



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

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

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

|  |
|--|
| <p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p> |
|--|

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 19 September 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***UON Pty Ltd v Indian Ocean Engineering Pty Ltd* [2024] APO 38**

Patent Application/Patent: 2021201628 & 2021102100

Title: SYSTEM FOR POWERING AND CONTROLLING AN ELECTRIC MOTOR; SYSTEM FOR POWERING AND CONTROLLING AN ELECTRIC MOTOR

Patent Applicant/Patentee: Indian Ocean Engineering Pty Ltd

Opponent: UON Pty Ltd

Delegate: Dr W.E. Guinea

Decision Date: 10 September 2024

Hearing Date: 13 June 2024, in Canberra, by videoconference

Catchwords: **PATENTS** – system for controlling electric motors, particularly variable speed generators – s59 – s101M – s40(3) support – s40(2)(a) clear enough and complete enough disclosure – s40(3) clarity – s40(2)(aa) best method – s101M(a) entitlement—  
opposition unsuccessful – further submissions sought on costs

Representation: Counsel for the Applicant/Patentee: Amy Surkis  
Patent Attorney for the Applicant/Patentee: Alistair Mann of Mann IP  
Patent Attorney for the Opponent: Barry Newman of Armour IP

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 19 September 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***360 Knee Systems Pty Ltd [2024] APO 39***

Patent Application: 2022202026

Title: Graphical representation of dynamic knee score for a knee surgery

Patent Applicant: 360 Knee Systems Pty Ltd

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

Decision Date: 11 September 2024

Hearing Date: by written submissions filed 26 June 2024

Catchwords: **PATENTS** – section 45 – examiner’s objection – modelling of possible outcomes for patients for knee surgery under varying surgical parameters – clarity – novelty – inventive step – manner of manufacture – examiner’s novelty objection is unsustainable - inventive step objection is sustainable – invention in substance appears to be directed to a mere scheme/algorithm lacking technical effect – opportunity to amend – time provided for further examination

Representation: Patent attorneys for the applicant: FB Rice Pty Ltd

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 3 Sep 2024 .

|  |  |  |
|--|--|--|
| (71) Aeroshot Aviation Pty Ltd<br>(21) 2024902849 (22) 10.09.2024<br>(54) SCANNING SYSTEM            | <b>Barbulescu, C. see Barbulescu, D.</b><br>(21) 2024902804  | (21) 2024902861  |
| (71) All G Foods Holdings Pty Limited<br>(21) 2024902805 (22) 05.09.2024<br>(54) DAIRY FAT GELS      | <b>Barbulescu, D. see Barbulescu, D.</b><br>(21) 2024902804  | <b>Chater, B. see FlexXpert</b><br>(21) 2024902861   |
| (71) AttractLign Holdings Pty Ltd<br>(21) 2024902816 (22) 05.09.2024<br>(54) Orthodontic Aligners    | (71) Barbulescu, D.; Barbulescu, T.;<br>Barbulescu, V.; Barbulescu, C.;<br>Barbulescu, D.; Energy Storage Rights<br>(21) 2024902804 (22) 05.09.2024<br>(54) Floating ternary set of turbine, pump<br>and horizontal axis generator hydro bat-<br>tery, scalable in a closed-loop charged<br>with floating solar and agrivoltaics | (71) Clipex IP Limited<br>(21) 2024902798 (22) 05.09.2024<br>(54) Improved Post Assembly   |
| (71) AttractLign Holdings Pty Ltd<br>(21) 2024902827 (22) 07.09.2024<br>(54) Orthodontic Aligners    | (71) Bend-tech Investments 1 Pty Ltd<br>(21) 2024902842 (22) 09.09.2024<br>(54) Chain storage rack   | (71) Commonwealth Scientific and Industrial<br>Research Organisation<br>(21) 2024902836 (22) 09.09.2024<br>(54) IMPLANT FIXATION DEVICE            |
| (71) Ausplow Pty. Ltd.<br>(21) 2024902819 (22) 06.09.2024<br>(54) A towable air cart                 | (71) BioPoint Pty Limited<br>(21) 2024902855 (22) 10.09.2024<br>(54) Detection of cryptosporidium and giar-<br>dia   | (71) Cooray, M.S.<br>(21) 2024902774 (22) 04.09.2024<br>(54) An Application Tracking System And<br>Methods Thereof                                 |
| <b>Australian Wool Innovation Limited see<br/>The University of Adelaide</b><br>(21) 2024902770      | (71) Bizlyfe Pty Ltd<br>(21) 2024902766 (22) 03.09.2024<br>(54) A Toilet Assembly  | (71) Cyber Security Research Centre Lim-<br>ited<br>(21) 2024902791 (22) 04.09.2024<br>(54) Digital credential wallet                              |
| (71) AUT VENTURES LIMITED<br>(21) 2024902817 (22) 06.09.2024<br>(54) GARMENT                         | (71) Boatang<br>(21) 2024902783 (22) 04.09.2024<br>(54) Watercraft shelter   | (71) DeltaBurn Pty Ltd<br>(21) 2024902786 (22) 04.09.2024<br>(54) Novel Method and Process for Improv-<br>ing Propulsive Actuating Disk Efficiency |
| (71) BAE Systems Australia Limited<br>(21) 2024902801 (22) 05.09.2024<br>(54) An All-Terrain Vehicle | (71) Bye, E.<br>(21) 2024902829 (22) 09.09.2024<br>(54) Target Boat  | <b>Department of Agriculture and Fisheries<br/>see The University of Queensland</b><br>(21) 2024902771   |
| <b>Barbulescu, T. see Barbulescu, D.</b><br>(21) 2024902804  | (71) Capricorn Promotions<br>(21) 2024902785 (22) 04.09.2024<br>(54) Drone frequency jamming point finder  | (71) de Vlugt, A.<br>(21) 2024902808 (22) 05.09.2024<br>(54) Improved Supplementary Load Carry-<br>ing Air Spring System                           |
| <b>Barbulescu, V. see Barbulescu, D.</b><br>(21) 2024902804  | <b>Chater, B. see FlexXpert</b>  | <b>Dillmann, M. see Dillmann, K.</b><br>(21) 2024902773  |

Provisional Applications Filed - Name Index cont'd

(71) Dillmann, K.; Dillmann, M.  
(21) 2024902773 (22) 03.09.2024  
(54) ADAPTABLE HUNTING AID

(71) Doguilev, V.  
(21) 2024902806 (22) 05.09.2024  
(54) Rotating solar panel holder for adjusting azimuth during the day and/or tilt attached to holding pole or frame fixed to a dwelling on one or more sides with a hinges/brackets to increase photons capture from sunlight with or without a solar battery behind the solar panel

(71) Dubber Pty Ltd  
(21) 2024902767 (22) 03.09.2024  
(54) Creating and Using a Graph of Organisation-Specific Knowledge From Conversation Data

**Energy Storage Rights see Barbulescu, D.**  
(21) 2024902804

(71) ENGAGE IR PTY. LTD.  
(21) 2024902850 (22) 10.09.2024  
(54) APPLICATION (WEB AND MOBILE BASED) FOR MANAGEMENT OF INVESTOR RELATIONS

(71) FlexXpert; Chater, B.; Chater, B.  
(21) 2024902861 (22) 10.09.2024  
(54) Flexibility belt with detachable looped leg and stretch attachments

(71) Foster, D.  
(21) 2024902802 (22) 05.09.2024  
(54) Seeding Apparatus of a Row Unit of a Disc Planter

(71) Frontline Trading Pty Ltd  
(21) 2024902787 (22) 04.09.2024  
(54) Modular Rubber Threshold Ramp for Garages

(71) Future Battery Industries CRC Ltd  
(21) 2024902840 (22) 09.09.2024  
(54) Process for recovering lithium from a lithium-bearing material

(71) Gamma Vaccines Pty Limited  
(21) 2024902795 (22) 05.09.2024  
(54) Combination vaccines

(71) HalleyAssist IP Pty Ltd  
(21) 2024902782 (22) 04.09.2024  
(54) Systems and Methods for Monitoring Subjects in a Physical Space

(71) Hemsley, C.  
(21) 2024902792 (22) 04.09.2024  
(54) Ski Boot Opening Tool

(71) Hermal Bio Energy International Pty Ltd  
(21) 2024902768 (22) 03.09.2024  
(54) BIO-CHAR AS A BIO-ACTIVATED CARBON CATALYST OR CATALYST SUPPORT

(71) Heselev, R.  
(21) 2024902835 (22) 09.09.2024  
(54) Sculling Trainer Adapter for Conventional Rowing Ergo

(71) IHYDRATE Pty Ltd  
(21) 2024902812 (22) 05.09.2024  
(54) Devices configured to facilitate analysis of liquid substances, methods of manufacture thereof, and associated analysis technology

(71) Illinois Tool Works Inc.  
(21) 2024902860 (22) 10.09.2024  
(54) Fastener

(71) Ingwersen, R.  
(21) 2024902844 (22) 09.09.2024  
(54) A Portable Tool Storage Container

**Isbester, S. see Isbester, A.**  
(21) 2024902788

(71) Isbester, A.; Isbester, S.  
(21) 2024902788 (22) 04.09.2024  
(54) Massage System for Reducing Lymphedema

(71) Jackson, G.  
(21) 2024902778 (22) 04.09.2024  
(54) BIODEGRADABLE SPORTING ITEM AND PACKAGING THEREOF

(71) KMS ENGINEERING (PRIVATE) LIMITED  
(21) 2024902821 (22) 06.09.2024  
(54) 2,5-FURANDICARBOXYLIC ACID FROM CARBOHYDRATE FEED-STOCK

(71) KRUZER PTY LTD  
(21) 2024902781 (22) 04.09.2024  
(54) SYSTEM AND METHOD FOR FACILITATING BUYING AND/OR RENTAL OF ONE OR MORE VEHICLES FOR RECREATIONAL PURPOSES

(71) LAWSON, D.  
(21) 2024902857 (22) 10.09.2024  
(54) A system for storing, dispensing, and brewing coffee

(71) Lindo Technology Group  
(21) 2024902775 (22) 04.09.2024  
(54) Field Care System

(71) Magnetica Limited  
(21) 2024902831 (22) 09.09.2024  
(54) Method and Apparatus for Passive Shimming in MRI Systems Using Hollow Shim Portions

(71) Marjanovic, V.  
(21) 2024902789 (22) 04.09.2024  
(54) PhatLocks Hair Serum

**Meat & Livestock Australia Limited see The University of Queensland**  
(21) 2024902771

(71) Monash University; University of South Australia  
(21) 2024902797 (22) 05.09.2024  
(54) Novel Compounds

(71) Monash University  
(21) 2024902837 (22) 09.09.2024  
(54) Graphene oxide membranes

(71) Mowla, S.J.  
(21) 2024902813 (22) 05.09.2024  
(54) A microarray and NGS based assay to detect HER2-positive subtypes of cancer patients using a small non-coding RNA, HerPir

(71) Mowla, S.J.  
(21) 2024902814 (22) 05.09.2024  
(54) Introducing a novel and highly efficient in situ hybridization method to discriminate between HER2- and HER2+ samples in cancer patients

(71) Mowla, S.J.  
(21) 2024902825 (22) 06.09.2024  
(54) Introducing a real-time PCR method to quantify a novel cancer biomarker, HerPir, in biological samples from cancer patients

(71) Multicom Resources Limited  
(21) 2024902853 (22) 10.09.2024  
(54) Improved Beneficiation

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(71) Neurotech International Limited  
(21) 2024902820 (22) 06.09.2024  
(54) Compositions and methods for modifying proteomic pathways

(71) NewSouth Innovations Pty Limited  
(21) 2024902790 (22) 04.09.2024  
(54) High performance catalysts for degradation of EVA from waste solar panels

(71) Nguyen, T.  
(21) 2024902823 (22) 06.09.2024  
(54) Orthotic Device for Enhanced Ankle and Foot Support in Achilles Tendon, Calf, and Lower Limb Injury Rehabilitation

(71) Nourish Ingredients Pty Ltd  
(21) 2024902851 (22) 10.09.2024  
(54) Cells and modified lipid preparations, and uses thereof

(71) OtherPay Pty Ltd  
(21) 2024902807 (22) 05.09.2024  
(54) CAPITAL FLIGHT AND PROFIT REPATRIATION AVOIDANCE

(71) OtherPay Pty Ltd  
(21) 2024902809 (22) 05.09.2024  
(54) UNFEDERATED FEDERATED IDENTITY MANAGEMENT SOLUTION

(71) OtherPay Pty Ltd  
(21) 2024902810 (22) 05.09.2024  
(54) MULTI-SOURCE ONLINE FUNDS IDENTIFICATION IN ELECTRONIC PAYMENT DEVICE

(71) OtherPay Pty Ltd  
(21) 2024902811 (22) 05.09.2024  
(54) ELECTRONIC DEVICE FOR GENERATING SECURE ONE-TIME CODES

(71) Patriot Campers Holdings Pty Ltd  
(21) 2024902772 (22) 03.09.2024  
(54) Camper trailer or caravan

(71) Patriot Campers Holdings Pty Ltd  
(21) 2024902776 (22) 04.09.2024  
(54) Camper trailer or caravan

(71) Pool Solar Heating Specialist Ltd  
(21) 2024902800 (22) 05.09.2024  
(54) A Hinged Bracket

(71) Proclaimer Pty Ltd  
(21) 2024902822 (22) 06.09.2024  
(54) Apparatus and method for determining content origin

ResMed Asia Pte. Ltd. see ResMed Pty Ltd  
(21) 2024902818

(71) ResMed Pty Ltd; ResMed Asia Pte. Ltd.  
(21) 2024902818 (22) 06.09.2024  
(54) Headgear Strap For A Patient Interface

(71) ResMed Pty Ltd  
(21) 2024902847 (22) 10.09.2024  
(54) CORD ENGAGEMENT DEVICE AND SYSTEMS

(71) Royal Melbourne Institute of Technology  
(21) 2024902815 (22) 05.09.2024  
(54) Predicting responders to cancer therapy

(71) Sattler, C.  
(21) 2024902794 (22) 05.09.2024  
(54) A Structural Connector Assembly

(71) SCREEDBRO PTY LTD  
(21) 2024902780 (22) 04.09.2024  
(54) DEVICES CONFIGURED TO FACILITATE PREPARATION OF A SURFACE HAVING SPECIFIED LEVEL ATTRIBUTES, INCLUDING SCREEDING LEVEL SETTING DEVICES

(71) Sea Forest Limited  
(21) 2024902793 (22) 04.09.2024  
(54) COMPOSITIONS COMPRISING COMBINATIONS OF ANTI-METHANOGENIC AGENTS, AND USES THEREOF

(71) Smartipants Media Pty Ltd  
(21) 2024902779 (22) 04.09.2024  
(54) DATA COMMUNICATIONS NETWORK AND METHOD FOR FACILITATING THE PURCHASE OF WEARABLE ITEMS IN AN ONLINE ENVIRONMENT

(71) Stalwart Protective Technologies Pty Ltd  
(21) 2024902839 (22) 09.09.2024  
(54) FIRE RETARDANT/TERMICIDE/FUNGICIDE COMPOSITIONS AND PROCESSES

(71) Stickytek Pty Ltd  
(21) 2024902830 (22) 09.09.2024  
(54) TOYS CONFIGURED FOR USE WITH OTHER TOY SYSTEMS

(71) Technological Resources Pty. Limited  
(21) 2024902841 (22) 09.09.2024  
(54) A CIRCUIT AND PROCESS FOR EXTRACTING LITHIUM FROM BRINE

(71) Technological Resources Pty. Limited  
(21) 2024902843 (22) 09.09.2024  
(54) A CIRCUIT AND PROCESS FOR EXTRACTING LITHIUM FROM BRINE

(71) The Australian National University  
(21) 2024902834 (22) 09.09.2024  
(54) Enhanced continuous-variable quantum key distribution system and method

(71) The Council of the Queensland Institute of Medical Research  
(21) 2024902826 (22) 06.09.2024  
(54) IMPROVED MATURATION MEDIUM

(71) The University of Adelaide; Australian Wool Innovation Limited  
(21) 2024902770 (22) 03.09.2024  
(54) METHOD AND COMPOSITION FOR MANIPULATION OF ANIMAL FIBRE

(71) The University of Adelaide  
(21) 2024902838 (22) 09.09.2024  
(54) A Mixed SQUID Array

(71) The University of Queensland; Meat & Livestock Australia Limited; Department of Agriculture and Fisheries  
(21) 2024902771 (22) 03.09.2024  
(54) Biopolymers to deliver bioactive compounds that reduce enteric methane

(71) The University of Sydney  
(21) 2024902803 (22) 05.09.2024  
(54) Hair-like device and method of implanting same

(71) The Walter and Eliza Hall Institute of Medical Research  
(21) 2024902833 (22) 09.09.2024  
(54) TREATMENT OF DISEASES ASSOCIATED WITH MITOPHAGY

(71) THINKONE PTY LTD  
(21) 2024902852 (22) 10.09.2024  
(54) Vessel Lid With Magnetic Closure

University of South Australia see Monash University  
(21) 2024902797

(71) VoxPopAI  
(21) 2024902828 (22) 08.09.2024  
(54) VoxPopAI: An AI-Powered Civic Engagement Platform

Provisional Applications Filed - Name Index cont'd

(71) VRF Vault Limited  
 (21) 2024902848 (22) 10.09.2024  
 (54) EYE TRACKING DEVICE

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(71) Wells, L.  
 (21) 2024902845 (22) 10.09.2024  
 (54) Method of Communication via Neural  
 Oscillations and Hz or Khz.

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(71) Wells, L.  
 (21) 2024902846 (22) 10.09.2024  
 (54) Hertz Communication Technology

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(71) WENT, T.  
 (21) 2024902858 (22) 10.09.2024  
 (54) A BANNER INSTALLATION TOOL

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(71) White, C.  
 (21) 2024902777 (22) 04.09.2024  
 (54) smart pest defence

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(71) Wiggins, D.  
 (21) 2024902799 (22) 05.09.2024  
 (54) Hooklift – ISO container mounted vacu-  
 um pressure system.

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(71) WIREMAN PTY LIMITED  
 (21) 2024902832 (22) 09.09.2024  
 (54) A Tension Board Arrangement

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(71) Zetifi Pty Ltd  
 (21) 2024902784 (22) 04.09.2024  
 (54) AN ANTENNA SYSTEM FOR A  
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| 2024902768 | Hermal Bio Energy International Pty Ltd   | 2024902835 | Heselev, R.  |
| 2024902770 | The University of Adelaide; Australian Wool Innovation Limited  | 2024902836 | Commonwealth Scientific and Industrial Research Organisation |
| 2024902771 | The University of Queensland; Meat & Livestock Australia Limited; Department of Agriculture and Fisheries | 2024902837 | Monash University  |
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| 2024902773 | Dillmann, K.; Dillmann, M.  | 2024902839 | Stalwart Protective Technologies Pty Ltd                     |
| 2024902774 | Cooray, M.S.  | 2024902840 | Future Battery Industries CRC Ltd                            |
| 2024902775 | Lindo Technology Group  | 2024902841 | Technological Resources Pty. Limited                         |
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| 2024902777 | White, C.   | 2024902843 | Technological Resources Pty. Limited                         |
| 2024902778 | Jackson, G.   | 2024902844 | Ingwersen, R.  |
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| 2024902784 | Zetifi Pty Ltd  | 2024902850 | ENGAGE IR PTY. LTD.  |
| 2024902785 | Capricorn Promotions  | 2024902851 | Nourish Ingredients Pty Ltd                                  |
| 2024902786 | DeltaBurn Pty Ltd   | 2024902852 | THINKONE PTY LTD   |
| 2024902787 | Frontline Trading Pty Ltd   | 2024902853 | Multicom Resources Limited                                   |
| 2024902788 | Isbester, A.; Isbester, S.  | 2024902855 | BioPoint Pty Limited   |
| 2024902789 | Marjanovic, V.  | 2024902857 | LAWSON, D.   |
| 2024902790 | NewSouth Innovations Pty Limited  | 2024902858 | WENT, T.   |
| 2024902791 | Cyber Security Research Centre Limited  | 2024902860 | Illinois Tool Works Inc.                                     |
| 2024902792 | Hemsley, C.   | 2024902861 | FlexXpert; Chater, B.; Chater, B.                            |
| 2024902793 | Sea Forest Limited  |            |  |
| 2024902794 | Sattler, C.   |            |  |
| 2024902795 | Gamma Vaccines Pty Limited  |            |  |
| 2024902797 | Monash University; University of South Australia  |            |  |
| 2024902798 | Clipex IP Limited   |            |  |
| 2024902799 | Wiggins, D.   |            |  |
| 2024902800 | Pool Solar Heating Specialist Ltd   |            |  |
| 2024902801 | BAE Systems Australia Limited   |            |  |
| 2024902802 | Foster, D.  |            |  |
| 2024902803 | The University of Sydney  |            |  |
| 2024902804 | Barbulescu, D.; Barbulescu, T.; Barbulescu, V.; Barbulescu, C.; Barbulescu, D.; Energy Storage Rights     |            |  |
| 2024902805 | All G Foods Holdings Pty Limited  |            |  |
| 2024902806 | Doguilev, V.  |            |  |
| 2024902807 | OtherPay Pty Ltd  |            |  |
| 2024902808 | de Vlugt, A.  |            |  |
| 2024902809 | OtherPay Pty Ltd  |            |  |
| 2024902810 | OtherPay Pty Ltd  |            |  |
| 2024902811 | OtherPay Pty Ltd  |            |  |
| 2024902812 | IHYDRATE Pty Ltd  |            |  |
| 2024902813 | Mowla, S.J.   |            |  |
| 2024902814 | Mowla, S.J.   |            |  |
| 2024902815 | Royal Melbourne Institute of Technology   |            |  |
| 2024902816 | AttractLign Holdings Pty Ltd  |            |  |
| 2024902817 | AUT VENTURES LIMITED  |            |  |
| 2024902818 | ResMed Pty Ltd; ResMed Asia Pte. Ltd.   |            |  |
| 2024902819 | Ausplow Pty. Ltd.   |            |  |
| 2024902820 | Neurotech International Limited   |            |  |
| 2024902821 | KMS ENGINEERING (PRIVATE) LIMITED   |            |  |
| 2024902822 | Proclaimer Pty Ltd  |            |  |
| 2024902823 | Nguyen, T.  |            |  |
| 2024902825 | Mowla, S.J.   |            |  |
| 2024902826 | The Council of the Queensland Institute of Medical Research   |            |  |
| 2024902827 | AttractLign Holdings Pty Ltd  |            |  |
| 2024902828 | VoxPopAI  |            |  |
| 2024902829 | Bye, E.   |            |  |
| 2024902830 | Stickytek Pty Ltd   |            |  |
| 2024902831 | Magnetica Limited   |            |  |
| 2024902832 | WIREMAN PTY LIMITED   |            |  |

