
 2021418720 RAYTHEON COMPANY  
 2021420681 RAYTHEON COMPANY  
 2021421986 LAITRAM, L.L.C.  
 2021429041 IHI CORPORATION  
 2021431987 INSTITUTE OF CROP SCIENCES, CHINESE ACADEMY OF AGRICULTURAL SCIENCES

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2021432534 MITSUBISHI ELECTRIC CORPORATION; MITSUBISHI ELECTRIC HOME APPLIANCE CO., LTD.  
 2021456934 OAM PHOTONICS LLC  
 2022205037 ADVANCED SURGICAL RETRACTOR SYSTEMS, INC.  
  
 2022205038 ABBOTT DIABETES CARE INC.  
 2022205410 CCB SUBSEA AS  
 2022205427 Ibex Biosciences, Inc.  
 2022205591 ANIMA BIOTECH INC.  
 2022205967 MOSHUN, LLC.  
 2022205969 AMGEN INC.  
 2022206132 SUNTORY HOLDINGS LIMITED  
 2022206411 DUSTOSS LTD.  
 2022206561 DOPS B.V.  
 2022207090 TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 2022207425 DIGNIFY THERAPEUTICS, LLC  
 2022207651 NANO CATS GMBH  
 2022208919 INSTITUTE FOR ADVANCED ENGINEERING  
 2022209089 PHOST'IN THERAPEUTICS; RD NEPHROLOGIE  
 2022209433 SENTI TECH LIMITED  
 2022209699 NBO PHARMA LLC  
 2022210374 SYNGENTA CROP PROTECTION AG  
 2022210469 THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC.; THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE ARMY  
  
 2022210635 SAINT-GOBAIN PLACO  
 2022211581 ORANO MED  
 2022211671 COMAU S.P.A.  
 2022212038 AB INITIO TECHNOLOGY LLC  
 2022212114 SURGE THERAPEUTICS, INC.  
 2022212797 Landis+Gyr Technology, Inc.  
 2022212995 BASE PROTECTION S.R.L.  
 2022213434 VALENT BIOSCIENCES LLC  
 2022215022 INNOLITH TECHNOLOGY AG  
 2022216385 CASALE SA  
 2022216893 ALCON INC.  
 2022218205 LANZATECH, INC.  
 2022219200 SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 2022219482 DEO N.V.  
 2022219868 HUSQVARNA AB  
 2022225747 ZODIAC POOL CARE EUROPE  
 2022233921 KUMIAI CHEMICAL INDUSTRY CO., LTD.  
 2022241370 TRANSPORT FOR NSW  
 2022250812 SAMSUNG ELECTRONICS CO., LTD.  
 2022264070 MARTIN, R.  
 2022317144 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
  
 2022336842 VENITAS RESEARCH CENTER, INC.  
 2022343574 CHINA UNIVERSITY OF MINING AND TECHNOLOGY  
 2022383965 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED  
  
 2022403593 ZHUHAI UNITECH POWER TECHNOLOGY CO., LTD.