**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 3 Sep 2024 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

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|--|---|--|
| (71) 1934612 Ontario Inc.<br>(21) 2024219565 (22) 10.09.2024<br>(54) Methods and systems for dewatering solid particles in a contaminated liquid mixture           | (71) Alnylam Pharmaceuticals, Inc.<br>(21) 2024219434 (22) 05.09.2024<br>(54) Compositions and methods for inhibition of expression of apolipoprotein C-III (APOC3) genes   | (71) BAKNER MANUFACTURING, LLC<br>(21) 2024219515 (22) 09.09.2024<br>(54) APPAREL ARTICLE WITH TEXTURED GRIP   |
| (71) ACCESS TO ADVANCED HEALTH INSTITUTE<br>(21) 2024219550 (22) 10.09.2024<br>(54) Nanoalum particles containing a sizing agent                                   | (71) Amgen Inc.<br>(21) 2024219350 (22) 03.09.2024<br>(54) Synthesis of vinylic alcohol intermediates   | (71) Barco N.V.<br>(21) 2024219374 (22) 04.09.2024<br>(54) Method and system for making functional devices available to participants of meetings                                 |
| (71) Acorn Engineering Company<br>(21) 2024219366 (22) 04.09.2024<br>(54) Hybrid toilet  | (71) Amgen Inc.<br>(21) 2024219455 (22) 06.09.2024<br>(54) Benzisothiazole, iso-thiazolo[3,4-b]pyridine, quinazoline, phthalazine, pyrido[2,3-d]pyridazine and pyrido[2,3-d]pyrimidine derivatives as KRAS G12C inhibitors for treating lung, pancreatic or colorectal cancer | (71) Baxter Corporation Englewood<br>(21) 2024219527 (22) 09.09.2024<br>(54) MEDICATION REQUISITION FULFILLMENT SYSTEM AND METHOD  |
| (71) Acres Technology<br>(21) 2024219480 (22) 06.09.2024<br>(54) System for Promoting Play on Electronic Gaming Devices and Engagement with Casino Personnel       | (71) Aqseptence Group, Inc.<br>(21) 2024219579 (22) 10.09.2024<br>(54) System and related methods for fabrication of wire based screen filters  | (71) Baylor College of Medicine<br>(21) 2024219497 (22) 09.09.2024<br>(54) DOMINANT ACTIVE YAP, A HIPPO EFFECTOR, INDUCES CHROMATIN ACCESSIBILITY AND CARDIOMYOCYTE RENEWAL      |
| (71) Acres Technology<br>(21) 2024219485 (22) 06.09.2024<br>(54) Method and Apparatus for Triggering a Bonus   | (71) Aristocrat Technologies, Inc.<br>(21) 2024219347 (22) 03.09.2024<br>(54) DISPLAY ASSEMBLIES FOR A GAMING DEVICE HAVING A CURVED EDGE   | (71) Becton, Dickinson and Company<br>(21) 2024219574 (22) 10.09.2024<br>(54) Automated diagnostic analyzer and method for its operation   |
| (71) Acuitas Therapeutics, Inc.<br>(21) 2024219417 (22) 05.09.2024<br>(54) Novel carbonyl lipids and lipid nanoparticle formulations for delivery of nucleic acids | (71) Aristocrat Technologies, Inc.<br>(21) 2024219349 (22) 03.09.2024<br>(54) ELECTRONIC GAMING ENVIRONMENTS WITH 3D IMMERSIVE AUDIO SYSTEMS  | (71) Bepak Europe Limited<br>(21) 2024219491 (22) 08.09.2024<br>(54) Pressurised dispensing container  |
| (71) Adobe Inc.<br>(21) 2024219513 (22) 09.09.2024<br>(54) MULTI-ATTRIBUTE INVERSION FOR TEXT-TO-IMAGE SYNTHESIS   | (71) Arrowhead Pharmaceuticals, Inc.<br>(21) 2024219418 (22) 05.09.2024<br>(54) RNAi agents for Hepatitis B virus infection   | (71) BGC Partners, Inc.<br>(21) 2024219559 (22) 10.09.2024<br>(54) INTERPROGRAM COMMUNICATION USING MESSAGES RELATED TO EVENTS AND ACTIONS ON AN EXCHANGE                        |
| (71) ADRENALINE X-TREME ADVENTURES GROUP S.R.L.<br>(21) 2024219354 (22) 03.09.2024<br>(54) ALIGNMENT BETWEEN TWO GUIDES  | (71) Arvinas, Inc.; Yale University<br>(21) 2024219536 (22) 09.09.2024<br>(54) Compounds and methods for the enhanced degradation of targeted proteins  | (71) Big Dutchman International GmbH<br>(21) 2024219450 (22) 06.09.2024<br>(54) REARING-KEEPING FACILITY FOR REARING POULTRY ANIMALS, CORRESPONDING POULTRY ANIMAL HOUSE AND USE |
| (71) ADRENALINE X-TREME ADVENTURES GROUP S.R.L.<br>(21) 2024219429 (22) 05.09.2024<br>(54) PERFECTED BRAKE   | (71) Ausmetec Pty Ltd<br>(21) 2024219464 (22) 06.09.2024<br>(54) Apparatus and Process for Improved Ore Recovery  | (71) Binding Solutions Ltd<br>(21) 2024219368 (22) 04.09.2024<br>(54) PELLETT  |

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(71) BioMed Valley Discoveries, Inc.  
(21) 2024219529 (22) 09.09.2024  
(54) Compositions and methods for treating cancer with atypical BRAF mutations

(71) BioNTech SE  
(21) 2024219496 (22) 09.09.2024  
(54) Selecting neoepitopes as disease-specific targets for therapy with enhanced efficacy

(71) Biotome Pty Ltd  
(21) 2024219396 (22) 04.09.2024  
(54) Novel Peptides and Their Use in Diagnosis

(71) BlueScope Steel Limited  
(21) 2024219459 (22) 06.09.2024  
(54) Coil Restraint

(71) Brady Worldwide, Inc.  
(21) 2024219357 (22) 03.09.2024  
(54) Rotary circuit breaker lockout system and method

(71) BUTCHER, P.  
(21) 2024219371 (22) 04.09.2024  
(54) Direct Flow Wavemaker.

(71) CGBio Co., Ltd.  
(21) 2024219382 (22) 04.09.2024  
(54) Composition comprising drying method-applied fibrous acellular dermal matrix and method for preparing same

(71) Chapman, W.  
(21) 2024219444 (22) 06.09.2024  
(54) Deck Board

(71) Children's Medical Center Corporation  
(21) 2024219454 (22) 06.09.2024  
(54) Pro-inflammatory and adjuvant functions of toll-like receptor 4 antagonists

(71) CommScope Technologies LLC  
(21) 2024219362 (22) 04.09.2024  
(54) Connectors and contacts for a single twisted pair of conductors

(71) Compagnie Generale des Etablissements Michelin  
(21) 2024219370 (22) 04.09.2024  
(54) NON-PNEUMATIC TIRE SPOKE WITH IMPROVED ELASTOMERIC JOINT BODY

(71) Compagnie Generale des Etablissements Michelin  
(21) 2024219413 (22) 05.09.2024

(54) NON-PNEUMATIC TIRE SPOKE WITH IMPROVED ELASTOMERIC JOINT BODY

(71) Coulter Ventures LLC  
(21) 2024219483 (22) 06.09.2024  
(54) Adjustable carriage assembly for pivotable arm for weight rack

(71) CSR Building Products Limited  
(21) 2024219487 (22) 06.09.2024  
(54) Prefabricated Construction Modules

(71) Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation  
(21) 2024219404 (22) 05.09.2024  
(54) COMPOSITIONS AND METHODS OF IDENTIFYING TUMOR SPECIFIC NEOANTIGENS

(71) Deere & Company  
(21) 2024219365 (22) 04.09.2024  
(54) Generating prescriptive depth values based on soil environment and controlling an actuator to vary planting depth based on the prescriptive depth values

(71) Deere & Company  
(21) 2024219375 (22) 04.09.2024  
(54) Operation system

(71) Deere & Company  
(21) 2024219403 (22) 05.09.2024  
(54) Kernel processor adjustment using crop constituents

(71) Deere & Company  
(21) 2024219411 (22) 05.09.2024  
(54) Draft sensor for agricultural spraying

(71) Dexcom, Inc.  
(21) 2024219378 (22) 04.09.2024  
(54) User interfaces for continuous glucose monitoring

(71) Dexcom, Inc.  
(21) 2024219462 (22) 06.09.2024  
(54) Continuous glucose monitors and related sensors utilizing mixed model and bayesian calibration algorithms

(71) DexYP  
(21) 2024219486 (22) 06.09.2024  
(54) Method and system for lead budget allocation and optimization on a multi-channel multi-media campaign management and payment platform

(71) Doggin Safe Pty Ltd  
(21) 2024219475 (22) 06.09.2024  
(54) SAFETY DEVICE

(71) Dolby International AB  
(21) 2024219410 (22) 05.09.2024  
(54) Method and device for arithmetic encoding or arithmetic decoding

(71) Dolby Laboratories Licensing Corporation  
(21) 2024219367 (22) 04.09.2024  
(54) Generating binaural audio in response to multi-channel audio using at least one feedback delay network

(71) Dolby Laboratories Licensing Corporation  
(21) 2024219402 (22) 05.09.2024  
(54) Image reshaping in video coding using rate distortion optimization

(71) Dolby Laboratories Licensing Corporation  
(21) 2024219524 (22) 09.09.2024  
(54) Source color volume information messaging

(71) DoorDash Inc.  
(21) 2024219433 (22) 05.09.2024  
(54) System and Method for Dynamic Pairing Function Optimization

(71) Ecole de technologie superieure  
(21) 2024219465 (22) 06.09.2024  
(54) SYSTEM AND METHOD FOR DETERMINING AN IN-EAR NONVERBAL AUDIO EVENT OF AN AUDIO SIGNAL

(71) Edwards Lifesciences Corporation  
(21) 2024219525 (22) 09.09.2024  
(54) Prosthetic heart valve

(71) eGenesis, Inc.  
(21) 2024219556 (22) 10.09.2024  
(54) Methods for generating genetically modified animals

(71) ELC Management LLC  
(21) 2024219532 (22) 09.09.2024  
(54) BLOW MOLDING METHOD AND APPARATUS

Elsworth, C. see Macdonald, J.  
(21) 2024219494

(71) EVOBEND GmbH  
(21) 2024219425 (22) 05.09.2024

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(54) Method for producing a seam using a bending machine , and bending machine configured for this purpose

(71) EVOBEND GmbH  
(21) 2024219426 (22) 05.09.2024

(54) Method for producing a seam using a bending machine , and bending machine configured for this purpose

(71) EVOBEND GmbH  
(21) 2024219428 (22) 05.09.2024

(54) Method for producing a recess using a bending machine, and bending machine configured for this purpose

(71) Exsomed Corporation  
(21) 2024219554 (22) 10.09.2024  
(54) Intramedullary threaded nail for radial cortical fixation

(71) FAN, E.  
(21) 2024219395 (22) 04.09.2024  
(54) Multifunctional Carrier For Suitcase

(71) Fisher & Paykel Healthcare Limited  
(21) 2024219421 (22) 05.09.2024  
(54) ACTIVE SMOKE FILTRATION FOR INSUFFLATION

(71) Fisher & Paykel Healthcare Limited  
(21) 2024219535 (22) 09.09.2024  
(54) Usability features for respiratory humidification system

(71) Fisher & Paykel Healthcare Limited  
(21) 2024219544 (22) 10.09.2024  
(54) BREATHING ASSISTANCE APPARATUS

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2024219443 (22) 06.09.2024  
(54) A PATIENT INTERFACE

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2024219506 (22) 09.09.2024  
(54) FLOW PATH SENSING FOR FLOW THERAPY APPARATUS

(71) Freeport-McMoRan Inc.  
(21) 2024219384 (22) 04.09.2024  
(54) Methods and systems for deploying equipment required to meet defined production targets

(71) GEA TDS GmbH  
(21) 2024219538 (22) 09.09.2024

(54) Method and installation for the treatment of heat-sensitive liquid food products, and centrifugal pump for an installation of said type

(71) GENODX PTY LTD  
(21) 2024219424 (22) 05.09.2024

(54) Biomarkers and uses therefor

(71) Geomni, Inc.  
(21) 2024219518 (22) 09.09.2024

(54) Computer vision systems and methods for modeling three dimensional structures using two-dimensional segments detected in digital aerial images

(71) GeoTech Technologies Ltd.  
(21) 2024219469 (22) 06.09.2024  
(54) GEOCELL WITH IMPROVED COMPACTION AND DEFORMATION RESISTANCE

(71) Gilead Sciences, Inc.  
(21) 2024219564 (22) 10.09.2024  
(54) Inhalation formulations of 1'-cyano substituted carbanucleoside analogs

Grail, Inc. see The Chinese University of Hong Kong  
(21) 2024219557

(71) GRIP HOLDINGS LLC  
(21) 2024219451 (22) 06.09.2024  
(54) Advanced holding apparatus

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
(21) 2024219401 (22) 05.09.2024  
(54) Merge mode-based inter-prediction method and apparatus

(71) HiFiBio SAS  
(21) 2024219390 (22) 04.09.2024  
(54) Single cell analysis

(71) Hitachi, Ltd.  
(21) 2024219414 (22) 05.09.2024  
(54) Hydrogen production planning device and hydrogen production system

(71) Horizon Therapeutics Ireland DAC  
(21) 2024219504 (22) 09.09.2024  
(54) BINDING MOLECULES SPECIFIC FOR FCyGAMMA RIIA AND USES THEREOF

(71) Howmedica Osteonics Corp.  
(21) 2024219563 (22) 10.09.2024  
(54) Shoulder prosthesis components and assemblies

(71) Huawei Technologies Co., Ltd.  
(21) 2024219340 (22) 03.09.2024  
(54) METHOD AND APPARATUS FOR INTRA PREDICTION

(71) Huawei Technologies Co., Ltd.  
(21) 2024219361 (22) 04.09.2024  
(54) RELATION BETWEEN PARTITION CONSTRAINT ELEMENTS

(71) Huawei Technologies Co., Ltd.  
(21) 2024219474 (22) 06.09.2024  
(54) IMAGE PREDICTION METHOD, APPARATUS, AND SYSTEM, DEVICE, AND STORAGE MEDIUM

HUB Organoids IP B.V. see Koninklijke Nederlandse Akademie van Wetenschappen  
(21) 2024219545

Huesker, Inc. see MKB Company, LLC  
(21) 2024219460

(71) Hunter Pacific International Pty Ltd  
(21) 2024219389 (22) 04.09.2024  
(54) CONTROL SYSTEM FOR DEVICE HAVING DC ELECTRIC MOTOR

(71) Hysential Pty Ltd  
(21) 2024219440 (22) 05.09.2024  
(54) Tissue Dispenser Comprising Removable Sensor Housing

(71) Hysential Pty Ltd  
(21) 2024219441 (22) 05.09.2024  
(54) Locking Mechanism For Containers

(71) IGT  
(21) 2024219548 (22) 10.09.2024  
(54) SYSTEM AND METHOD FOR CENTRALIZING FUNDS TO A PRIMARY GAMING ESTABLISHMENT ACCOUNT

(71) IGT  
(21) 2024219549 (22) 10.09.2024  
(54) SYSTEM AND METHOD FOR UTILIZING MOBILE DEVICE TO PROVIDE SERVICE WINDOW FUNCTIONALITY

(71) Incaendium Initiative Corporation  
(21) 2024219541 (22) 09.09.2024  
(54) System and method for resonant acoustic fire suppression via linear driver or thermoacoustic generation

Complete Applications Filed - Name Index cont'd

(71) Inova Diagnostics, Inc.  
(21) 2024219489 (22) 07.09.2024  
(54) DETECTING ANTIBODIES USING ANTIGENS

(71) International Business Machines Corporation  
(21) 2024219400 (22) 05.09.2024  
(54) Quantum coupler facilitating suppression of ZZ interactions between qubits

(71) International Business Machines Corporation  
(21) 2024219519 (22) 09.09.2024  
(54) Low trust privileged access management

(71) IntraMont Technologies, Inc.  
(21) 2024219419 (22) 05.09.2024  
(54) Preparations for the prevention of illnesses acquired via the oral cavity and pharynx

(71) Intuit Inc.  
(21) 2024219553 (22) 10.09.2024  
(54) Identification and alert generation for miscategorizations in categorization problems

(71) IRP Health Pty Ltd  
(21) 2024219381 (22) 04.09.2024  
(54) Berberine alkaloids in the prevention and/or treatment of intestinal disease

(71) J & J Solutions & Innovations Pty Limited  
(21) 2024219377 (22) 04.09.2024  
(54) Vehicle Mount

(71) Janssen Biotech, Inc.  
(21) 2024219359 (22) 03.09.2024  
(54) FC engineered anti-TNFR superfamily member antibodies having enhanced agonistic activity and methods of using them

(71) Jiangsu Sanjo Intelligent Technology Co., Ltd.; Photon Robot (Ningbo) Co., Ltd.  
(21) 2024219543 (22) 09.09.2024  
(54) PLASTIC BAG PACKAGING AND SEPARATING DEVICE FOR INTELLIGENT PACKAGING TOILET

Jiangsu Wanbang Energy Storage Technology Co., Ltd. see Wanbang Digital Energy Co., Ltd.  
(21) 2024219392

Jiangsu Wanbang Energy Storage Technology Co., Ltd. see Wanbang Digital Energy Co., Ltd.  
(21) 2024219540

(71) Johns, D.  
(21) 2024219492 (22) 08.09.2024  
(54) Negative Energy

(71) Johnson Controls Technology Company  
(21) 2024219353 (22) 03.09.2024  
(54) Building management system with space graph

(71) Joy Global Underground Mining LLC  
(21) 2024219423 (22) 05.09.2024  
(54) Resilient link for conveyor chain

(71) Juul Labs, Inc.  
(21) 2024219500 (22) 09.09.2024  
(54) Vaporization device systems and methods

(71) Kerpower UK Ltd  
(21) 2024219539 (22) 09.09.2024  
(54) SYSTEMS AND METHODS FOR AUTONOMOUSLY DERIVING COMMODITY CONSUMPTION

(71) Koninklijke Nederlandse Akademie van Wetenschappen; HUB Organoids IP B.V.  
(21) 2024219545 (22) 10.09.2024  
(54) Immune cell organoid co-cultures

(71) L3Harris Technologies, Inc.  
(21) 2024219533 (22) 09.09.2024  
(54) WINDOW MOUNTABLE DIRECTION-FINDING ANTENNA ARRAYS

(71) LEE, T.W.  
(21) 2024219490 (22) 08.09.2024  
(54) CHELATED LITHIUM MOLYBDATE LUBRICANT ADDITIVE, PREPARATION METHOD AND APPLICATION THEREOF

(71) Lexmark International, Inc.  
(21) 2024219431 (22) 05.09.2024  
(54) Communication between an Image Forming Device and a Replaceable Supply Item

(71) LG Electronics Inc.  
(21) 2024219493 (22) 08.09.2024  
(54) Dish washer

(71) Licella Pty Ltd  
(21) 2024219448 (22) 06.09.2024  
(54) Biorefining method

(71) LIN, M.  
(21) 2024219516 (22) 09.09.2024  
(54) Bicycle Energy Storage System For Helping In Pedaling

(71) LITTLE GIANT LADDER SYSTEMS, LLC  
(21) 2024219546 (22) 10.09.2024  
(54) LADDER HINGE AND LADDERS INCORPORATING SAME

(71) Lourica Limited  
(21) 2024219471 (22) 06.09.2024  
(54) IMPROVEMENTS IN AND RELATING TO SURGICAL PLATE IMPLANTS

Ltd "Valenta-Intellekt" see Nebolsin Vladimir Evgenievich  
(21) 2024219477

Ltd "Valenta-Intellekt" see Nebolsin Vladimir Evgenievich  
(21) 2024219478

(71) Lucid Circuit, Inc.  
(21) 2024219438 (22) 05.09.2024  
(54) Systems And Methods For Autonomous Hardware Compute Resiliency

(71) Ludwig Institute for Cancer Research Ltd.  
(21) 2024219468 (22) 06.09.2024  
(54) Specific binding proteins and uses thereof

(71) Macdonald, J.; Oeste, F.; Elsworth, C.; Reilly, D.  
(21) 2024219494 (22) 08.09.2024  
(54) Reducing the impact of plastic waste combustion and ocean pollution by doping with metal catalysts.

(71) Majkic, B.  
(21) 2024219488 (22) 06.09.2024  
(54) Universal Workers Bench

(71) Mansell, J.  
(21) 2024219341 (22) 03.09.2024  
(54) Compositions and methods for treating pain disorders

(71) Marandi, K.  
(21) 2024219583 (22) 10.09.2024  
(54) \*\*MentisLink\*\*, is designed to provide comprehensive mental health support, specifically aimed at users like NDIS (National Disability Insurance Scheme) participants. It combines AI technology with various features to assist users in

Complete Applications Filed - Name Index cont'd

managing their mental health and daily tasks. ### Key Features of \*\*Mentis-Link\*\*\*: 1. \*\*AI-Powered Emotional Support\*\*\*: - The app uses artificial intelligence to analyze user input, detect emotional states, and provide tailored support, advice, or mental health exercises. It helps users manage their mental health through ongoing interaction and personalized .

(71) MasterCard International Incorporated  
(21) 2024219386 (22) 04.09.2024  
(54) Access to ACH transaction functionality via digital wallets

(71) Maynetic Investments Pty Ltd  
(21) 2024219457 (22) 06.09.2024  
(54) A Playboard

(71) Memorial Sloan-Kettering Cancer Center  
(21) 2024219547 (22) 10.09.2024  
(54) IL-36 secreting immunoresponsive cells and uses thereof

(71) Memorial Sloan-Kettering Cancer Center  
(21) 2024219552 (22) 10.09.2024  
(54) IL-33 secreting immunoresponsive cells and uses thereof

(71) Merck Patent GmbH  
(21) 2024219446 (22) 06.09.2024  
(54) Combination therapy for cancer

(71) MKB Company, LLC; Huesker, Inc.  
(21) 2024219460 (22) 06.09.2024  
(54) Silt fence configured for capturing pollutants

(71) MORSE MICRO PTY. LTD.  
(21) 2024219408 (22) 05.09.2024  
(54) Compensation methods and devices for digital power amplifier

(71) Motorola Solutions, Inc.  
(21) 2024219339 (22) 03.09.2024  
(54) PORTABLE COMMUNICATION DEVICE WITH KNOB ROTATION LOCKING MECHANISM

(71) MTI Biotech, Inc.  
(21) 2024219449 (22) 06.09.2024  
(54) Compositions and methods of use of gamma-ketoaldehyde scavengers for treating, preventing or improving fibrosis of the liver

Nanotech Energy, Inc. see The Regents of the University of California

(21) 2024219379

(71) Nebolsin Vladimir Evgenievich; Ltd "Valenta-Intellekt"  
(21) 2024219477 (22) 06.09.2024  
(54) Novel glutaminyl cyclase inhibitors and the use thereof in treatment of various diseases

(71) Nebolsin Vladimir Evgenievich; Ltd "Valenta-Intellekt"  
(21) 2024219478 (22) 06.09.2024  
(54) Novel glutaminyl cyclase inhibitors and the use thereof in treatment of various diseases

(71) NeoGenix Biosciences Pty Ltd  
(21) 2024219482 (22) 06.09.2024  
(54) System for detecting sperm in azoospermic samples

(71) Network Integrity Systems, Inc  
(21) 2024219481 (22) 06.09.2024  
(54) INTRUSION DETECTION ALGORITHM WITH REDUCED TUNING REQUIREMENT

Ningbo Combireg Pharmaceutical Technology Co., Ltd see Shenzhen Salubris Pharmaceuticals Co. Ltd  
(21) 2024219393

(71) NTHALMIC HOLDING PTY LTD  
(21) 2024219372 (22) 04.09.2024  
(54) A Toric Design Method

(71) Nunhems B.V.  
(21) 2024219521 (22) 09.09.2024  
(54) Cucumber variety NUN 97080 CUL

(71) Ocado Innovation Limited  
(21) 2024219456 (22) 06.09.2024  
(54) Apparatus and method for charging a load handling device

Oeste, F. see Macdonald, J.  
(21) 2024219494

(71) Owens-Brockway Glass Container Inc.  
(21) 2024219406 (22) 05.09.2024  
(54) Stilling vessel for submerged combustion melter

(71) Owens-Brockway Glass Container Inc.  
(21) 2024219409 (22) 05.09.2024  
(54) Stilling vessel for submerged combustion melter

(71) Owens Corning Intellectual Capital, LLC  
(21) 2024219537 (22) 09.09.2024  
(54) Aqueous binder compositions

(71) Payapps Pty Ltd  
(21) 2024219479 (22) 06.09.2024  
(54) System and Method for Project Contract Management

(71) PayPal, Inc.  
(21) 2024219388 (22) 04.09.2024  
(54) Secure QR code based data transfers

Photon Robot (Ningbo) Co., Ltd. see Ji-angsu Sanjo Intelligent Technology Co., Ltd.  
(21) 2024219543

(71) Physio-Control, Inc.  
(21) 2024219530 (22) 09.09.2024  
(54) LIGHTING FOR MECHANICAL CPR DEVICE

(71) Pioneer Material Precision Tech Co., Ltd.  
(21) 2024219383 (22) 04.09.2024  
(54) UNDERWATER DEVICE

(71) Pioneer Material Precision Tech Co., Ltd.  
(21) 2024219385 (22) 04.09.2024  
(54) BIONIC ANIMAL

(71) Playable Pty Ltd  
(21) 2024219531 (22) 09.09.2024  
(54) System and Method for Algorithmic Editing of Video Content

(71) Potrero Medical, Inc.  
(21) 2024219427 (22) 05.09.2024  
(54) Systems, devices and methods for draining and analyzing bodily fluids and assessing health

(71) Premier Scaffolds Pty Ltd  
(21) 2024219420 (22) 05.09.2024  
(54) Electrically insulating scaffolding assembly and components therefor

(71) President and Fellows of Harvard College  
(21) 2024219447 (22) 06.09.2024  
(54) NUCLEOBASE EDITORS AND USES THEREOF

(71) PUTTSHACK LTD  
(21) 2024219522 (22) 09.09.2024  
(54) STANDALONE AND MULTIGAME MINIATURE GOLF STRUCTURE

Complete Applications Filed - Name Index cont'd

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(71) Qingdao Hairun Longtai Power Technology Co Ltd  
 (21) 2024219498 (22) 09.09.2024  
 (54) Complete no-load starting device of motor and application method thereof

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(71) RAI Strategic Holdings, Inc.  
 (21) 2024219458 (22) 06.09.2024  
 (54) Aerosol delivery device, and associated apparatus and method of formation thereof

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(71) RANKIN, G.  
 (21) 2024219435 (22) 05.09.2024  
 (54) BUCKLE FASTENING ACCESSORY, BUCKLE AND BRASSIERE

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(71) Redbiotec AG  
 (21) 2024219463 (22) 06.09.2024  
 (54) Means And Methods For Treating HSV

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Reilly, D. see Macdonald, J.  
 (21) 2024219494

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(71) ResMed Pty Ltd  
 (21) 2024219445 (22) 06.09.2024  
 (54) Remote configuration of a respiratory device

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(71) Resolve Therapeutics, LLC  
 (21) 2024219520 (22) 09.09.2024  
 (54) Optimized binuclease fusions and methods

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(71) Rhodes Pharmaceuticals L.P.  
 (21) 2024219439 (22) 05.09.2024  
 (54) PHARMACEUTICAL RESINATE COMPOSITIONS AND METHODS OF MAKING AND USING THEREOF

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(71) Rite-Hite Holding Corporation  
 (21) 2024219555 (22) 10.09.2024  
 (54) Apparatus For Tensioning Pliable Airducts While Supporting Internal HVAC Components

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(71) Russo Trading Company, Inc.  
 (21) 2024219432 (22) 05.09.2024  
 (54) CLEANING BRUSH

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(71) S&A Group Holdings Limited  
 (21) 2024219517 (22) 09.09.2024  
 (54) Biological control agent application device

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(71) Sage Therapeutics, Inc.  
 (21) 2024219523 (22) 09.09.2024

(54) C17, C20, and C21 substituted neuroactive steroids and their methods of use

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(71) Salera, D.  
 (21) 2024219495 (22) 08.09.2024  
 (54) PORTABLE BUILDING STRUCTURE

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(71) Salford Group Inc  
 (21) 2024219452 (22) 06.09.2024  
 (54) AIR-BOOM SPREADER FOR PARTICULATE MATERIAL

---

(71) Samsara Vision Ltd.  
 (21) 2024219558 (22) 10.09.2024  
 (54) Sulcus Fixation Frame

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(71) SAMSUNG ELECTRONICS CO., LTD.  
 (21) 2024219358 (22) 03.09.2024  
 (54) Electronic device with metal frame antenna

---

(71) Schlumberger Technology B.V.  
 (21) 2024219416 (22) 05.09.2024  
 (54) Automated drilling fluid analyzer

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(71) Schneider Electric (Australia) Pty Limited  
 (21) 2024219437 (22) 05.09.2024  
 (54) IMPROVEMENTS IN AN ELECTRICAL MODULE CONNECTOR AND SYSTEM

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(71) Shaanxi Huikang Bio-Tech Co., Ltd.  
 (21) 2024219442 (22) 06.09.2024  
 (54) CELL AUTOPHAGY COMPOSITION AND PREPARATION METHOD AND APPLICATION THEREOF

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(71) Shanghai LanHao Jiangsu Electric Co., Ltd.  
 (21) 2024219364 (22) 04.09.2024  
 (54) LUMINESCENT CABLE AND LIGHT-EMITTING DEVICE THEREFOR

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(71) Shenzhen Salubris Pharmaceuticals Co. Ltd; Ningbo Combireg Pharmaceutical Technology Co., Ltd  
 (21) 2024219393 (22) 04.09.2024  
 (54) PHARMACEUTICAL COMPOSITION OF DOCETAXEL CONJUGATE AND PREPARATION METHOD

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(71) Shifamed Holdings, LLC  
 (21) 2024219398 (22) 05.09.2024  
 (54) INTRAVASCULAR FLUID MOVEMENT DEVICES, SYSTEMS, AND METHODS OF USE

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(71) Simpson Strong-Tie A/S  
 (21) 2024219355 (22) 03.09.2024

(54) Methods for selecting, inspecting, and evaluating brackets and their fastening configurations in construction

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(71) Sino Iron Holdings Pty Ltd  
 (21) 2024219484 (22) 06.09.2024  
 (54) System and Method of Mining

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(71) Snap-on Incorporated  
 (21) 2024219399 (22) 05.09.2024  
 (54) Prybar foot attachment

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(71) SodaStream Industries Ltd.  
 (21) 2024219436 (22) 05.09.2024  
 (54) A CANISTER FOR A CARBONATION MACHINE

---

(71) South East Water Corporation  
 (21) 2024219562 (22) 10.09.2024  
 (54) SYSTEM AND METHOD FOR MONITORING SEWER WET WELL CONDITIONS

---

(71) Spark Therapeutics, Inc.  
 (21) 2024219508 (22) 09.09.2024  
 (54) RAB ESCORT PROTEIN POTENCY ASSAY

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(71) Star Scientific Limited  
 (21) 2024219369 (22) 04.09.2024  
 (54) COMPOSITIONS, METHODS, AND APPARATUSES FOR CATALYTIC COMBUSTION

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(71) Star Scientific Limited  
 (21) 2024219373 (22) 04.09.2024  
 (54) COMPOSITIONS, METHODS, AND APPARATUSES FOR CATALYTIC COMBUSTION

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(71) Storz & Bickel GmbH  
 (21) 2024219499 (22) 09.09.2024  
 (54) Vaporizer cooling unit

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(71) Stryker Corporation  
 (21) 2024219453 (22) 06.09.2024  
 (54) Metal detection system for use with medical waste container

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(71) Sustainability Innovations Pty Ltd  
 (21) 2024219473 (22) 06.09.2024  
 (54) Hemp based composite material and composite panel

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(71) SWIMC LLC  
 (21) 2024219345 (22) 03.09.2024  
 (54) Urethane acrylic hybrid polymer dispersion with robust dry/wet adhesion and basecoats prepared therefrom

Complete Applications Filed - Name Index cont'd

(71) Techtronic Cordless GP  
(21) 2024219415 (22) 05.09.2024  
(54) Lithium-ion battery cathode material

(71) THE BRIGHAM AND WOMEN'S HOSPITAL, INC.; THE GENERAL HOSPITAL CORPORATION  
(21) 2024219507 (22) 09.09.2024  
(54) AUTOMATED ANEUPLOIDY SCREENING USING ARBITRATED ENSEMBLES

(71) The Chinese University of Hong Kong; Grail, Inc.  
(21) 2024219557 (22) 10.09.2024  
(54) Methods and systems for tumor detection

The General Hospital Corporation see Dana-Farber Cancer Institute, Inc.  
(21) 2024219404

THE GENERAL HOSPITAL CORPORATION see THE BRIGHAM AND WOMEN'S HOSPITAL, INC.  
(21) 2024219507

(71) The Institute of Cancer Research: Royal Cancer Hospital; The Royal Marsden NHS Foundation Trust  
(21) 2024219534 (22) 09.09.2024  
(54) Coumarin derivative for therapy or prophylaxis of a cell proliferative disorder

(71) Theracell, LLC  
(21) 2024219510 (22) 09.09.2024  
(54) Demineralized bone fiber composition for augmentation of fixation

(71) The Regents of the University of California; Nanotech Energy, Inc.  
(21) 2024219379 (22) 04.09.2024  
(54) Methods for conductive adhesives based on graphene and applications thereof

(71) The Regents of the University of California; The Trustees of the University of Pennsylvania  
(21) 2024219380 (22) 04.09.2024  
(54) Adeno-associated virus virions with variant capsid and methods of use thereof

(71) The Regents of The University of California  
(21) 2024219397 (22) 05.09.2024  
(54) PRODUCTION OF BIOACTIVE OLIGOSACCHARIDES

(71) Thermal Wall Technologies, LLC  
(21) 2024219466 (22) 06.09.2024  
(54) WALL WITH PRE-BENT TUBING

The Royal Marsden NHS Foundation Trust see The Institute of Cancer Research: Royal Cancer Hospital  
(21) 2024219534

(71) THE SCRIPPS RESEARCH INSTITUTE  
(21) 2024219511 (22) 09.09.2024  
(54) Sulfur(VI) fluoride compounds and methods for the preparation thereof

The Trustees of the University of Pennsylvania see The Regents of the University of California  
(21) 2024219380

(71) The Trustees of The University of Pennsylvania  
(21) 2024219391 (22) 04.09.2024  
(54) Novel Adeno Associated Virus (AAV) Clade F Vector And Uses Therefor

(71) TMRW LIFE SCIENCES, INC.  
(21) 2024219470 (22) 06.09.2024  
(54) HANDLING AND TRACKING OF BIOLOGICAL SPECIMENS FOR CRYOGENIC STORAGE

(71) Topikos Scientific, Inc.  
(21) 2024219343 (22) 03.09.2024  
(54) Antimicrobial organosilanes

(71) Topikos Scientific, Inc.  
(21) 2024219352 (22) 03.09.2024  
(54) Antimicrobial organosilanes

(71) Toyo Cushion Lanka (Pvt) Ltd  
(21) 2024219528 (22) 09.09.2024  
(54) Waterproof biodegradable coir pot with natural special waterproof coating

(71) Transportation IP Holdings, LLC  
(21) 2024219472 (22) 06.09.2024  
(54) VEHICLE SENSOR SYSTEM

(71) Trina Solar Co., Ltd  
(21) 2024219505 (22) 09.09.2024  
(54) Transparent conductive contact passivation heterojunction solar cell and cell component

(71) Trina Solar Co., Ltd  
(21) 2024219509 (22) 09.09.2024

(54) Back contact solar cell and solar cell module

(71) Trina Solar Co., Ltd  
(21) 2024219512 (22) 09.09.2024  
(54) Hybrid heterojunction solar cell, cell component and preparation method

(71) University of Pittsburgh - Of the Commonwealth System of Higher Education  
(21) 2024219501 (22) 09.09.2024  
(54) EXTRACELLULAR MATRIX (ECM) HYDROGEL AS A SUBMUCOSAL FLUID CUSHION

(71) University of Pittsburgh - Of the Commonwealth System of Higher Education  
(21) 2024219502 (22) 09.09.2024  
(54) USE OF AN EXTRACELLULAR MATRIX (ECM) HYDROGEL AS AN ESOPHAGEAL SUBMUCOSAL FLUID CUSHION

(71) University of Pittsburgh - Of the Commonwealth System of Higher Education  
(21) 2024219503 (22) 09.09.2024  
(54) USE OF A URINARY BLADDER ECM HYDROGEL AS AN ESOPHAGEAL SUBMUCOSAL FLUID CUSHION

(71) UPL Ltd  
(21) 2024219526 (22) 09.09.2024  
(54) FERTILIZER COMPOSITIONS

(71) VDMS Canada Inc.  
(21) 2024219344 (22) 03.09.2024  
(54) Dispensing and live inventory management system and methods thereof

(71) Vitrafy Life Sciences Limited  
(21) 2024219387 (22) 04.09.2024  
(54) Method and system for controlling the processing of biological materials

(71) W. L. Gore & Associates, Inc.  
(21) 2024219561 (22) 10.09.2024  
(54) Sustained-release matrices for adventitial or periadventitial neural ablation and uses thereof

(71) W.M. Barr & Company, Inc.  
(21) 2024219422 (22) 05.09.2024  
(54) Encapsulated Fragrance In Compressed Tablet

(71) Wanbang Digital Energy Co., Ltd.; Jianguo Wanbang Energy Storage Technology Co., Ltd.  
(21) 2024219392 (22) 04.09.2024  
(54) CONTROL METHOD AND CONTROL DEVICE OF PHOTOVOLTAIC SYSTEM



## Complete Applications Filed - Name Index cont'd

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(71) Wanbang Digital Energy Co., Ltd.; Ji-  
angsu Wanbang Energy Storage Tech-  
nology Co., Ltd.

(21) 2024219540 (22) 09.09.2024

(54) DEVICE AND METHOD FOR  
SMOOTHING AND CONTROLLING  
POWER FLUCTUATION OF PHOTO-  
VOLTAIC ASSEMBLY AND PHOTO-  
VOLTAIC ENERGY STORAGE SYS-  
TEM

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(71) Watson, C.

(21) 2024219467 (22) 06.09.2024

(54) Ankle Dorsiflexion Mobility Remediation  
Device

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(71) Wilcox Industries Corp.

(21) 2024219394 (22) 04.09.2024

(54) Identification Friend Or Foe Apparatus

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(71) Wilson Wolf Manufacturing, LLC

(21) 2024219430 (22) 05.09.2024

(54) Improved methods of cell culture for ad-  
optive cell therapy

---

(71) Wonderland Switzerland AG

(21) 2024219551 (22) 10.09.2024

(54) Bassinet accessory for a playard

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(71) Xactware Solutions, Inc.

(21) 2024219514 (22) 09.09.2024

(54) Computer vision systems and methods  
for detecting and modeling features of  
structures in images

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**Yale University see Arvinas, Inc.**

(21) 2024219536

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(71) YETI COOLERS, LLC

(21) 2024219476 (22) 06.09.2024

(54) Container and latching system

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(71) Zhejiang Orient Gene Biotech Co., Ltd

(21) 2024219407 (22) 05.09.2024

(54) TEST DEVICE

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(71) Zurn Water, LLC

(21) 2024219363 (22) 04.09.2024

(54) Check valve assembly

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| <b>2024219340</b> | Huawei Technologies Co., Ltd.   | <b>2024219409</b> | Owens-Brockway Glass Container Inc.            |
| <b>2024219341</b> | Mansell, J.   | <b>2024219410</b> | Dolby International AB                         |
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| <b>2024219347</b> | Aristocrat Technologies, Inc.   | <b>2024219415</b> | Techtronic Cordless GP                         |
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| <b>2024219355</b> | Simpson Strong-Tie A/S  | <b>2024219421</b> | Fisher & Paykel Healthcare Limited             |
| <b>2024219357</b> | Brady Worldwide, Inc.   | <b>2024219422</b> | W.M. Barr & Company, Inc.                      |
| <b>2024219358</b> | SAMSUNG ELECTRONICS CO., LTD.   | <b>2024219423</b> | Joy Global Underground Mining LLC              |
| <b>2024219359</b> | Janssen Biotech, Inc.   | <b>2024219424</b> | GENODX PTY LTD                                 |
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| <b>2024219364</b> | Shanghai LanHao Jiangsu Electric Co., Ltd.  | <b>2024219428</b> | EVOBEND GmbH                                   |
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| <b>2024219367</b> | Dolby Laboratories Licensing Corporation  | <b>2024219431</b> | Lexmark International, Inc.                    |
| <b>2024219368</b> | Binding Solutions Ltd   | <b>2024219432</b> | Russo Trading Company, Inc.                    |
| <b>2024219369</b> | Star Scientific Limited   | <b>2024219433</b> | DoorDash Inc.                                  |
| <b>2024219370</b> | Compagnie Generale des Etablissements Michelin  | <b>2024219434</b> | Alnylam Pharmaceuticals, Inc.                  |
| <b>2024219371</b> | BUTCHER, P.   | <b>2024219435</b> | RANKIN, G.                                     |
| <b>2024219372</b> | NTHALMIC HOLDING PTY LTD  | <b>2024219436</b> | SodaStream Industries Ltd.                     |
| <b>2024219373</b> | Star Scientific Limited   | <b>2024219437</b> | Schneider Electric (Australia) Pty Limited     |
| <b>2024219374</b> | Barco N.V.  | <b>2024219438</b> | Lucid Circuit, Inc.                            |
| <b>2024219375</b> | Deere & Company   | <b>2024219439</b> | Rhodes Pharmaceuticals L.P.                    |
| <b>2024219377</b> | J & J Solutions & Innovations Pty Limited   | <b>2024219440</b> | Hysential Pty Ltd                              |
| <b>2024219378</b> | Dexcom, Inc.  | <b>2024219441</b> | Hysential Pty Ltd                              |
| <b>2024219379</b> | The Regents of the University of California; Nanotech Energy, Inc.                            | <b>2024219442</b> | Shaanxi Huikang Bio-Tech Co., Ltd.             |
| <b>2024219380</b> | The Regents of the University of California; The Trustees of the University of Pennsylvania   | <b>2024219443</b> | FISHER & PAYKEL HEALTHCARE LIMITED             |
| <b>2024219381</b> | IRP Health Pty Ltd  | <b>2024219444</b> | Chapman, W.                                    |
| <b>2024219382</b> | CGBio Co., Ltd.   | <b>2024219445</b> | ResMed Pty Ltd                                 |
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| <b>2024219384</b> | Freeport-McMoRan Inc.   | <b>2024219447</b> | President and Fellows of Harvard College       |
| <b>2024219385</b> | Pioneer Material Precision Tech Co., Ltd.   | <b>2024219448</b> | Licella Pty Ltd                                |
| <b>2024219386</b> | MasterCard International Incorporated   | <b>2024219449</b> | MTI Biotech, Inc.                              |
| <b>2024219387</b> | Vitrafy Life Sciences Limited   | <b>2024219450</b> | Big Dutchman International GmbH                |
| <b>2024219388</b> | PayPal, Inc.  | <b>2024219451</b> | GRIP HOLDINGS LLC                              |
| <b>2024219389</b> | Hunter Pacific International Pty Ltd  | <b>2024219452</b> | Salford Group Inc                              |
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| <b>2024219391</b> | The Trustees of The University of Pennsylvania  | <b>2024219454</b> | Children's Medical Center Corporation          |
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| <b>2024219397</b> | The Regents of The University of California   | <b>2024219460</b> | MKB Company, LLC; Huesker, Inc.                |
| <b>2024219398</b> | Shifamed Holdings, LLC  | <b>2024219462</b> | Dexcom, Inc.                                   |
| <b>2024219399</b> | Snap-on Incorporated  | <b>2024219463</b> | Redbiotec AG                                   |
| <b>2024219400</b> | International Business Machines Corporation   | <b>2024219464</b> | Ausmetec Pty Ltd                               |
| <b>2024219401</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  | <b>2024219465</b> | Ecole de technologie superieure                |
| <b>2024219402</b> | Dolby Laboratories Licensing Corporation  | <b>2024219466</b> | Thermal Wall Technologies, LLC                 |
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| <b>2024219406</b> | Owens-Brockway Glass Container Inc.   | <b>2024219469</b> | GeoTech Technologies Ltd.                      |
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|                   |   | <b>2024219476</b> | YETI COOLERS, LLC                              |

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| 2024219478 | Nebolsin Vladimir Evgenievich; Ltd "Valenta-Intellekt"  | 2024219544 | Fisher & Paykel Healthcare Limited  |
| 2024219479 | Payapps Pty Ltd   | 2024219545 | Koninklijke Nederlandse Akademie van Wetenschappen; HUB Organoids IP B.V.       |
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| 2024219481 | Network Integrity Systems, Inc  | 2024219547 | Memorial Sloan-Kettering Cancer Center  |
| 2024219482 | NeoGenix Biosciences Pty Ltd  | 2024219548 | IGT   |
| 2024219483 | Coulter Ventures LLC  | 2024219549 | IGT   |
| 2024219484 | Sino Iron Holdings Pty Ltd  | 2024219550 | ACCESS TO ADVANCED HEALTH INSTITUTE   |
| 2024219485 | Acres Technology  | 2024219551 | Wonderland Switzerland AG   |
| 2024219486 | DexYP   | 2024219552 | Memorial Sloan-Kettering Cancer Center  |
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| 2024219488 | Majkic, B.  | 2024219554 | Exsomed Corporation   |
| 2024219489 | Inova Diagnostics, Inc.   | 2024219555 | Rite-Hite Holding Corporation   |
| 2024219490 | LEE, T.W.   | 2024219556 | eGenesis, Inc.  |
| 2024219491 | Bespak Europe Limited   | 2024219557 | The Chinese University of Hong Kong; Grail, Inc.                                |
| 2024219492 | Johns, D.   | 2024219558 | Samsara Vision Ltd.   |
| 2024219493 | LG Electronics Inc.   | 2024219559 | BGC Partners, Inc.  |
| 2024219494 | Macdonald, J.; Oeste, F.; Elsworth, C.; Reilly, D.  | 2024219561 | W. L. Gore & Associates, Inc.   |
| 2024219495 | Salera, D.  | 2024219562 | South East Water Corporation  |
| 2024219496 | BioNTech SE   | 2024219563 | Howmedica Osteonics Corp.   |
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| 2024219502 | University of Pittsburgh - Of the Commonwealth System of Higher Education                       |            |   |
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| 2024219513 | Adobe Inc.  |            |   |
| 2024219514 | Xactware Solutions, Inc.  |            |   |
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| 2024219528 | Toyo Cushion Lanka (Pvt) Ltd  |            |   |
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| 2024219533 | L3Harris Technologies, Inc.   |            |   |
| 2024219534 | The Institute of Cancer Research: Royal Cancer Hospital; The Royal Marsden NHS Foundation Trust |            |   |
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| 2024219536 | Arvinas, Inc.; Yale University  |            |   |
| 2024219537 | Owens Corning Intellectual Capital, LLC   |            |   |
| 2024219538 | GEA TDS GmbH  |            |   |
| 2024219539 | Kerpower UK Ltd   |            |   |
| 2024219540 | Wanbang Digital Energy Co., Ltd.; Jiangsu Wanbang Energy Storage Technology Co., Ltd.           |            |   |
| 2024219541 | Incaendium Initiative Corporation   |            |   |

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

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

The codes next to each number have the following meanings:

| <b>Code</b> | <b>Meaning</b>   |
|-------------|--|
| 1           | Application Lapsed Section 142(2)(a)   |
| 3           | Application Lapsed Section 142(2)(c)   |
| 4           | Application Lapsed Section 142(2)(d)   |
| 5           | Application Lapsed Section 142(2)(e)   |
| 6           | Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)   |
| 7           | Application Lapsed Reg. 3.2A(3)/Reg. 3.2C  |
| 8           | Application Lapsed Reg. 3.4(6)   |
| 9           | Application Lapsed Section 142(3)  |
| 11          | Application Lapsed Section 148(1)(c)   |
| 12          | Application Withdrawn Section 141(1)   |
| 13          | Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)                           |
| 14          | Patent Ceased Section 143(a), or Expired   |
| 15          | Patent Ceased Section 143(b)   |
| 16          | Application Refused  |
| 17          | Application Lapsed Reg. 22.2B(2)   |
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| 20          | Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)   |
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| 23          | Patent Ceased Section 143A(e)  |
| 24          | Application Lapsed Reg. 22.2E(2)   |
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| 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                                   |
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 2017224431 ( 14 ) 2017224438 ( 14 ) 2017224843 ( 4C )  
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 2017226696 ( 14 ) 2017226697 ( 14 ) 2017227235 ( 14 )  
 2017227406 ( 14 ) 2017227407 ( 14 ) 2017227409 ( 14 )  
 2017227410 ( 14 ) 2017227411 ( 14 ) 2017227412 ( 14 )  
 2017227413 ( 14 ) 2017227414 ( 14 ) 2017228596 ( 14 )  
 2017228829 ( 14 ) 2017231108 ( 14 ) 2017235935 ( 14 )  
 2017245482 ( 14 ) 2017252992 ( 14 ) 2017252993 ( 14 )  
 2017257785 ( 5C ) 2017293937 ( 5C ) 2017296468 ( 14 )  
 2017296469 ( 14 ) 2017297622 ( 5C ) 2017331514 ( 5C )  
 2017385959 ( 5C ) 2017399773 ( 14 )

**2018**

2018100224 ( 22E ) 2018100238 ( 22E ) 2018100456 ( 22 )  
 2018100570 ( 22 ) 2018101033 ( 22 ) 2018201311 ( 4D )  
 2018201428 ( 14 ) 2018203431 ( 5C ) 2018211235 ( 14 )  
 2018223212 ( 4C ) 2018223224 ( 4C ) 2018223826 ( 14 )  
 2018224040 ( 4C ) 2018225185 ( 14 ) 2018225322 ( 4C )  
 2018225389 ( 14 ) 2018225390 ( 14 ) 2018225650 ( 14 )  
 2018225833 ( 4C ) 2018226337 ( 14 ) 2018226340 ( 14 )  
 2018227093 ( 4C ) 2018227428 ( 4C ) 2018228651 ( 14 )  
 2018229197 ( 4C ) 2018229567 ( 5C ) 2018232727 ( 5C )  
 2018233027 ( 5C ) 2018265974 ( 14 ) 2018267656 ( 5C )  
 2018271397 ( 5C ) 2018273505 ( 14 ) 2018278967 ( 14 )  
 2018296799 ( 5C ) 2018331407 ( 5C ) 2018335391 ( 5C )  
 2018350092 ( 5C ) 2018351475 ( 5C ) 2018351670 ( 5C )  
 2018354181 ( 5C ) 2018355427 ( 5C ) 2018363890 ( 5C )  
 2018365469 ( 5C ) 2018366221 ( 5C ) 2018367880 ( 5C )  
 2018370156 ( 5C ) 2018372705 ( 5C ) 2018397049 ( 5C )  
 2018409699 ( 14 )

**2019**

2019100201 ( 22E ) 2019100205 ( 22E ) 2019100223 ( 22 )  
 2019100934 ( 22 ) 2019101368 ( 22 ) 2019201304 ( 4C )  
 2019201309 ( 14 ) 2019201330 ( 4C ) 2019201331 ( 4C )  
 2019201338 ( 4C ) 2019201339 ( 4C ) 2019201341 ( 4C )  
 2019201343 ( 4C ) 2019201348 ( 4C ) 2019202646 ( 25D )  
 2019209444 ( 5C ) 2019212070 ( 5C ) 2019223083 ( 4C )  
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 2019224051 ( 4C ) 2019224087 ( 4C ) 2019224354 ( 4C )  
 2019224608 ( 4C ) 2019225229 ( 4C ) 2019225251 ( 4C )  
 2019225454 ( 4C ) 2019225991 ( 14 ) 2019226144 ( 14 )  
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 2019229256 ( 4C ) 2019233779 ( 14 ) 2019235504 ( 14 )  
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 2019357558 ( 14 ) 2019375583 ( 14 ) 2019431265 ( 4C )  
 2019431661 ( 14 ) 2019466557 ( 1B ) 2019472233 ( 5C )

**2020**

2020100255 ( 22E ) 2020100284 ( 22E ) 2020100287 ( 22E )  
 2020200129 ( 14 ) 2020200551 ( 14 ) 2020200924 ( 14 )  
 2020201265 ( 14 ) 2020201326 ( 4A ) 2020201359 ( 4B )  
 2020201434 ( 14 ) 2020201435 ( 14 ) 2020201546 ( 14 )  
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 2020347902 ( 1B ) 2020347959 ( 1B ) 2020348365 ( 1B )  
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 2020349691 ( 1B ) 2020349708 ( 1B ) 2020349991 ( 1B )  
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 2020468291 ( 5C )

**2021**

2021101036 ( 22E ) 2021101037 ( 22E ) 2021101044 ( 22E )  
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 2021201893 ( 5C ) 2021201953 ( 5C ) 2021202478 ( 5C )  
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 2021253502 ( 5C ) 2021257419 ( 25D ) 2021273515 ( 5C )  
 2021273587 ( 4C ) 2021273652 ( 5C ) 2021281283 ( 12A )  
 2021281365 ( 12A ) 2021357519 ( 5C ) 2021359240 ( 5C )  
 2021390534 ( 12A ) 2021397054 ( 5C ) 2021414045 ( 5C )  
 2021415164 ( 5C ) 2021416527 ( 5C ) 2021435561 ( 5C )

**2022**

2022200027 ( 4C ) 2022200086 ( 5C ) 2022200122 ( 4C )  
 2022200553 ( 4C ) 2022200717 ( 4C ) 2022200825 ( 5C )  
 2022201224 ( 4C ) 2022201903 ( 5C ) 2022202308 ( 5C )  
 2022202471 ( 5C ) 2022202496 ( 5C ) 2022202824 ( 5C )  
 2022202911 ( 5C ) 2022202999 ( 4C ) 2022203151 ( 5C )  
 2022204257 ( 5C ) 2022204432 ( 5C ) 2022204524 ( 5C )  
 2022205203 ( 4D ) 2022205272 ( 5C ) 2022209344 ( 5C )

2022215167 ( 5C ) 2022218588 ( 4C ) 2022218589 ( 5C )  
 2022221379 ( 5C ) 2022221401 ( 5C ) 2022231705 ( 5C )  
 2022256121 ( 5C ) 2022259700 ( 4C ) 2022259843 ( 4C )  
 2022275428 ( 5C ) 2022275523 ( 4C ) 2022283684 ( 5C )  
 2022287625 ( 5C ) 2022291606 ( 5C )

**2023**

2023200055 ( 5C ) 2023200286 ( 5C ) 2023200698 ( 5C )  
 2023200841 ( 5C ) 2023200925 ( 5C ) 2023201078 ( 4C )  
 2023203556 ( 12AN ) 2023203693 ( 5CN ) 2023204601 ( 5CN )  
 2023208072 ( 5CN ) 2023208172 ( 5CN ) 2023208217 ( 5CN )  
 2023219867 ( 4C ) 2023226662 ( 4C ) 2023239435 ( 12A )  
 2023255054 ( 4C ) 2023282171 ( 4B ) 2023902838 ( 12AN )  
 2023902907 ( 12AN )

**2024**

2024204086 ( 1B ) 2024204194 ( 1B ) 2024204527 ( 7CN )  
 2024204553 ( 7AN )

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

**2023**

2023229496 **M.R Innovations Limited** Provisional Number:  
 2023904261

**Assignments before Grant, Section 113**

**2018**

2018297986 Stoller Enterprises, Inc. The application has been assigned to **Corteva Agriscience LLC**

2018371655 National University Hospital (Singapore) Pte Ltd; National University of Singapore The application has been assigned to **IRNOVATE PTE LTD; National University Hospital (Singapore) Pte Ltd; National University of Singapore**

**2019**

2019202210 Coalfields Engineering Pty Ltd The application has been assigned to **SoilPro Pty Ltd**

2019232781 Integrated Access Designs (Australia) Pty Ltd (in Liquidation) The application has been assigned to **TNBT Holdings Pty Ltd**

2019253023 Zogenix, Inc. The application has been assigned to **UCB Biosciences, Inc.**

2019261943 Stoller Enterprises, Inc. The application has been assigned to **Corteva Agriscience LLC**

2019267011 CIS Pharma AG The application has been assigned to **CIS Biopharma AG**

**2020**

2020230753 Asymptote Ltd The application has been assigned to **Biosafe SA**

2020250252 Paloma Co., Ltd The application has been assigned to **Paloma Rheem Holdings Co., Ltd.**

**Assignments before Grant, Section 113**

2020259907 Culley, Troy The application has been assigned to **K R CULLEY PTY LTD**

2020273289 Integrated Access Designs (Australia) Pty Ltd (in Liquidation) The application has been assigned to **TNBT Holdings Pty Ltd**

2020332806 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2020334060 Zogenix, Inc. The application has been assigned to **UCB Biosciences, Inc.**

2020346037 Boart Longyear Company; Global Tech Corporation Pty Ltd. The application has been assigned to **Veracio Ltd.; Global Tech Corporation Pty Ltd.**

2020359639 Adaptive Phage Therapeutics, Inc. The application has been assigned to **Adaptive Phage Therapeutics, LLC**

2020368461 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

**2021**

2021209608 Genzyme Corporation The application has been assigned to **Principia Biopharma Inc.**

2021219048 Boart Longyear Company; Globaltech Corporation Pty Ltd. The application has been assigned to **Veracio Ltd.; Globaltech Corporation Pty Ltd.**

2021219343 Globaltech Corporation Pty Ltd; Boart Longyear Company The application has been assigned to **Globaltech Corporation Pty Ltd; Veracio Ltd.**

2021225223 Paloma Co., Ltd. The application has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2021253751 Cook Biotech Incorporated The application has been assigned to **C2Dx, Inc.**

2021307262 Hoya Corporation The application has been assigned to **HOYA Medical Singapore Pte. Ltd.**

2021329128 Hoya Corporation The application has been assigned to **HOYA Medical Singapore Pte. Ltd.**

2021378300 Boart Longyear Company; DECISION TREE, LLC The application has been assigned to **Veracio Ltd.; DECISION TREE, LLC**

2021379089 NOVY INVEST The application has been assigned to **Novy NV**

2021386382 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2021386762 TURUN YLIOPISTO The application has been assigned to **Precordior Oy**

**Assignments before Grant, Section 113**

2021398051 GENZYME CORPORATION The application has been assigned to **Principia Biopharma Inc.**

2021409575 GENZYME CORPORATION The application has been assigned to **Principia Biopharma Inc.**

**2022**

2022200370 McNeil-PPC, Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2022283610 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2022287605 Culley, Troy The application has been assigned to **K R CULLEY PTY LTD**

2022290946 GENZYME CORPORATION The application has been assigned to **Principia Biopharma Inc.**

2022291783 ZOGENIX, INC. The application has been assigned to **UCB Biosciences, Inc.**

2022346603 ALBMARSERG INVERSIONES,SL The application has been assigned to **NORDEN ALU TECHNOLOGY, S.L.**

2022346793 PPG INDUSTRIES OHIO, INC. The application has been assigned to **PPG Advanced Surface Technologies, LLC**

2022376934 ALCON RESEARCH, LLC; Alcon Inc. The application has been assigned to **Alcon Inc.**

**2023**

2023200718 HAVRILOV, Anton; OVCHARYK, Ivan; KHODAKOV, Kostiantyn; PAVELKO, Taras The application has been assigned to **AJAX SYSTEMS CYPRUS HOLDINGS LTD**

2023201031 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2023202016 Near Intelligence Holdings, Inc. The application has been assigned to **Azira LLC**

2023202856 Paloma Co., Ltd. The application has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2023206209 Boart Longyear Company; Globaltech Corporation Pty Ltd The application has been assigned to **Veracio Ltd.; Globaltech Corporation Pty Ltd**

2023221821 GUO, Qiaoshi The application has been assigned to **SEMITRI PTY LTD**

2023222973 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2023254947 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

**Assignments before Grant, Section 113**

2023902692 The Walter and Eliza Hall Institute of Medical Research The application has been assigned to **Australian Red Cross Society; The Walter and Eliza Hall Institute of Medical Research**

2023904000 Culley, Troy The application has been assigned to **K R CULLEY PTY LTD**

**2024**

2024200635 Boart Longyear Company The application has been assigned to **Veracio Ltd.**

2024900739 Blazley, Wade The application has been assigned to **Solspan Pty Ltd**

2024900741 Blazley, Wade The application has been assigned to **Solspan Pty Ltd**

**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.

**2011**

2011257942 **A.C.N. 166 970 627 Pty Ltd** An application to extend the time from 09 Feb 2024 to 09 Sep 2024 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

**2014**

2014200776 **INTAKS IP LIMITED** An application to extend the time from 14 Feb 2024 to 14 Sep 2024 in which to pay a renewal fee has been filed . Address for service - THELOFT.LEGAL PTY LTD 58 Riviera Avenue Terrigal NSW 2260 AU

**2016**

2016280858 **Estetra SRL** An application to extend the time from 17 Jun 2023 to 17 Jun 2024 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

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

**2014**

2014207316 **Innara Health, Inc.** The time in which to pay a renewal fee has been extended to 21 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2016**

2016256793 **SALS INVENTION PTY LTD** The time in which to pay a renewal fee has been extended to 11 Jun 2024 . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

2016366970 **Robotic Lawn Care Sweden AB** The time in which to pay a renewal fee has been extended to 23 Jun 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**Extensions of Time, Section 223**

**2017**

2017237260 **Enhancer Pro, Inc.** The time in which to pay a renewal fee has been extended to 27 Apr 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017324983 **Saksin Lifesciences Pvt Ltd; University of Toronto**

The time in which to pay a continuation fee has been extended to 07 Apr 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017410499 **Sino-Telecom Technology Co., Inc** The time in which to pay a renewal fee has been extended to 28 Jun 2024 . Address for service - Remarkable IP PO Box 207 Queenstown Otago 9348 NZ

**2020**

2020309832 **BajaBoard International Pty Ltd** The time in which to request examination has been extended to 16 Jul 2024 . Address for service - BajaBoard International Pty Ltd PO Box 733 Macleod West VIC 3085 AU

**2021**

2021102635 **Virtual IT Group Pty Ltd** The time in which to pay a continuation fee has been extended to 17 Apr 2024 . Address for service - Kyle Bridge 14-18 Auburn St Wollongong NSW 2500 AU

2021106435 **Violeta Bec** The time in which to pay a renewal fee has been extended to 22 Mar 2024 . Address for service - Violeta Bec 17 Vivian St Bexley NSW 2207 AU

2021336683 **Google LLC** The time in which to pay the acceptance fee has been extended to 02 Sep 2024 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2024**

2024203487 **Acres Technology** The time in which to request examination has been extended to 06 Sep 2024 . Address for service - Golja Haines & Friend PO Box 1014 South Perth WA 6951 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.

**2018**

2018250163 Microfluidic diffusion devices and systems, and methods of manufacturing and using same **The Government of the United States of America as represented by the Department of Veterans Affairs** The nature of the amendment is as shown in the statement(s) filed 22 Aug 2024 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2018326627 Nicking and extension amplification reaction (near) of respiratory syncytial virus species **Ionian Technologies, LLC** The

**Amendments**

nature of the amendment is as shown in the statement(s) filed 03 Sep 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2018350980 CONDENSED IMIDAZOLE DERIVATIVES SUBSTITUTED BY TERTIARY HYDROXY GROUPS AS PI3K-Y GAMMA INHIBITORS **Incyte Corporation** The nature of the amendment is as shown in the statement(s) filed 06 Sep 2024 . Address for service - Houlihan Intellectual Property Pty Ltd 832 High St Kew East VIC 3102 AU

2018355224 Autonomous waste collection assembly and medical waste collection system and methods **Stryker Corporation** The nature of the amendment is as shown in the statement(s) filed 04 Sep 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2019**

2019240335 Deuterated analogs of elacridar **Izumi Technology, Llc** , The nature of the amendment is as shown in the statement(s) filed 26 Aug 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020250316 A portable explosion-resistant gas stove **Maxsun (Dalian) Co., Ltd** The nature of the amendment is as shown in the statement(s) filed 06 Aug 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020269377 Fast-forward sequencing by synthesis methods **Ultima Genomics, Inc.** The nature of the amendment is as shown in the statement(s) filed 30 Aug 2024 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2020289708 Isolation of fetal cells using FACS **ARCEDI Biotech ApS** The nature of the amendment is as shown in the statement(s) filed 29 Aug 2024 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2020325457 UPLINK SUMMATION METHOD AND DEVICE, AND DISTRIBUTED ANTENNA SYSTEM **Sunwave Communications Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 13 Aug 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

**2021**

2021236442 METHODS AND SYSTEMS FOR RAPID DETECTION OF MICROORGANISMS USING RECOMBINANT BACTERIOPHAGE **Laboratory Corporation of America Holdings** The nature of the amendment is as shown in the statement(s) filed 07 Aug 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2021266291 Allele-specific amplification using a composition of overlapping non-allele-specific primer and allele-specific blocker oligonucleotides **William Marsh Rice University** The nature of the amendment is as shown in the statement(s) filed 04 Sep 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021317552 A PRODRUG OF A HEXAHYDRO-β-ACID COMPOUND, FEED COMPOSITION THEREOF, AND USE THEREOF **WISORIG TECHNOLOGIES PTE. LIMITED** The nature of the



**Amendments**

amendment is as shown in the statement(s) filed 02 Sep 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

**2022**

2022206799 A disposable sleeve having an antimicrobial property for covering an arm of a pair of spectacles **Edye Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 10 Sep 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022214112 MAIN DRIVE SHAFT OR DEFLECTION SHAFT OF AN ESCALATOR OR MOVING WALKWAY **INVENTIO AG** The nature of the amendment is as shown in the statement(s) filed 03 Sep 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

202221534 A HOOKAH DEVICE **Shaheen Innovations Holding Limited** The nature of the amendment is: Delete inventor BHATTI, Sajid . Address for service - HENRY HUGHES IP LTD PO Box 356 Wellington 6140 NZ

202221536 A HOOKAH DEVICE **Shaheen Innovations Holding Limited** The nature of the amendment is: Delete inventor BHATTI, Sajid . Address for service - HENRY HUGHES IP LTD PO Box 356 Wellington 6140 NZ

2022231694 Methods and compositions for maintaining the conformation and structural integrity of biomolecules **Tissuegen, Inc.** The nature of the amendment is: DELETE: Griffin, Nickolas B.; Hubbard, Paul A.; Crow, Brent B. AND Nelson, Kevin D.; CORRECT: Lynn Seifert, Jennifer TO READ: Seifert, Jennifer L. ; ADD: Zarzycki, Ryszard OR-DER NAMES: Sood, Paul R. Patel, Alpeshkumar P. Seifert, Jennifer L. Zarzycki, Ryszard . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2022275402 Systems and methods for adding a design element to a design **Canva Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 28 Aug 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2022287570 Inhalation device with integrated electronics module **Norton (Waterford) Limited** The nature of the amendment is as shown in the statement(s) filed 08 Aug 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Amendments Made**

**2016**

2016259357 **Azuma Design Pty Limited** The nature of the amendment is as shown in the statement(s) filed 24 May 2024

**2017**

2017245601 **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statement(s) filed 18 Mar 2024 and 16 May 2024

**2018**

2018210388 **GeNeuro SA; The United States of America, as represented by the Secretary, Department of Health and Human Ser-**

**Amendments**

**vices** The nature of the amendment is as shown in the statement(s) filed 14 Jun 2024

2018227849 **Achillion Pharmaceuticals, Inc.** The nature of the amendment is: Amend the invention title to read ARYL, HETEROARYL, AND HETEROCYCLIC PHARMACEUTICAL COMPOUNDS FOR TREATMENT OF MEDICAL DISORDERS

2018234640 **Juno Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Jun 2024

2018379801 **Tokamak Energy Ltd** The nature of the amendment is as shown in the statement(s) filed 13 Jun 2024

2018395057 **Perimetrics, Inc.** The nature of the amendment is as shown in the statement(s) filed 23 May 2024

**2020**

2020273162 **Black Tulip Management, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 May 2024

2020277237 **EGRS Technology Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Kraemer, Ian; Thiel, David and Espinosa, Hugo

2020281026 **Miles, S.** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 04 Jul 2024

2020291420 **Senseion Therapeutics, Inc.; Washington University; University of Iowa Research Foundation** The nature of the amendment is: Amend the name of the inventor to read SAH, Rajan; KERNS, Robert; CHHEDA, Pratik and LERNER, Daniel

2020342796 **Genelec Oy** The nature of the amendment is as shown in the statement(s) filed 19 Apr 2024

2020349493 **Biomarin Pharmaceutical Inc.** The nature of the amendment is: Amend the name of the inventor to read WENDT, Daniel J.; BERGUIG, Geoffrey; ESTRADA, Karol; LEBOWITZ, Jonathan and MOSS, Jason Alan

2020370063 **Alairion, Inc.** The nature of the amendment is: Amend the invention title to read 3-(4-(11H-dibenzo[b,e][1,4]azepin-6-yl)piperazin-1-yl)- and 3-(4-(dibenzo[b,f][1,4]oxazepin/thiazepin/diazepin-11-yl)piperazin-1-yl)-propanoic acid derivatives as H1 and 5-HT2A-receptor modulators for the treatment of sleep disorders

2020394461 **CERATIZIT Luxembourg S.à.r.l** The nature of the amendment is as shown in the statement(s) filed 13 Jun 2024

2020442446 **Jarvis Products Corporation** The nature of the amendment is as shown in the statement(s) filed 24 Apr 2024

2020475251 **TRIAGENICS, INC.** The nature of the amendment is as shown in the statement(s) filed 11 Apr 2024

**2021**

2021281910 **GeneMatrix Inc.** The nature of the amendment is as shown in the statement(s) filed 11 Apr 2024

**Amendments**

**2022**

2022202403 **Achillion Pharmaceuticals, Inc.** The nature of the amendment is: Amend the invention title to read ARYL, HETEROARYL, AND HETEROCYCLIC PHARMACEUTICAL COMPOUNDS FOR TREATMENT OF MEDICAL DISORDERS

2022252122 **NORTHROP GRUMMAN SYSTEMS CORPORATION** The nature of the amendment is as shown in the statement(s) filed 30 Aug 2024

2022440526 **NGK INSULATORS, LTD.** The nature of the amendment is: Amend the invention title to read Mixed Gas Separation Apparatus, Mixed gas separation Method, and Membrane Reactor

2022446867 **NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read RAILWAY WHEEL, AND WHEELSET FOR RAILWAY VEHICLES

2022454738 **TENIAS HARVESTER, S.L.** The nature of the amendment is: Amend the name of the inventor to read TENIAS SANCHO, JESÚS

**2023**

2023200369 **F. HOFFMANN-LA ROCHE AG** The nature of the amendment is: Amend the name of the inventor to read KOEHLER, Michael Friedrich Thomas; SMITH, Peter Andrew; WINTER, Dana; SOW, Boubacar; STURINO, Claudio; PELLETIER, Guillaume; BOUDREAU, Jonathan and ROY, Stéphanie

2023201686 **Canva Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 03 Jun 2024

2023201900 **Systems IP Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 29 May 2024

2023201901 **Systems IP Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 29 May 2024

2023209446 **APPLE INC.** The nature of the amendment is: Amend the name of the inventor to read CHIU, Shih-Sang; BOESEL, Benjamin H.; PERRON, Jonathan; LEMAY, Stephen O.; MCKENZIE, Christopher D.; DARGAN, Dorian D.; RAVASZ, Jonathan; OLSON, Earl M.; ESTANY RODRIGUEZ, Miquel; EDUARTE, Wendy F.; SORRENTINO III, William A.; PASTRANA VICENTE, Israel; HYLAK, Benjamin; GITTER, Nathan; OWEN, James J.; TAYLOR, Zoey C.; SMITH, Connor A.; LEE, Kevin and BAUERLY, Kristi E.

2023211063 **DEMATIC CORP.** The nature of the amendment is: Amend the name of the inventor to read FIKE, Rustin; COLE, Veronique; GERMAN, Harry Thad; SZEBELLEDY, Laszlo T.; STICKLAND, William R. and LEEK, Dean

2023216578 **METAWATER CO., LTD.** The nature of the amendment is: Amend the invention title to read WASTEWATER TREATMENT APPARATUS AND WASTEWATER TREATMENT METHOD

2023223748 **BREVILLE PTY LIMITED** The nature of the amendment is: Amend the name of the inventor to read WOODCOCK, Jonathan Mark; WHITE, Gerard Andrew; DARBY, Peter Conrad; HWANG, Han Young and CORKIN, Raymond George

**Amendments**

2023228072 **KOKUNET TEKNOLOJI ANONIM ŞİRKETİ** The nature of the amendment is: Amend the name of the inventor to read LACIN, Tolga; FAWKES, David Henley; WILLIAMSON, William James and RENFREW, Bruce James

2023232217 **SHANGHAI LONGVAULT ENERGY TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the name of the inventor to read MA, Zhiqi and HAN, Zhijie

2023232217 **SHANGHAI LONGVAULT ENERGY TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read Flow battery stack or single cell, membrane-electrode assembly and composite electrode structure thereof

2023245348 **HANGZHOU HIGHLIGHTLL PHARMACEUTICAL CO., LTD** The nature of the amendment is as shown in the statement filed 28 Aug 2024

2023274071 **MICRO CURRENT TECHNOLOGY, INC.** The nature of the amendment is as shown in the statement(s) filed 29 May 2024

2023298259 **MITSUBISHI GAS CHEMICAL COMPANY, INC.** The nature of the amendment is: Amend the invention title to read Method for producing methanol and methanol production apparatus

**2024**

2024201826 **Achillion Pharmaceuticals, Inc.** The nature of the amendment is: Amend the invention title to read ARYL, HETEROARYL, AND HETEROCYCLIC PHARMACEUTICAL COMPOUNDS FOR TREATMENT OF MEDICAL DISORDERS

2024203120 **Carver Edison, Inc.** The nature of the amendment is: Application is to proceed under the number 2024100032

2024204901 **Igin Smart Hygiene Ltd** The nature of the amendment is: Amend the invention title to read A replaceable glove cartridge for a glove device for putting sterile gloves on hands

2024216301 **Takeda Pharmaceutical Company Limited** The nature of the amendment is: Amend the priority details to add divisional 2023200572

2024902540 **Schroeder, N.** The nature of the amendment is: Amend the invention title to read N96 EcoBlend Coffee Powder Composite Panel

2024902819 **Ausplow Pty. Ltd.** The nature of the amendment is: Amend the name of the inventor to read LOVELL, Brett Forbes; WOODE, Richard Alec and RYAN, John William

**Amendments Withdrawn**

**2018**

2018404905 **Winplus Co., Ltd.** The amendments dated 19 Apr 2024 have been withdrawn.

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

**2006**

2006222314 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**Amendments****2008**

2008291827 Performance Plants, Inc. The name of the patentee has been altered to **Performance Plants Inc.**

**2009**

2009243759 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2013**

2013283375 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2013346978 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2014**

2014317213 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2014345595 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2014375265 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2015**

2015222102 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2015276313 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2015289246 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2015294103 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2015306261 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2016**

2016302436 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2016310221 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2017**

2017216079 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2017251155 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**Amendments**

2017272505 Bayer Pharma Aktiengesellschaft; Bayer Animal Health GmbH The name of the patentee has been altered to **Bayer Pharma Aktiengesellschaft; Elanco Animal Health GmbH**

2017301528 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2017357503 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

**2018**

2018222615 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2018257582 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2018293627 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2018311019 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2018313306 Theracell, Inc. The name of the applicant has been altered to **Theracell, LLC**

2018325290 Biogents AG The name of the applicant has been altered to **BIOGENTS AG**

2018382419 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2018382999 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2018385256 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2018385257 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

**2019**

2019232830 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019232905 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019232906 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019236632 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019236635 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

**Amendments**

2019266511 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2019283802 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019349429 salesforce.com, inc. The name of the applicant has been altered to **Salesforce, Inc.**

2019350675 Obalon Therapeutics, Inc. The name of the applicant has been altered to **RESHAPE LIFESCIENCES INC.**

**2020**

2020219377 Theracell, Inc. The name of the applicant has been altered to **Theracell, LLC**

2020256374 Wellen Pty Ltd The name of the applicant has been altered to **ABBE NSW PTY LTD**

2020291420 Washington University; University of Iowa Research Foundation The name of the applicant has been altered to **Senseion Therapeutics, Inc.; Washington University; University of Iowa Research Foundation**

2020362341 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2020374923 Institute of Materia Medica, Chinese Academy of Chinese Medical Sciences The name of the applicant has been altered to **Institute of Materia Medica, Chinese Academy of Medical Sciences**

2020392123 VIVIFY MEDICAL, INC. The name of the applicant has been altered to **VIVIFI MEDICAL, INC.**

**2021**

2021214719 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2021221593 Wellen Pty Ltd The name of the applicant has been altered to **ABBE NSW PTY LTD**

2021245330 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2021253168 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2021254515 Bayer Animal Health GmbH The name of the patentee has been altered to **Elanco Animal Health GmbH**

2021258686 JX Nippon Mining & Metals Corporation The name of the patentee has been altered to **JX Metals Corporation**

2021300174 Hillstream Biopharma Inc. The name of the applicant has been altered to **Tharimmune, Inc.**

2021903857 Western Sydney Local Health Network; The University of Sydney; The Westmead Institute for Medical Research The name of the applicant has been altered to **Western Sydney Local Health Dis-**

**Amendments**

**trict; The University of Sydney; The Westmead Institute for Medical Research**

**2022**

2022257127 GUANGZHOU SHIYUAN ELECTRONICS CO., LTD.; GUANGZHOU SHIRUI ELECTRONICS CO., LTD. The name of the applicant has been altered to **Guangzhou Shiyuan Electronic Technology Company Limited; GUANGZHOU SHIRUI ELECTRONICS CO., LTD.**

2022440631 TRIATHLON AUSTRALIA LTD; AUSTRALIAN SPORTS COMMISSION The name of the applicant has been altered to **AUSTRALIAN SPORTS COMMISSION; AUSTRIATHLON LTD**

**2023**

2023219172 ACADEMICA SINICA The name of the applicant has been altered to **ACADEMIA SINICA**

2023220093 EXTRACT MANAGEMENT COMPANY, LLC ; Terry Wayne SHAFER; James Owen RHYS-DAVIES The name of the applicant has been altered to **Extract Management Company, LLC**

2023224213 Robert VIDLUND; Mark CHRISTIANSON; Craig EK-VALL; Cameron VIDLUND; David HOLTAN; Neelakantan SAIKRISHNAN The name of the applicant has been altered to **VDYNE, INC.**

2023227584 ENERVENUE, INC The name of the applicant has been altered to **EnerVenue Holdings, Ltd.**

2023239248 ENERVENUE, INC. The name of the applicant has been altered to **EnerVenue Holdings, Ltd.**

2023253669 ENERVENUE, INC. The name of the applicant has been altered to **EnerVenue Holdings, Ltd.**

**2024**

2024902293 NewSouth Innovations Pty Limited The name of the applicant has been altered to **NewSouth Innovations Pty Limited; Azure Mining Technology Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) Agomab Therapeutics  
 (11) AU-A-2024205680  
 (21) 2024205680 (22) 12.08.2024  
 (54) Anti-met antibodies and uses thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )

(43) 19.09.2024  
 (62) 2017288985  
 (72) Michieli, Paolo  
 (74) Davies Collison Cave Pty Ltd

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**AiCuris GmbH & Co. KG see Friedrich-Alexander-Universität Erlangen-Nürnberg**  
 (21) 2024216501

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2024201283  
 (21) 2024201283 (22) 27.02.2024  
 (54) WATER GAS SHIFT UNIT STEAM SUPERHEATER  
 (51) Int. Cl.  
**C01B 3/16** ( 2006.01 )  
**C10K 3/04** ( 2006.01 )

(31) 18/115,918 (32) 01.03.23 (33) US  
 (43) 19.09.2024  
 (72) Zhang, Yanlai  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Akebia Therapeutics, Inc.  
 (11) AU-A-2024205219  
 (21) 2024205219 (22) 30.07.2024  
 (54) Compositions and methods for treating anemia  
 (51) Int. Cl.  
**A61K 31/4412** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**A61K 31/345** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )

(43) 19.09.2024  
 (62) 2022200570  
 (72) SHALWITZ, Robert; HARTMAN, Charlotte; SHALWITZ, Isaiah; JANUSZ, John; GARDNER, Joseph; BUCH, Akshay  
 (74) FB Rice Pty Ltd

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(71) Alkahest, Inc.  
 (11) AU-A-2024216537  
 (21) 2024216537 (22) 02.09.2024  
 (54) Dosing regimen for treatment of cognitive and motor impairments with blood plasma and blood plasma products  
 (51) Int. Cl.  
**A61K 38/38** ( 2006.01 )  
**A61K 35/14** ( 2015.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )

(43) 19.09.2024  
 (62) 2018257921  
 (72) BRAITHWAITE, Steven P.; CZIRR, Eva; GALLAGER, Ian; HUBER, Nina; MINAMI, S. Sakura  
 (74) FB Rice Pty Ltd

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(71) ALS THERAPY DEVELOPMENT INSTITUTE  
 (11) AU-A-2024204572  
 (21) 2024204572 (22) 02.07.2024  
 (54) ANTI-CD40L ANTIBODIES AND METHODS FOR TREATING CD40L-RELATED DISEASES OR DISORDERS  
 (51) Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )

(43) 19.09.2024  
 (62) 2022200323  
 (72) LINCECUM, John M; JIANG, Bingbing; PERRIN, Steven N; GILL, Alan; GILL, Cynthia A; VIEIRA, Fernando G  
 (74) AJ PARK

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(71) Amgen Inc.  
 (11) AU-A-2024216533  
 (21) 2024216533 (22) 02.09.2024  
 (54) Processes of making and crystalline forms of a MDM2 inhibitor  
 (51) Int. Cl.  
**C07D 211/76** ( 2006.01 )  
**A61K 31/45** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 309/04** ( 2006.01 )  
**C07D 498/04** ( 2006.01 )

(43) 19.09.2024  
 (62) 2022271425  
 (72) BIO, Matthew; CAILLE, Sebastien; COCHRAN, Brian; FANG, Yuanqing; FOX, Brian M.; LUCAS, Brian S.; MCGEE, Lawrence R.; VOUNATSOS, Filisaty; WIEDEMANN, Sean; WORTMAN, Sarah  
 (74) Spruson & Ferguson

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(71) Amgen Inc.  
 (11) AU-A-2024219350  
 (21) 2024219350 (22) 03.09.2024  
 (54) Synthesis of vinylic alcohol intermediates  
 (51) Int. Cl.  
**C07D 267/16** ( 2006.01 )

(43) 19.09.2024  
 (62) 2021268573  
 (72) FARRELL, Robert P.; TEDROW, Jason S.  
 (74) Spruson & Ferguson

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(71) AMOS POWER, INC.  
 (11) AU-A-2024216401  
 (21) 2024216401 (22) 28.08.2024  
 (54) MODULAR ROBOTIC VEHICLE  
 (51) Int. Cl.  
**B62D 55/06** ( 2006.01 )  
**B62D 55/084** ( 2006.01 )  
**B62D 55/125** ( 2006.01 )  
**B62D 55/065** ( 2006.01 )

(43) 19.09.2024  
 (62) 2022427664  
 (72) BOE, Thomas Cedric; WELLS, Parker; KOOISTRA, Zachary; BEELER, Forrest; BOE, Kyle; MACUCH, Louis; DUCHARME, Broc; ZWART, Terry  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2024216430  
 (21) 2024216430 (22) 29.08.2024  
 (54) Physiological monitoring system for measuring oxygen saturation  
 (51) Int. Cl.  
**A61B 5/1455** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )

(43) 19.09.2024  
 (62) 2023201123  
 (72) Venugopal, Vivek; Block, Ueyn L.; Land, Brian R.; Mannheimer, Paul D.; Cerussi, Albert E.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Applied Medical Resources Corporation  
 (11) AU-A-2024216541  
 (21) 2024216541 (22) 02.09.2024  
 (54) Surgical stapler having actuation mechanism with rotatable shaft  
 (51) Int. Cl.  
**A61B 17/068** ( 2006.01 )

(43) 19.09.2024  
 (62) 2022204273  
 (72) Patel, Atal; Covach, Jonathan; Reed, Christina N.; Johnson, Gary M.; Berra, Matthew M.  
 (74) Griffith Hack

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(71) Aqua Yield Operations, Inc.  
 (11) AU-A-2024201386  
 (21) 2024201386 (22) 01.03.2024  
 (54) Incorporation of wetting agent with granular fertilizers for enhancing fertilizer dispersion and plant uptake  
 (51) Int. Cl.  
**C05G 3/50** ( 2020.01 )  
**C05G 5/12** ( 2020.01 )  
**C05G 5/30** ( 2020.01 )

(31) 18/178,366 (32) 03.03.23 (33) US  
 (43) 19.09.2024  
 (72) OLSEN, Garrett; SLAVENS, Mark  
 (74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- 
- (71) ARCHER DANIELS MIDLAND COMPANY  
 (11) AU-A-2024216388  
 (21) 2024216388 (22) 28.08.2024  
 (54) PROCESS FOR PRODUCING ENCAPSULATED AMINO ACIDS FOR RUMINANTS  
 (51) Int. Cl.  
*A23K 20/142* ( 2016.01 )  
*A23K 20/158* ( 2016.01 )  
*A23K 40/30* ( 2016.01 )  
*A23K 50/10* ( 2016.01 )  
*A23L 33/175* ( 2016.01 )  
*A23P 10/30* ( 2016.01 )  
 (43) 19.09.2024  
 (62) 2018362266  
 (72) BASEETH, Shireen S; CECAVA, Michael J; DOANE, Perry H; DONG, Shuojia; PRICE, Michael; ROHMAN, Brad; STENSRUD, Elizabeth  
 (74) AJ PARK
- 
- (71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024216504  
 (21) 2024216504 (22) 30.08.2024  
 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
 (51) Int. Cl.  
*A63F 13/45* ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2022221415  
 (72) MURPHY, Gesa  
 (74) Griffith Hack
- 
- (71) Aus Group Alliance Pty Ltd  
 (11) AU-A-2024219332  
 (21) 2024219332 (22) 03.09.2024  
 (54) Sound attenuation barrier with improved ease of assembly  
 (51) Int. Cl.  
*E01F 8/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018259164  
 (72) MARANDOS, Nicholas; HALL, Graeme Peter  
 (74) FB Rice Pty Ltd
- 
- (71) Bactana Corp.  
 (11) AU-A-2023201304  
 (21) 2023201304 (22) 02.03.2023  
 (54) METHODS AND COMPOSITIONS FOR IMPROVING FOOD SAFETY AND ENHANCING FEED EFFICIENCY IN POULTRY  
 (51) Int. Cl.  
*A23K 50/75* ( 2016.01 )  
*A23K 10/16* ( 2016.01 )  
*A23K 50/60* ( 2016.01 )  
*A61K 35/741* ( 2015.01 )  
*A61P 1/12* ( 2006.01 )  
*C12Q 1/18* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
*C12R 1/01* ( 2006.01 )
- 
- (43) 19.09.2024  
 (72) Kallassy, John A.; McManus, Simon A.  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) BIOKNOWME PTY LTD  
 (11) AU-A-2023282220  
 (21) 2023282220 (22) 13.12.2023  
 (54) SYSTEM AND METHOD FOR PATHOLOGY SPECIMEN COLLECTION  
 (51) Int. Cl.  
*H04W 12/0433* ( 2021.01 )  
*G06F 21/30* ( 2013.01 )  
*G06F 21/45* ( 2013.01 )  
*G06F 21/62* ( 2013.01 )  
*G16H 10/40* ( 2018.01 )  
*H04L 9/08* ( 2006.01 )  
*H04W 12/02* ( 2009.01 )  
*H04W 12/03* ( 2021.01 )  
*H04W 12/04* ( 2021.01 )  
*H04W 12/0431* ( 2021.01 )  
*H04W 12/069* ( 2021.01 )  
 (31) 2023900534 (32) 01.03.23 (33) AU  
 (43) 19.09.2024  
 (72) ELLERBY, Gavin  
 (74) Baxter Patent Attorneys Pty Ltd
- 
- (71) BioSpecifics Technologies Corp.  
 (11) AU-A-2024216497  
 (21) 2024216497 (22) 30.08.2024  
 (54) Thermosensitive hydrogel collagenase formulations  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 38/48* ( 2006.01 )  
*A61K 47/32* ( 2006.01 )  
*A61K 47/34* ( 2017.01 )  
*A61P 15/00* ( 2006.01 )  
*A61P 17/02* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022202925  
 (72) Yu, Bo; Wegman, Thomas L.  
 (74) Davies Collision Cave Pty Ltd
- 
- (71) Boehringer Ingelheim International GmbH  
 (11) AU-A-2024216447  
 (21) 2024216447 (22) 29.08.2024  
 (54) Pharmaceutical composition comprising empagliflozin and uses thereof  
 (51) Int. Cl.  
*A61K 31/7048* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 9/04* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022246392  
 (72) BROEDL, Uli; SALSALI, Afshin; WOERLE, Hans-Juergen  
 (74) Spruson & Ferguson
- 
- (71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2024216392  
 (21) 2024216392 (22) 28.08.2024  
 (54) Adaptive pressure control filter for a fluid management system  
 (51) Int. Cl.  
*G16H 40/63* ( 2018.01 )  
 (43) 19.09.2024  
 (62) 2021228722  
 (72) O'DONNELL, John; BALAN, Prasanna; GUDEKAR, Yogesh  
 (74) Spruson & Ferguson
- 
- (71) Boston Scientific Scimed Inc.  
 (11) AU-A-2024216438  
 (21) 2024216438 (22) 29.08.2024  
 (54) Magnetic propulsion and bearing for a hemodynamic support pump  
 (51) Int. Cl.  
*A61M 60/13* ( 2021.01 )  
*A61M 60/221* ( 2021.01 )  
*A61M 60/419* ( 2021.01 )  
*A61M 60/422* ( 2021.01 )  
*A61M 60/824* ( 2021.01 )  
*A61M 60/825* ( 2021.01 )  
 (43) 19.09.2024  
 (62) 2022218780  
 (72) EDWARDS, Nathan; LARSEN, Steven; SCHAUER, Travis; LUCAS, Jeffrey; RADMAN, Lloyd; MURTHY, Sam  
 (74) Spruson & Ferguson
- 
- (71) Calidi Biotherapeutics (Nevada), Inc.  
 (11) AU-A-2024216517  
 (21) 2024216517 (22) 02.09.2024  
 (54) ENHANCED SYSTEMS FOR CELL-MEDIATED ONCOLYTIC VIRAL THERAPY  
 (51) Int. Cl.  
*A61K 35/12* ( 2015.01 )  
*A61K 35/768* ( 2015.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019377141  
 (72) FERNANDEZ SANTIDRIAN, Antonio; NGUYEN, Duong Hoang; DRAGANOV, Dobrin  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Celltrion Inc.  
 (11) AU-A-2024216469  
 (21) 2024216469 (22) 30.08.2024  
 (54) Method for treating TNF alpha-related disease  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**A61K 9/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018326037  
**(72)** KIM, Sun Jung; SUH, Jee Hye; AN, Hyun Chul; LEE, Sung Young  
**(74)** Spruson & Ferguson

**(71)** Centripetal Limited  
**(11)** AU-A-2024216461  
**(21)** 2024216461 **(22)** 30.08.2024  
**(54)** Rule-based network-threat detection  
**(51)** Int. Cl.  
**H04L 29/06** ( 2006.01 )  
**H04L 12/26** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2022202068  
**(72)** AHN, David K.; GEORGE, Keith A.; GEREMIA, Peter P.; MALLETT III, Pierre; MOORE, Sean; PERRY, Robert T.; ROGERS, Jonathan R.  
**(74)** GLMR

**(71)** CFPH, LLC  
**(11)** AU-A-2024216526  
**(21)** 2024216526 **(22)** 02.09.2024  
**(54)** AMUSEMENT DEVICES AND GAMES INVOLVING MULTIPLE OPERATORS, MULTIPLE PLAYERS, AND/OR MULTIPLE JURISDICTIONS  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(43)** 19.09.2024  
**(62)** 2022268407  
**(72)** Amaitis, Lee; Flaherty, Phillip  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Clover Network, LLC  
**(11)** AU-A-2024216425  
**(21)** 2024216425 **(22)** 29.08.2024  
**(54)** Advanced hardware system for self service checkout kiosk  
**(51)** Int. Cl.  
**G06F 13/10** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**G06Q 20/18** ( 2012.01 )  
**G06Q 20/30** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )  
**G07G 1/12** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2020202324  
**(72)** DURIEUX, Vincent; WHITAKER ABRAMS, Jacob; RAJAGOPAL, Nagalakshmi  
**(74)** Griffith Hack

**(71)** Cognian Technologies Ltd  
**(11)** AU-A-2024219338  
**(21)** 2024219338 **(22)** 03.09.2024  
**(54)** Network Devices  
**(51)** Int. Cl.  
**H04L 12/00** ( 2006.01 )  
**H04L 12/66** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2022206822  
**(72)** ZINGER, Slav  
**(74)** Griffith Hack

**(71)** Colebrook Bosson & Saunders (Products) Limited  
**(11)** AU-A-2024201341  
**(21)** 2024201341 **(22)** 29.02.2024  
**(54)** ACCESSORY SUPPORT BRACKET  
**(51)** Int. Cl.  
**F16M 13/02** ( 2006.01 )  
**(31)** 18/177,622 **(32)** 02.03.23 **(33)** US  
**(43)** 19.09.2024  
**(72)** Corrie, Alex James; Fearnley, Jack Thomas  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Compagnie Generale des Etablissements Michelin  
**(11)** AU-A-2024219329  
**(21)** 2024219329 **(22)** 03.09.2024  
**(54)** Trailer fairing and system for improved aerodynamic performance  
**(51)** Int. Cl.  
**B62D 35/00** ( 2006.01 )  
**B62D 25/18** ( 2006.01 )  
**B62D 53/06** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019226575  
**(72)** BRADLEY, Calvin Rhett  
**(74)** Griffith Hack

**(71)** CREATZ INC.  
**(11)** AU-A-2024216420  
**(21)** 2024216420 **(22)** 29.08.2024  
**(54)** METHOD, SYSTEM, AND NON-TRANSITORY COMPUTER READABLE STORAGE MEDIUM FOR SUPPORTING VIRTUAL GOLF SIMULATION  
**(51)** Int. Cl.  
**A63B 24/00** ( 2006.01 )  
**A63B 69/36** ( 2006.01 )  
**A63B 71/06** ( 2006.01 )  
**G06T 7/20** ( 2017.01 )  
**(43)** 19.09.2024  
**(62)** 2021370157  
**(72)** SUK, Yong Ho; SUK, Jey Ho  
**(74)** LAMINAR IP PTY LTD

**(71)** Danisco US Inc  
**(11)** AU-A-2024216542  
**(21)** 2024216542 **(22)** 02.09.2024  
**(54)** CAS9 variants and methods of use  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/82** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018386002  
**(72)** FRISCH, Ryan L.; HE, Hongxian  
**(74)** Oxygene IP

**(71)** Deere & Company  
**(11)** AU-A-2024200574  
**(21)** 2024200574 **(22)** 31.01.2024  
**(54)** Method and arrangement for the operation of an agricultural distribution vehicle  
**(51)** Int. Cl.  
**A01M 7/00** ( 2006.01 )  
**B67D 99/00** ( 2010.01 )  
**B64U 101/40** ( 2023.01 )  
**(31)** 102023105198.9 **(32)** 02.03.23 **(33)** DE  
**(43)** 19.09.2024  
**(72)** Somarowthu, Herr Mahesh; Gupta, Herr Manu; Kumar, Herr Prashant; Lokare, Herr Pradeep Praka; Peeters, Herr Willy  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Deere & Company  
**(11)** AU-A-2024200612  
**(21)** 2024200612 **(22)** 01.02.2024  
**(54)** Controlling and communicating material conveyance from a tender vehicle to an agricultural work machine  
**(51)** Int. Cl.  
**A01C 7/10** ( 2006.01 )  
**A01C 7/20** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
**(31)** 18/176881 **(32)** 01.03.23 **(33)** US  
**(43)** 19.09.2024  
**(72)** WONDERLICH, Grant J.; POTTER, Benjamin C.; DEMSKI, Nathan R.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** DENG, L.  
**(11)** AU-A-2024216446  
**(21)** 2024216446 **(22)** 29.08.2024  
**(54)** Fertilizer Preparation Process, Fertilizer Therefore, And Fertilizer Composition  
**(51)** Int. Cl.  
**C05G 3/60** ( 2020.01 )  
**C05G 3/80** ( 2020.01 )  
**C05G 5/27** ( 2020.01 )  
**(43)** 19.09.2024  
**(62)** 2022221539  
**(72)** DENG, Long  
**(74)** Adams Pluck

**(71)** Dexcom, Inc.  
**(11)** AU-A-2024216472  
**(21)** 2024216472 **(22)** 30.08.2024  
**(54)** Fault discrimination and responsive processing based on data and context  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2022202487  
**(72)** VANSLYKE, Stephen J.; BHAVARAJU, Naresh C.; BOHM, Sebastian; BOWMAN, Leif N.; ESTES, Michael J.; GARCIA, Arturo; KAMATH, Apurv Ullas; PAL, Andrew Attila; PEYSER, Thomas A.; RACK-GOMER, Anna Leigh; RONG, Daiting; SHETH, Disha B.; SIMPSON, Peter C.; SOKOLVSKY, Dmytro  
**(74)** FB Rice Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

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- (71) Dexcom, Inc.  
**(11)** AU-A-2024216474  
**(21)** 2024216474 **(22)** 30.08.2024  
**(54)** Glycemic urgency assessment and alerts interface  
**(51)** Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G06F 3/0481** ( 2022.01 )  
**(43)** 19.09.2024  
**(62)** 2022287585  
**(72)** RACK-GOMER, Anna Leigh; HAM-PAPURAM, Hari; KAMATH, Apurv Ul-las; REIHMAN, Eli; BOWMAN, Leif N.; GARCIA, Arturo; BHAVARAJU, Naresh C.; DRAEGER, Rian; KRAMER, Paul; NOBLE-CAMPBELL, Paul; GRUB-STEIN, Katherine Yerre  
**(74)** FB Rice Pty Ltd
- 
- (71)** Easy PV (Aust) Pty Limited  
**(11)** AU-A-2024216393  
**(21)** 2024216393 **(22)** 28.08.2024  
**(54)** An Inverter for an Energy Capture and Storage System  
**(51)** Int. Cl.  
**H02J 3/12** ( 2006.01 )  
**H02J 5/00** ( 2016.01 )  
**H02M 7/42** ( 2006.01 )  
**H02J 3/28** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021221722  
**(72)** Elliston, Barbara Louise; Neilson, Murray James  
**(74)** James & Wells Intellectual Property
- 
- (71)** Ecolab USA Inc.  
**(11)** AU-A-2024216422  
**(21)** 2024216422 **(22)** 29.08.2024  
**(54)** Antimicrobial multi-purpose cleaner and methods of making and using the same  
**(51)** Int. Cl.  
**C11D 1/14** ( 2006.01 )  
**C11D 1/22** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/43** ( 2006.01 )  
**C11D 3/48** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2023201139  
**(72)** BAKKEN, Amanda; LEVITT, Mark D.; ABELSETH, Avila  
**(74)** Spruson & Ferguson
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- (71)** ENEOS Corporation  
**(11)** AU-A-2024216457  
**(21)** 2024216457 **(22)** 30.08.2024  
**(54)** Operation management system  
**(51)** Int. Cl.  
**G06Q 10/08** ( 2023.01 )  
**B65G 61/00** ( 2006.01 )  
**C01B 3/26** ( 2006.01 )
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- (43)** 19.09.2024  
**(62)** 2021247874  
**(72)** SEIKE, Tadashi; IKI, Hideshi; MAEDA, Seiji  
**(74)** Davies Collision Cave Pty Ltd
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- (71)** Evolution Oil Tools Inc.  
**(11)** AU-A-2023201290  
**(21)** 2023201290 **(22)** 02.03.2023  
**(54)** Dual tubing string adaptor  
**(51)** Int. Cl.  
**E21B 33/047** ( 2006.01 )  
**E21B 33/068** ( 2006.01 )  
**(43)** 19.09.2024  
**(72)** STOESSERT, Emery; HULT, Vern; PAT-TON, Chris  
**(74)** FB Rice Pty Ltd
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- (71)** Exact Sciences Corporation  
**(11)** AU-A-2024216400  
**(21)** 2024216400 **(22)** 28.08.2024  
**(54)** Method for stabilizing hemoglobin and reagents for performing the same  
**(51)** Int. Cl.  
**A61B 10/02** ( 2006.01 )  
**A61J 1/05** ( 2006.01 )  
**A61J 1/14** ( 2023.01 )  
**G01N 1/28** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019242190  
**(72)** FOURRIER, Keith D.; HENNEK, Jacquelyn T.; DOMANICO, Michael J.; WEISBURG, William G.; LIDGARD, Graham P.; HARINGS, Kathleen S.; SIMPSON, Daniel J.  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Fence Posts To Slite  
**(11)** AU-A-2023201359  
**(21)** 2023201359 **(22)** 05.03.2023  
**(54)** Universal Retaining Post - a combined sleeper retaining wall beam or channel with a fence post attached  
**(51)** Int. Cl.  
**E04H 17/20** ( 2006.01 )  
**E02D 29/02** ( 2006.01 )  
**E04H 17/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(72)** Hutchinson, Jason  
**(74)** Fence Posts To Slite
- 
- (71)** Fine, K.  
**(11)** AU-A-2024216419  
**(21)** 2024216419 **(22)** 29.08.2024  
**(54)** ORAL AND INTESTINAL HEALTH PRODUCTS  
**(51)** Int. Cl.  
**A61K 33/06** ( 2006.01 )  
**A61K 8/58** ( 2006.01 )  
**A61K 31/28** ( 2006.01 )  
**A61K 31/60** ( 2006.01 )  
**A61K 33/24** ( 2019.01 )  
**A61K 35/745** ( 2015.01 )  
**A61K 35/747** ( 2015.01 )  
**A61K 36/45** ( 2006.01 )
- 
- (43)** 19.09.2024  
**(62)** 2018229414  
**(72)** Fine, Kenneth Davin  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2024216402  
**(21)** 2024216402 **(22)** 28.08.2024  
**(54)** MEDICAL TUBES AND METHODS OF MANUFACTURE  
**(51)** Int. Cl.  
**A61M 16/08** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021201281  
**(72)** STOKS, Elmo Benson; NORTH, Charles Christopher; SUJAU, Mahran Maumoon; STROOBANT, Josh; MILLAR, Gavin Walsh; BUSWELL, Matthew Liam; IBRAHIM, Al-Tiy; MCCAULEY, David Leon; VAN SCHALWYK, Andre; MUNKELT, Katja; WILSON, Matthew Robert; OOSTHUYSEN, Helgard; AMADIO, Christopher Jaye Norman; PATEL, Sanjay Parag; D'ANDREA, Dominique Richard; DOVER, Grant Martin; BARKER, Dean Antony; HARWOOD, Jonathan David  
**(74)** AJ PARK
- 
- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2024216399  
**(21)** 2024216399 **(22)** 28.08.2024  
**(54)** RESPIRATORY RATE MONITORING FOR RESPIRATORY FLOW THERAPY SYSTEMS  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61M 16/12** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018372766  
**(72)** WILLIAMS, Rhys Matthew James; CANTRELL, Charles Grady; RUSSELL, David Martin; GULLEY, Anton Kim; RYAN, Brett James; EDWARDS, Bryn Alan  
**(74)** AJ PARK
- 
- (71)** Forouzandeh, H.  
**(11)** AU-A-2024201417  
**(21)** 2024201417 **(22)** 04.03.2024  
**(54)** Collapsible Container  
**(51)** Int. Cl.  
**B65D 88/52** ( 2006.01 )  
**B65D 88/12** ( 2006.01 )  
**(31)** 2023900554 **(32)** 03.03.23 **(33)** AU



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(43) 19.09.2024  
 (72) Forouzandeh, Hamed  
 (74) Clark Intellectual Property Pty Ltd

(71) Fortescue Ltd  
 (11) AU-A-2024216550  
 (21) 2024216550 (22) 03.09.2024  
 (54) Modular relocatable conveyor  
 (51) Int. Cl.  
*B65G 21/14* ( 2006.01 )  
*B65G 21/06* ( 2006.01 )  
*B65G 39/12* ( 2006.01 )

(43) 19.09.2024  
 (62) 2018315054  
 (72) Lynch, Peter Anthony  
 (74) Davies Collison Cave Pty Ltd

(71) Friedrich-Alexander-Universität Erlangen-Nürnberg; AiCuris GmbH & Co. KG  
 (11) AU-A-2024216501  
 (21) 2024216501 (22) 30.08.2024  
 (54) METHODS FOR SCREENING AND IDENTIFYING AGENTS THAT INHIBIT OR MODULATE THE NUCLEAR EGRESS COMPLEX OF HERPESVIRUSES  
 (51) Int. Cl.  
*C07K 14/03* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019304526  
 (72) MARSCHALL, Manfred; MULLER, Yves; STICHT, Heinrich; EICHLER, Jutta  
 (74) Davies Collison Cave Pty Ltd

(71) GE Energy Power Conversion Technology Limited  
 (11) AU-A-2024201072  
 (21) 2024201072 (22) 20.02.2024  
 (54) POWER SUPPLY SYSTEM FOR ARC FURNACE AND ASSOCIATED ARC FURNACE AND METHOD  
 (51) Int. Cl.  
*H02M 1/14* ( 2006.01 )  
*H02H 3/087* ( 2006.01 )  
*H02J 3/18* ( 2006.01 )  
 (31) 23305271.1 (32) 02.03.23 (33) EP  
 (43) 19.09.2024  
 (72) Permuy, Alfred; Baviere, Cyrille  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) GE Energy Power Conversion Technology Limited  
 (11) AU-A-2024201153  
 (21) 2024201153 (22) 22.02.2024  
 (54) ARC FURNACE FACILITY  
 (51) Int. Cl.  
*H02M 1/00* ( 2007.01 )  
*H02M 7/483* ( 2007.01 )  
*H02M 7/505* ( 2006.01 )  
*H05B 7/144* ( 2006.01 )  
 (31) 23305272.9 (32) 02.03.23 (33) EP  
 (43) 19.09.2024  
 (72) Basic, Duro; Zhou, Zhi; Siala, Sami; Baviere, Cyrille; Permuy, Alfred; Fahrner, Laurent  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Genzyme Corporation  
 (11) AU-A-2024219335  
 (21) 2024219335 (22) 03.09.2024  
 (54) Methods and systems for processing a cell culture  
 (51) Int. Cl.  
*C12M 1/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022221495  
 (72) Konstantinov, Konstantin; Yin, Jin; Yu, Marcella; Wright, Benjamin; Zhou, Hang  
 (74) Griffith Hack

(71) Geomni, Inc.  
 (11) AU-A-2024216491  
 (21) 2024216491 (22) 30.08.2024  
 (54) Computer vision systems and methods for modeling roofs of structures using two-dimensional and partial three-dimensional data  
 (51) Int. Cl.  
*G06T 7/13* ( 2017.01 )  
*B61D 17/12* ( 2006.01 )  
*G01B 3/14* ( 2006.01 )  
*G06T 7/564* ( 2017.01 )  
*G06T 15/08* ( 2011.01 )  
*G06T 17/10* ( 2006.01 )  
*G06T 19/20* ( 2011.01 )  
*H04N 5/347* ( 2011.01 )  
 (43) 19.09.2024  
 (62) 2019287397  
 (72) PORTER, Bryce Zachary; JUSTUS, Ryan Mark  
 (74) Davies Collison Cave Pty Ltd

(71) Getac Technology Corporation  
 (11) AU-A-2023263493  
 (21) 2023263493 (22) 09.11.2023  
 (54) ELECTRONIC DEVICE WITH HYBRID POWER AND CHARGING METHOD  
 (51) Int. Cl.  
*H02J 7/04* ( 2006.01 )  
*H02J 7/02* ( 2016.01 )  
*H02M 7/04* ( 2006.01 )  
 (31) 63/449,272 (32) 01.03.23 (33) US  
 (43) 19.09.2024  
 (72) Cheng-Han TSAI; Yng-Wei LEE  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Getac Technology Corporation  
 (11) AU-A-2023263494  
 (21) 2023263494 (22) 09.11.2023  
 (54) ELECTRONIC DEVICE WITH HYBRID POWER SOURCE AND METHOD FOR HYBRID POWER SUPPLY  
 (51) Int. Cl.  
*H02J 7/04* ( 2006.01 )  
*H02J 7/02* ( 2016.01 )  
*H02M 7/04* ( 2006.01 )  
 (31) 63/449,272 (32) 01.03.23 (33) US  
 (43) 19.09.2024  
 (72) Hsueh-Mao CHENG; Cheng-Han TSAI  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Getac Technology Corporation  
 (11) AU-A-2023274121  
 (21) 2023274121 (22) 29.11.2023  
 (54) ELECTRONIC DEVICE  
 (51) Int. Cl.  
*H02J 7/04* ( 2006.01 )  
*H02M 7/04* ( 2006.01 )  
 (31) 63/449,272 (32) 01.03.23 (33) US  
 (43) 19.09.2024  
 (72) Li-Shing Chen; Yng-Wei Lee; Chen-Kuo Yuan  
 (74) Baxter Patent Attorneys Pty Ltd

(71) GlaxoSmithKline Biologicals SA  
 (11) AU-A-2024216413  
 (21) 2024216413 (22) 29.08.2024  
 (54) OUTER MEMBRANE VESICLES  
 (51) Int. Cl.  
*C07K 14/22* ( 2006.01 )  
*A61K 35/74* ( 2015.01 )  
*C12N 1/21* ( 2006.01 )  
*C12N 9/10* ( 2006.01 )  
*C12R 1/36* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2021339930  
 (72) DELANY, Isabel; GIORDANO, Giulia; LEUZZI, Rosanna; MARGARIT Y ROS, Immaculada  
 (74) AJ PARK

(71) GloFish, LLC  
 (11) AU-A-2024216499  
 (21) 2024216499 (22) 30.08.2024  
 (54) TRANSGENIC RAINBOW SHARK  
 (51) Int. Cl.  
*A01K 67/027* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018243365  
 (72) Blake, Alan; Crockett, Richard; Nasevicius, Aidas  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
 (11) AU-A-2024216455  
 (21) 2024216455 (22) 30.08.2024  
 (54) Method and device for processing video signal by using inter prediction  
 (51) Int. Cl.  
*H04N 19/58* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2022252845  
 (72) PALURI, Seethal; KIM, Seunghwan  
 (74) Spruson & Ferguson

(71) GW Research Limited  
 (11) AU-A-2024216397  
 (21) 2024216397 (22) 28.08.2024  
 (54) Use of cannabinoids in the treatment of seizures associated with Lennox-Gastaut syndrome  
 (51) Int. Cl.  
*A61K 45/06* ( 2006.01 )

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- A61K 31/352** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )
- (43) 19.09.2024  
(62) 2018366443  
(72) GUY, Geoffrey; KNAPPERTZ, Volker  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) HEM Pharma Inc.  
(11) AU-A-2024216496  
(21) 2024216496 (22) 30.08.2024  
(54) METHOD FOR SCREENING PERSONALIZED INTESTINAL ENVIRONMENT-IMPROVING MATERIAL AND COMPOSITION THEREFOR  
(51) Int. Cl.  
**C12Q 1/02** ( 2006.01 )  
**G01N 33/569** ( 2006.01 )  
**G01N 33/92** ( 2006.01 )
- (43) 19.09.2024  
(62) 2020337596  
(72) PARK, So Young; JI, Yo Sep  
(74) Baxter Patent Attorneys Pty Ltd
- 
- (71) Hindustan Petroleum Corporation Limited  
(11) AU-A-2024216507  
(21) 2024216507 (22) 30.08.2024  
(54) CATALYST COMPOSITION FOR THE PRODUCTION OF HYDROGEN  
(51) Int. Cl.  
**B01J 12/00** ( 2006.01 )  
**B01J 23/755** ( 2006.01 )  
**C01B 3/26** ( 2006.01 )
- (43) 19.09.2024  
(62) 2021333849  
(72) Meesala, Lavanya; Kumar, Pramod  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Huawei Technologies Co., Ltd.  
(11) AU-A-2024216490  
(21) 2024216490 (22) 30.08.2024  
(54) TECHNIQUES FOR PRE AND POST FORWARD ERROR CORRECTION AND PACKET PADDING IN RADIO TRANSMISSION  
(51) Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04W 84/12** ( 2009.01 )
- (43) 19.09.2024  
(62) 2020469388  
(72) Shilo, Shimon; Redlich, Oded; Yu, Jian; Tsodik, Genadiy  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Huawei Technologies Co., Ltd.  
(11) AU-A-2024219340  
(21) 2024219340 (22) 03.09.2024  
(54) METHOD AND APPARATUS FOR INTRA PREDICTION  
(51) Int. Cl.  
**H04N 19/593** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )
- (43) 19.09.2024  
(62) 2023200908  
(72) Filippov, Alexey Konstantinovich; Ruffitskiy, Vasily Alexeevich; Chen, Jianle  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Ibentrus, Inc.  
(11) AU-A-2024204558  
(21) 2024204558 (22) 01.07.2024  
(54) Bispecific proteins and methods for preparing same  
(51) Int. Cl.  
**C07K 16/46** ( 2006.01 )
- (43) 19.09.2024  
(62) 2021200412  
(72) KIM, Hoon; BAE, Sohyun  
(74) FB Rice Pty Ltd
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- (71) IGT  
(11) AU-A-2024216434  
(21) 2024216434 (22) 29.08.2024  
(54) Systems and Methods for Providing a Multi-Player Wagering Game  
(51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 13/25** ( 2014.01 )  
**A63F 13/30** ( 2014.01 )
- (43) 19.09.2024  
(62) 2018274912  
(72) Keilwert, Stefan; Russ, Michael; Angermayer, Lukas; Wagner, Petra; Vurusic, Mihael; Wagner, Werner; Fink, Marco; Kiss, Elisabeth  
(74) Clark Intellectual Property Pty Ltd
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- (71) Illinois Tool Works Inc.  
(11) AU-A-2024200825  
(21) 2024200825 (22) 09.02.2024  
(54) Formulations for applying a hydrophilic film to a substrate  
(51) Int. Cl.  
**C11D 1/08** ( 2006.01 )  
**B05D 1/02** ( 2006.01 )  
**B05D 5/08** ( 2006.01 )  
**B60S 1/46** ( 2006.01 )  
**C11D 1/68** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/26** ( 2006.01 )
- (31) 63/449416 (32) 02.03.23 (33) US  
18/429730 01.02.24 US  
(43) 19.09.2024  
(72) Yang, Guozhen  
(74) Davies Collision Cave Pty Ltd
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- (71) Implantica Patent Ltd  
(11) AU-A-2024216487  
(21) 2024216487 (22) 30.08.2024  
(54) An Apparatus for Treating Gerd  
(51) Int. Cl.  
**A61F 5/00** ( 2006.01 )  
**A61F 2/04** ( 2013.01 )
- (43) 19.09.2024  
(62) 2022201455  
(72) Forsell, Peter  
(74) WRAYS PTY LTD
- 
- (71) Industrial Galvanizers Corporation Pty Ltd  
(11) AU-A-2024216460  
(21) 2024216460 (22) 30.08.2024
- 
- (54) AN IMPROVED FOUNDATION SLEEVE  
(51) Int. Cl.  
**E01F 9/673** ( 2016.01 )  
**E01F 15/04** ( 2006.01 )  
**E04H 12/22** ( 2006.01 )
- (43) 19.09.2024  
(62) 2018229423  
(72) BORG, Keith Joseph; GALLAGHER, Luke; TSOUKALAS, George; DIGNAM, John  
(74) Halfords IP
- 
- (71) Infosys Limited  
(11) AU-A-2023201919  
(21) 2023201919 (22) 29.03.2023  
(54) SYSTEM AND METHOD FOR HYPER-PERSONALIZATION OF USER  
(51) Int. Cl.  
**G06F 16/25** ( 2019.01 )  
**G06F 16/90** ( 2019.01 )
- (31) 63/449,821 (32) 03.03.23 (33) US  
(43) 19.09.2024  
(72) WESTON-LEWIS, Sebasoam  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71) INGURAN, LLC  
(11) AU-A-2024216516  
(21) 2024216516 (22) 02.09.2024  
(54) DEVICES AND METHODS FOR ARTIFICIAL INSEMINATION  
(51) Int. Cl.  
**A61D 19/02** ( 2006.01 )  
**A61D 19/04** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )
- (43) 19.09.2024  
(62) 2022204360  
(72) WILLENBURG, Kilby; SIMMET, Christian Rudolf; BEVIER, Gregg; ARM-BRUSTER, Dominik  
(74) AJ PARK
- 
- (71) Inmotus Pty Ltd  
(11) AU-A-2024216440  
(21) 2024216440 (22) 29.08.2024  
(54) A retail supply chain management system  
(51) Int. Cl.  
**G06Q 50/28** ( 2012.01 )  
**G06Q 10/00** ( 2023.01 )
- (43) 19.09.2024  
(62) 2022204594  
(72) FRYE, Gregory  
(74) FB Rice Pty Ltd
- 
- (71) Iovance Biotherapeutics, Inc.  
(11) AU-A-2024216492  
(21) 2024216492 (22) 30.08.2024  
(54) EXPANSION OF TUMOR INFILTRATING LYMPHOCYTES (TILS) WITH TUMOR NECROSIS FACTOR RECEPTOR SUPERFAMILY (TNFRSF) AGONISTS AND THERAPEUTIC COMBINATIONS OF TILS AND TNFRSF AGONISTS  
(51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**C12N 5/078** ( 2010.01 )  
**(43)** 19.09.2024  
**(62)** 2018205234  
**(72)** Lotze, Michael T.; Ritthipichai, Krit  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Ivys Inc.  
**(11)** AU-A-2024216406  
**(21)** 2024216406 **(22)** 28.08.2024  
**(54)** HYDROGEN GAS DISPENSING SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**F17C 5/06** ( 2006.01 )  
**F17C 7/02** ( 2006.01 )  
**F17C 13/02** ( 2006.01 )  
**H01M 8/04** ( 2016.01 )  
**(43)** 19.09.2024  
**(62)** 2018211014  
**(72)** O'Brien, Christopher John; Pollica, Darryl Edward; Rao, Prabhu K.  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** JANOME Corporation  
**(11)** AU-A-2023201889  
**(21)** 2023201889 **(22)** 28.03.2023  
**(54)** SEWING MACHINE AND METHOD FOR CONTROLLING SEWING MACHINE  
**(51)** Int. Cl.  
**D05B 69/14** ( 2006.01 )  
**(31)** 2023-032217 **(32)** 02.03.23 **(33)** JP  
**(43)** 19.09.2024  
**(72)** Akahane, Kentaro  
**(74)** James & Wells Intellectual Property

**Jiangnan Environmental Protection Group Inc. see Jiangsu New Century Jiangnan Environmental Protection Inc., Ltd**  
**(21)** 2024216502

**(71)** Jiangsu New Century Jiangnan Environmental Protection Inc., Ltd; Jiangnan Environmental Protection Group Inc.  
**(11)** AU-A-2024216502  
**(21)** 2024216502 **(22)** 30.08.2024  
**(54)** Integrated ammonia-based desulfurization and decarbonization apparatus and method  
**(51)** Int. Cl.  
**B01D 53/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2022256100  
**(72)** ZHANG, Jun; LUO, Jing; XU, Tianqi  
**(74)** FB Rice Pty Ltd

**(71)** JJ-Lurgi Engineering Equipment (Shanghai) Co. Ltd  
**(11)** AU-A-2024201390  
**(21)** 2024201390 **(22)** 01.03.2024  
**(54)** A VE Enrichment System  
**(51)** Int. Cl.  
**B01D 3/12** ( 2006.01 )

**B01D 3/14** ( 2006.01 )  
**B01D 3/38** ( 2006.01 )  
**F28F 1/00** ( 2006.01 )  
**(31)** CN202320366606 **(32)** 02.03.23 **(33)** CN  
**(43)** 19.09.2024  
**(72)** Tiew, Kin Gee; Zeng, Gangben; Zheng, Jifu; Tang, Zhiyong; Chen, Yang; Li, Qianwen  
**(74)** Remarkable IP

**(71)** Johnson Controls Technology Company  
**(11)** AU-A-2024219353  
**(21)** 2024219353 **(22)** 03.09.2024  
**(54)** Building management system with space graph  
**(51)** Int. Cl.  
**G05B 15/02** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019304871  
**(72)** Park, Youngchoon; Sinha, Sudhi R.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Keros Therapeutics, Inc.  
**(11)** AU-A-2024216415  
**(21)** 2024216415 **(22)** 29.08.2024  
**(54)** Activin receptor type IIa variants and methods of use thereof  
**(51)** Int. Cl.  
**C07K 14/71** ( 2006.01 )  
**A61K 38/18** ( 2006.01 )  
**A61K 38/38** ( 2006.01 )  
**A61P 19/00** ( 2006.01 )  
**A61P 19/08** ( 2006.01 )  
**A61P 19/10** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018364668  
**(72)** LACHEY, Jennifer; SEEHRA, Jasbir S.  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Kite Pharma, Inc.  
**(11)** AU-A-2024216479  
**(21)** 2024216479 **(22)** 30.08.2024  
**(54)** Humanized antigen-binding domains against CD19 and methods of use  
**(51)** Int. Cl.  
**A61P 35/02** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021212061  
**(72)** WILTZIUS, Jed J. W.; SIEVERS, Stuart A.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Koekstone IP Pty Ltd  
**(11)** AU-A-2024216426  
**(21)** 2024216426 **(22)** 29.08.2024  
**(54)** Swivelling joint  
**(51)** Int. Cl.  
**F21V 21/36** ( 2006.01 )  
**E04H 12/18** ( 2006.01 )  
**E04H 12/34** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2023233081  
**(72)** Pannekoek, Robert John; Pannekoek, Peter  
**(74)** Armour IP

**Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha**  
**(21)** 2024201275

**(71)** Landscape Structures Inc.  
**(11)** AU-A-2024216530  
**(21)** 2024216530 **(22)** 02.09.2024  
**(54)** Accessible swing  
**(51)** Int. Cl.  
**A63G 9/00** ( 2006.01 )  
**A63G 9/04** ( 2006.01 )  
**A63G 31/02** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021336413  
**(72)** WROLSON, Darryl T.; TSCHANN, Matthew A.; JONES, Bryant A.; KELLER, Thomas L.; WUCHTERL, Kent D.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Leviccept Limited  
**(11)** AU-A-2024205039  
**(21)** 2024205039 **(22)** 23.07.2024  
**(54)** Therapeutic use of P75NTR neurotrophin binding protein  
**(51)** Int. Cl.  
**A61K 38/16** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021201611  
**(72)** Westbrook, Simon  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** LG Electronics Inc.  
**(11)** AU-A-2024205212  
**(21)** 2024205212 **(22)** 30.07.2024  
**(54)** Refrigerator  
**(51)** Int. Cl.  
**F25D 23/00** ( 2006.01 )  
**F25D 11/00** ( 2006.01 )  
**F25D 23/06** ( 2006.01 )  
**F25D 23/08** ( 2006.01 )  
**F25D 29/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2020382671  
**(72)** LIM, Seung Eon; OH, Seung Jin; YANG, Chang Woan; SON, Jin Ho; NA, Seong Jin  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** LG Electronics Inc.  
**(11)** AU-A-2024216416  
**(21)** 2024216416 **(22)** 29.08.2024  
**(54)** REFRIGERATOR AND HOME APPLIANCES  
**(51)** Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2022291417  
**(72)** LEE, Jong Hwa; KWON, O Min  
**(74)** Dentons Patent Attorneys Australasia Limited

Applications Open to Public Inspection - Name Index cont'd

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(71) LG ELECTRONICS INC.  
 (11) AU-A-2024216423  
 (21) 2024216423 (22) 29.08.2024  
 (54) PANEL ASSEMBLY FOR A HOME APPLIANCE AND HOME APPLIANCE THEREWITH  
 (51) Int. Cl.  
*F25D 23/02* ( 2006.01 )  
*F21V 33/00* ( 2006.01 )  
*F25D 27/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022205217  
 (72) PARK, Jaesung; JUNG, Hyesun; HAN, Doyoun; SONG, Seongmin  
 (74) Dentons Patent Attorneys Australasia Limited

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(71) Likewize Corp.  
 (11) AU-A-2024216534  
 (21) 2024216534 (22) 02.09.2024  
 (54) Real-time event management system for mobile devices  
 (51) Int. Cl.  
*G06Q 30/06* ( 2023.01 )  
*G06Q 30/00* ( 2023.01 )  
 (43) 19.09.2024  
 (62) 2018369528  
 (72) MILLINGTON, Mariela; RAJAMANICKAM, Ranga; HARPER, John; BODNAREK, Clay  
 (74) Spruson & Ferguson

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(71) Lonman Auto Accessories Co., Ltd  
 (11) AU-A-2023202201  
 (21) 2023202201 (22) 11.04.2023  
 (54) VEHICLE-MOUNTED MOVABLE KIT-CHEN  
 (51) Int. Cl.  
*B60N 3/16* ( 2006.01 )  
*A47J 33/00* ( 2006.01 )  
*A47J 36/24* ( 2006.01 )  
*A47J 37/07* ( 2006.01 )  
*B60R 11/06* ( 2006.01 )  
*F24C 15/08* ( 2006.01 )  
*F24C 15/18* ( 2006.01 )  
*F24C 15/30* ( 2006.01 )  
 (31) 2023203551123 (32) 01.03.23 (33) CN  
 (43) 19.09.2024  
 (72) Long, Shihu  
 (74) Madderns Pty Ltd

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(71) Loram Maintenance of Way, Inc.  
 (11) AU-A-2024216480  
 (21) 2024216480 (22) 30.08.2024  
 (54) Device and related methods for rail lubricant storage  
 (51) Int. Cl.  
*B61K 3/00* ( 2006.01 )  
*B61K 3/02* ( 2006.01 )  
*B65D 90/00* ( 2006.01 )  
*F16N 3/12* ( 2006.01 )  
*F16N 19/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018304152  
 (72) DYAVANAPALLI, Venkat  
 (74) FB Rice Pty Ltd

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(71) Lubrizol Advanced Materials, Inc.  
 (11) AU-A-2024216458  
 (21) 2024216458 (22) 30.08.2024  
 (54) Compounds useful for the treatment and/or care of the skin, hair, nails and/or mucous membranes  
 (51) Int. Cl.  
*C07K 7/06* ( 2006.01 )  
*A61K 8/64* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/06* ( 2006.01 )  
*A61K 9/107* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61Q 19/00* ( 2006.01 )  
*A61Q 19/08* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019317812  
 (72) DELGADO, Raquel; ALMIÑANA, Núria; SOLEY, Albert; LIDÓN, Maria del Carmen; RODRÍGUEZ, Catalina; MOLA, Gemma; VALERIO, Mauricio; GARCIA, Consuelo  
 (74) Oxygene IP

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(71) Magic Leap, Inc.  
 (11) AU-A-2024216509  
 (21) 2024216509 (22) 30.08.2024  
 (54) Waveguide illuminator  
 (51) Int. Cl.  
*G02B 27/01* ( 2006.01 )  
*F21V 8/00* ( 2006.01 )  
*G02B 27/14* ( 2006.01 )  
*G06F 3/01* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018383595  
 (72) CURTIS, Kevin Richard; SISSOM, Bradley Jay; CHENG, Hui-Chuan; SHUCK III, Miller Harry; BHARGAVA, Samarth; AREND, Erik Heath  
 (74) Davies Collison Cave Pty Ltd

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(71) MannKind Corporation  
 (11) AU-A-2024216520  
 (21) 2024216520 (22) 02.09.2024  
 (54) Apparatus, system and method for detecting and monitoring inhalations  
 (51) Int. Cl.  
*A61M 15/00* ( 2006.01 )  
*A61M 16/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019261425  
 (72) POCREVA III, John J.; ADAMO, Benoit; LAURENZI, Brendan; SMUTNEY, Chad C.; KINSEY, Spencer P.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Massachusetts Institute of Technology  
 (11) AU-A-2024216512  
 (21) 2024216512 (22) 30.08.2024  
 (54) SINGLE-MOLECULE PROTEIN AND PEPTIDE SEQUENCING  
 (51) Int. Cl.  
*G01N 31/00* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )

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(43) 19.09.2024  
 (62) 2024203694  
 (72) ESTANDIAN, Daniel Masao; CHOUERI, Alexi Georges; BOYDEN, Edward Stuart; WASSIE, Asmamaw  
 (74) RNB IP PTY LTD

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(71) MORIMOTO, N.  
 (11) AU-A-2024201364  
 (21) 2024201364 (22) 29.02.2024  
 (54) An apparatus and a method for controlling ventilation in a building and generating electricity  
 (51) Int. Cl.  
*F03D 9/45* ( 2016.01 )  
*E04F 17/04* ( 2006.01 )  
*F24F 7/04* ( 2006.01 )  
*F24F 13/02* ( 2006.01 )  
*F24F 13/08* ( 2006.01 )  
 (31) 202311014501 (32) 03.03.23 (33) IN  
 (43) 19.09.2024  
 (72) MORIMOTO, Nobuyoshi  
 (74) Adrian M Trioli Patent and Trade Mark Attorney

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(71) MyLand Company, LLC  
 (11) AU-A-2024216535  
 (21) 2024216535 (22) 02.09.2024  
 (54) Soil enrichment systems and methods  
 (51) Int. Cl.  
*A01C 23/02* ( 2006.01 )  
*A01G 25/02* ( 2006.01 )  
*C01B 13/10* ( 2006.01 )  
*C05D 7/00* ( 2006.01 )  
*C05F 11/08* ( 2006.01 )  
*C12M 1/26* ( 2006.01 )  
*C12N 11/14* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018301792  
 (72) AYERS, Andrew D.; EDWARDS, Mark R.  
 (74) Spruson & Ferguson

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(71) NANJING HYDRAULIC RESEARCH INSTITUTE  
 (11) AU-A-2023387750  
 (21) 2023387750 (22) 03.04.2023  
 (54) A TYPE OF UNDERWATER POLYMER CEMENT-BASED MORTAR AND ITS PREPARATION METHOD  
 (51) Int. Cl.  
*C04B 24/26* ( 2006.01 )  
*C04B 24/12* ( 2006.01 )  
 (31) 202310189480.X (32) 02.03.23 (33) CN  
 (43) 19.09.2024  
 (72) QIAN, Wenxun; XU, Fei; HE, Yang; WEI, Hua; HAN, Xuesong; CHEN, Xunjie; OUYANG, Youling; XU, Tianlei; ZHU, Pengfei; GE, Jinyu  
 (74) Remarkable IP

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(71) Nanomi B.V.  
 (11) AU-A-2024216428  
 (21) 2024216428 (22) 29.08.2024  
 (54) Method for preparing micro-particles by double emulsion technique  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**A61K 9/16** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018341389  
**(72)** BLAZEJEWSKI, Emilie Janine Marie;  
 DUWEL, Robertus Franciscus  
**(74)** Spruson & Ferguson

**(71)** NantCell, Inc.  
**(11)** AU-A-2024205755  
**(21)** 2024205755 **(22)** 14.08.2024  
**(54)** Treatment of covid-19 and methods  
 therefor

**(51)** Int. Cl.  
**C12N 15/62** ( 2006.01 )  
**A61K 39/215** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/81** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2021236141  
**(72)** SOON-SHIONG, Patrick; SIELING,  
 Peter; SHIN, Annie; SENDER, Leonard;  
 SAFRIT, Jeffrey; RICE, Adrian; RAB-  
 IZADEH, Shahrooz; NIAZI, Kayvan;  
 GEISSERT, Lise; GABITZSCH, Eliza-  
 beth  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** Nattopharma AS  
**(11)** AU-A-2024216503  
**(21)** 2024216503 **(22)** 30.08.2024  
**(54)** Use of vitamin K in combination with  
 anticoagulants

**(51)** Int. Cl.  
**A61P 7/02** ( 2006.01 )  
**A61K 31/122** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2020236308  
**(72)** VAN GORP, Rick  
**(74)** Griffith Hack

**(71)** Nattopharma AS  
**(11)** AU-A-2024216508  
**(21)** 2024216508 **(22)** 30.08.2024  
**(54)** Use of vitamin K in combination with  
 anticoagulants

**(51)** Int. Cl.  
**A61P 7/02** ( 2006.01 )  
**A61K 31/122** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2020236308  
**(72)** VAN GORP, Rick  
**(74)** Griffith Hack

**(71)** Navitor Pharmaceuticals, Inc.  
**(11)** AU-A-2024216489  
**(21)** 2024216489 **(22)** 30.08.2024  
**(54)** Modulators of Sestrin-GATOR2 interac-  
 tion and uses thereof

**(51)** Int. Cl.  
**A61K 31/198** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2018258355  
**(72)** SAIHAH, Eddine; VLASUK, George  
**(74)** Spruson & Ferguson

**(71)** Newell Australia Pty Ltd  
**(11)** AU-A-2024216483  
**(21)** 2024216483 **(22)** 30.08.2024  
**(54)** Espresso machine with dosing mechan-  
 ism

**(51)** Int. Cl.  
**A47J 31/46** ( 2006.01 )  
**A47J 31/44** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2018265774  
**(72)** GULLIVER, Timothy Edward; GUYATT,  
 Maxim K.; WHITCOMBE, Mark James  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** NEXTBIOMEDICAL CO., LTD.

**(11)** AU-A-2023222956  
**(21)** 2023222956 **(22)** 31.08.2023  
**(54)** Dispenser device for spraying powder  
**(51)** Int. Cl.  
**A61M 11/02** ( 2006.01 )  
**B05B 12/00** ( 2018.01 )

**(31)** 10-2023-0028780 **(32)** 03.03.23 **(33)** KR  
**(43)** 19.09.2024  
**(72)** LEE, Donhaeng; LEE, Eunhye; KIM,  
 Seyun

**(74)** FB Rice Pty Ltd

**(71)** Nextracker LLC

**(11)** AU-A-2024216357  
**(21)** 2024216357 **(22)** 26.08.2024  
**(54)** Distributed locking tracker  
**(51)** Int. Cl.  
**H02S 20/32** ( 2014.01 )  
**F16D 11/00** ( 2006.01 )  
**F16D 11/04** ( 2006.01 )  
**F24S 30/42** ( 2018.01 )  
**F24S 50/20** ( 2018.01 )

**(43)** 19.09.2024  
**(62)** 2021338677  
**(72)** MORIN, Jacob Mark; SABLE, Abhi-  
 manyu; DUBE, Pradeep Kumar  
**(74)** Clark Intellectual Property Pty Ltd

**(71)** Nobel Biocare Services AG

**(11)** AU-A-2024216449  
**(21)** 2024216449 **(22)** 29.08.2024  
**(54)** Dental implant, insertion tool for dental  
 implant and combination of dental im-  
 plant and insertion tool

**(51)** Int. Cl.  
**A61C 8/00** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2022203681  
**(72)** Weitzel, Jörg; Quarry, Antony; Von-  
 willer, Stephan; Pfister, Niki; Burke, Ed-  
 mund; Ameti, Serif; Sollberger, David;  
 Bernhard, Nicolai  
**(74)** Griffith Hack

**(71)** nthalmic holding Pty Ltd; Zhong Jing  
 Wei Shi (Suzhou) Optical Technology  
 Ltd

**(11)** AU-A-2024216518  
**(21)** 2024216518 **(22)** 02.09.2024  
**(54)** Apparatus and methods of spectacle  
 solutions for myopia

**(51)** Int. Cl.  
**G02C 7/06** ( 2006.01 )  
**G02C 7/08** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2022246371  
**(72)** BAKARAJU, Ravi Chandra  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Nuritas Limited

**(11)** AU-A-2024216543  
**(21)** 2024216543 **(22)** 02.09.2024  
**(54)** PEPTIDES FOR USE IN PROMOTING  
 TRANSPORT OF GLUCOSE

**(51)** Int. Cl.  
**C07K 7/04** ( 2006.01 )  
**A61K 8/64** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C07K 14/415** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2023201277  
**(72)** Khaldi, Nora; Lopez, Cyril  
**(74)** Madders Pty Ltd

**(71)** Oren Technologies, LLC

**(11)** AU-A-2024216478  
**(21)** 2024216478 **(22)** 30.08.2024  
**(54)** System of delivering and storing prop-  
 pant for use at a well site and container  
 for such proppant

**(51)** Int. Cl.  
**B65G 57/14** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2023202763  
**(72)** Oren, John  
**(74)** Griffith Hack

**(71)** Otsuka Pharmaceutical Co., Ltd.

**(11)** AU-A-2024216546  
**(21)** 2024216546 **(22)** 02.09.2024  
**(54)** Kaempferol analog-containing compos-  
 ition

**(51)** Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A23L 33/11** ( 2016.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2018327188  
**(72)** IKEDA, Yasutaka; MIZOKAMI, Tsubasa;  
 ABIRU, Yasuhiro; AKIYAMA, Minoru;  
 OYAMA, Ayuko  
**(74)** Davies Collison Cave Pty Ltd

**(71)** PAULO DANTAS DA SILVA, P.

**(11)** AU-A-2023203303  
**(21)** 2023203303 **(22)** 26.05.2023  
**(54)** IMPROVEMENT INTRODUCED IN  
 STAND UP PADDLEBOARD FOR  
 WHEELCHAIR USERS

Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.  
**B63B 32/55** ( 2020.01 )  
**B63B 32/40** ( 2020.01 )  
(31) BR 20 2023 (32) 04.03.23 (33) BR  
005542 2  
(43) 19.09.2024  
(72) PAULO DANTAS DA SILVA, PEDRO  
(74) Alder IP Pty Ltd

(71) PEARLSINMIRE CO., LTD.  
(11) AU-A-2024216395  
(21) 2024216395 (22) 28.08.2024  
(54) Use of adenosine diphosphate ribose  
as adjuvant therapy for radiation and/or  
anticancer therapy

(51) Int. Cl.  
**A61K 31/7076** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
(43) 19.09.2024  
(62) 2022341787  
(72) JEONG, Keun-Yeong; PARK, Min Hee  
(74) FPA Patent Attorneys Pty Ltd

(71) PepsiCo, Inc.  
(11) AU-A-2024216445  
(21) 2024216445 (22) 29.08.2024  
(54) Unattended beverage dispensing sys-  
tems and methods

(51) Int. Cl.  
**G05B 15/02** ( 2006.01 )  
**B67D 1/08** ( 2006.01 )  
**B67D 3/00** ( 2006.01 )  
**G05B 15/00** ( 2006.01 )  
**G06F 21/32** ( 2013.01 )  
(43) 19.09.2024  
(62) 2019249109  
(72) CRAWFORD, Robert; KAROL, Sam  
(74) Allens Patent & Trade Mark Attorneys

(71) Personal Genomics Taiwan, Inc.  
(11) AU-A-2024201404  
(21) 2024201404 (22) 01.03.2024  
(54) METHOD, KIT AND CARTRIDGE FOR  
DETECTING NUCLEIC ACID MO-  
LECULE

(51) Int. Cl.  
**C12Q 1/6869** ( 2018.01 )  
(31) 63/449,284 (32) 01.03.23 (33) US  
(43) 19.09.2024  
(72) CHIOU, Chung-Fan; CHEN, Bor-Huah  
(74) Collison & Co

(71) Polaris Pharmaceuticals, Inc.  
(11) AU-A-2023201312  
(21) 2023201312 (22) 02.03.2023  
(54) METHODS OF TREATING CANCERS

(51) Int. Cl.  
**A61K 38/50** ( 2006.01 )  
**A61K 31/197** ( 2006.01 )  
**A61K 31/282** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/513** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 33/243** ( 2019.01 )

**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
(43) 19.09.2024  
(72) CHEN, Hung-Wen; CHEN, Shaw Tsen;  
LIU, Hui-Fen; KUO, Chih-Ling; SHIU,  
Chiung-Fang  
(74) Spruson & Ferguson

(71) Pratt Retail Specialties, LLC  
(11) AU-A-2024216411  
(21) 2024216411 (22) 28.08.2024  
(54) Modular Box Assembly

(51) Int. Cl.  
**B65D 1/22** ( 2006.01 )  
**A61J 1/16** ( 2023.01 )  
**B65D 5/00** ( 2006.01 )  
**B65D 5/24** ( 2006.01 )  
**B65D 5/42** ( 2006.01 )  
**B65D 5/56** ( 2006.01 )  
**B65D 37/00** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
**F25D 23/00** ( 2006.01 )  
(43) 19.09.2024  
(62) 2018260920  
(72) Ott, Paul; Waltermire, Jamie; Sollie,  
Greg  
(74) Golja Haines & Friend

(71) Pratt Retail Specialties, LLC  
(11) AU-A-2024216412  
(21) 2024216412 (22) 28.08.2024  
(54) Modular Box Assembly

(51) Int. Cl.  
**B65D 1/22** ( 2006.01 )  
**A61J 1/16** ( 2023.01 )  
**B65D 5/00** ( 2006.01 )  
**B65D 5/24** ( 2006.01 )  
**B65D 5/42** ( 2006.01 )  
**B65D 5/56** ( 2006.01 )  
**B65D 37/00** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
**F25D 23/00** ( 2006.01 )  
(43) 19.09.2024  
(62) 2018260920  
(72) Ott, Paul; Waltermire, Jamie; Sollie,  
Greg  
(74) Golja Haines & Friend

(71) Pure Fishing, Inc.  
(11) AU-A-2024201394  
(21) 2024201394 (22) 01.03.2024  
(54) Triple lever drag system

(51) Int. Cl.  
**A01K 89/033** ( 2006.01 )  
(31) 63/488391 (32) 03.03.23 (33) US  
18/585964 23.02.24 US  
(43) 19.09.2024  
(72) SVENSSON, Patrik; DISANTE, Rolland  
(74) FPA Patent Attorneys Pty Ltd

(71) Pure Fishing, Inc.  
(11) AU-A-2024201395  
(21) 2024201395 (22) 01.03.2024  
(54) Line clip for fishing reel

**A01K 89/015** ( 2006.01 )  
(31) 63/488073 (32) 02.03.23 (33) US  
(43) 19.09.2024  
(72) IVIE, Cameron  
(74) FPA Patent Attorneys Pty Ltd

(71) Pylon Manufacturing Corp.  
(11) AU-A-2024216465  
(21) 2024216465 (22) 30.08.2024  
(54) Windshield wiper connector and as-  
sembly

(51) Int. Cl.  
**B60S 1/40** ( 2006.01 )  
**B60S 1/04** ( 2006.01 )  
**B60S 1/38** ( 2006.01 )  
**B60S 1/42** ( 2006.01 )  
(43) 19.09.2024  
(62) 2018308154  
(72) GRAHAM, Matthew; KAWASHIMA,  
Hiroshi; YOUNG, Will  
(74) Spruson & Ferguson

(71) QJumpers Technologies Limited  
(11) AU-A-2024201408  
(21) 2024201408 (22) 03.03.2024  
(54) A Machine Learning System and Pro-  
cess for Categorising Job Candidates

(51) Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**G06Q 10/0631** ( 2023.01 )  
**G06Q 10/1053** ( 2023.01 )  
**G06F 16/215** ( 2019.01 )  
**G06F 18/243** ( 2023.01 )  
**G06N 5/01** ( 2023.01 )  
(31) 797853 (32) 03.03.23 (33) NZ  
(43) 19.09.2024  
(72) Oldham, Simon  
(74) Origin Patent and Trade Mark Attorneys

(71) Qualcomm Incorporated  
(11) AU-A-2024216475  
(21) 2024216475 (22) 30.08.2024  
(54) IDENTIFYING LANDING ZONES FOR  
LANDING OF A ROBOTIC VEHICLE

(51) Int. Cl.  
**G08G 5/00** ( 2006.01 )  
**G08G 5/02** ( 2006.01 )  
(43) 19.09.2024  
(62) 2019206386  
(72) KASILYA SUDARSAN, Vishnu Vardhan;  
TAVEIRA, Michael Franco; RAGHAV-  
ENDRAN, Sathiya Narayanan  
(74) Madderns Pty Ltd

(71) Quickstyle Industries Inc.  
(11) AU-A-2024216505  
(21) 2024216505 (22) 30.08.2024  
(54) Densified foam core (DFC) tile with imi-  
tation grout line

(51) Int. Cl.  
**E04F 15/10** ( 2006.01 )  
(43) 19.09.2024  
(62) 2022201452  
(72) ALFIERI, Michele; COUREY, Stephen  
(74) Spruson & Ferguson

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(71) RAD Technology Medical Systems, LLC  
 (11) AU-A-2024216431  
 (21) 2024216431 (22) 29.08.2024  
 (54) SHIELDING FACILITY AND METHOD OF MAKING THEREOF  
 (51) Int. Cl.  
**G21C 11/00** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022215224  
 (72) Ford, John; Johnston, Ron; Keppel, Cynthia; Ambrozewicz, Pawel; Landau, Eric; Oquist, Cheri; Lefkus, John  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2024216498  
 (21) 2024216498 (22) 30.08.2024  
 (54) DEVICES AND METHODS FOR OVERFILLING DRUG CONTAINERS  
 (51) Int. Cl.  
**B65B 3/00** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2017420758  
 (72) Dix, Daniel B.; Kamen, Douglas; Graham, Kenneth S.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2024216527  
 (21) 2024216527 (22) 02.09.2024  
 (54) NON-HUMAN ANIMALS HAVING A HUMANIZED SIGNAL-REGULATORY PROTEIN GENE  
 (51) Int. Cl.  
**A01K 67/027** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C12N 15/90** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2020286187  
 (72) Murphy, Andrew J.; Thurston, O. Gavin; Varghese, Bindu; Gurer, Cagan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Regeneron Pharmaceuticals Inc.; Sanofi Biotechnology  
 (11) AU-A-2024205683  
 (21) 2024205683 (22) 12.08.2024  
 (54) Methods for treating or preventing asthma by administering an il-4r antagonist  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
 (43) 19.09.2024  
 (62) 2020277207  
 (72) Ardeleanu, Marius; Gandhi, Namita; Graham, Neil; Kirkesseli, Stephane C.; Kundu, Sudeep; Radin, Allen; Rocklin, Ross E.; Weinstein, Steven; Davidson Hamilton, Jennifer; Ming, Jeffrey  
 (74) Griffith Hack

(71) Relativity Space, Inc.  
 (11) AU-A-2024201409  
 (21) 2024201409 (22) 03.03.2024

(54) Systems and Methods for Welding Using Cryogenic Sources  
 (51) Int. Cl.  
**B23K 26/348** ( 2014.01 )  
**B23K 26/70** ( 2014.01 )  
 (31) 63/488,362 (32) 03.03.23 (33) US  
 (43) 19.09.2024  
 (72) Reid, Michael; Gruber, Fritz; Krol, Jeremy; Johns, Jenna  
 (74) Monks IP

(71) Renewable Energy Group, Inc.  
 (11) AU-A-2024216433  
 (21) 2024216433 (22) 29.08.2024  
 (54) Methods and devices for producing biodiesel, diesel-range hydrocarbons, and products obtained therefrom  
 (51) Int. Cl.  
**A23D 9/02** ( 2006.01 )  
**B01F 23/20** ( 2022.01 )  
**C10G 3/00** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019262044  
 (72) WHITE, James Matthew; SLADE, David A.; HAVERLY, Martin R.; ABHARI, Ramin; ELLENS, Cody J.  
 (74) Spruson & Ferguson

(71) Route 92 Medical, Inc.  
 (11) AU-A-2024216366  
 (21) 2024216366 (22) 27.08.2024  
 (54) RAPID ASPIRATION THROMBECTOMY SYSTEM AND METHOD  
 (51) Int. Cl.  
**A61M 29/00** ( 2006.01 )  
**A61B 17/22** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**A61B 17/221** ( 2006.01 )  
**A61M 25/06** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022204503  
 (72) Garrison, Michi E.; Wilson, Scott D.; Chou, Tony M.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2024216521  
 (21) 2024216521 (22) 02.09.2024  
 (54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/423** ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2019332547  
 (72) Choi, Narae; Park, Minwoo  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2024216522  
 (21) 2024216522 (22) 02.09.2024  
 (54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS  
 (51) Int. Cl.

(51) Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/423** ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2019332547  
 (72) Choi, Narae; Park, Minwoo  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2024216523  
 (21) 2024216523 (22) 02.09.2024  
 (54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/423** ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2019332547  
 (72) Choi, Narae; Park, Minwoo  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2024216524  
 (21) 2024216524 (22) 02.09.2024  
 (54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/423** ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2019332547  
 (72) Choi, Narae; Park, Minwoo  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) SAMSUNG ELECTRONICS CO., LTD.  
 (11) AU-A-2024219358  
 (21) 2024219358 (22) 03.09.2024  
 (54) Electronic device with metal frame antenna  
 (51) Int. Cl.  
**H01Q 1/24** ( 2006.01 )  
**H01Q 1/48** ( 2006.01 )  
**H04M 1/02** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
**H05K 5/04** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2023200001  
 (72) KIM, Jaehyung; BANG, Jinkyu; KIM, Jinu; KIM, Donghwan; KIM, Taegyung; CHANG, Kiyoung  
 (74) Griffith Hack

Sanofi Biotechnology see Regeneron Pharmaceuticals Inc.  
 (21) 2024205683

(71) Scott, A.  
 (11) AU-A-2024201400  
 (21) 2024201400 (22) 01.03.2024  
 (54) A CRIMPING TOOL  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**H01R 43/042** ( 2006.01 )  
**B25B 7/02** ( 2006.01 )  
**B25B 7/08** ( 2006.01 )  
**B25B 7/12** ( 2006.01 )  
**B25B 27/02** ( 2006.01 )  
**H01R 4/18** ( 2006.01 )  
**H01R 4/2495** ( 2018.01 )  
**H01R 9/05** ( 2006.01 )  
**H01R 43/048** ( 2006.01 )  
**H01R 43/01** ( 2006.01 )  
**H02G 1/00** ( 2006.01 )  
**H02G 1/12** ( 2006.01 )  
**(31)** 2023900552 **(32)** 02.03.23 **(33)** AU  
**(43)** 19.09.2024  
**(72)** Scott, Adam  
**(74)** Griffith Hack

**(71)** Scuola Internazionale Superiore di Studi Avanzati - Sissa; University of Southern California; The Regents of The University of California  
**(11)** AU-A-2024216471  
**(21)** 2024216471 **(22)** 30.08.2024  
**(54)** TRANSCUTANEOUS ELECTRICAL SPINAL CORD NEUROMODULATOR AND USES THEREOF  
**(51)** Int. Cl.  
**A61N 1/18** ( 2006.01 )  
**A47K 13/00** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2020279753  
**(72)** GAD, Parag; EDGERTON, Victor Reggie; TACCOLA, Giuliano; KREYDIN, Evgeniy I.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Seinda Pharmaceutical Guangzhou Corporation  
**(11)** AU-A-2024216339  
**(21)** 2024216339 **(22)** 26.08.2024  
**(54)** OPHTHALMIC PHARMACEUTICAL COMPOSITION, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**A61K 9/10** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 38/05** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019212565  
**(72)** LIU, Zuguo; ZHAO, Yufen; HUANG, Caihong; WU, Yang; TANG, Guo; LIU, Yan; XU, Pengxiang  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Shaw Industries Group, Inc.  
**(11)** AU-A-2024216481  
**(21)** 2024216481 **(22)** 30.08.2024  
**(54)** Carpet tiles and systems and methods of making same  
**(51)** Int. Cl.  
**B64D 45/00** ( 2006.01 )  
**D04H 11/00** ( 2006.01 )  
**D05C 17/02** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2018243647  
**(72)** SEGARS, Jeffery Wayne; SUHM, Jill Glascock; DAVIS, Joseph K.; MAIN JR., William  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Simpson Strong-Tie A/S  
**(11)** AU-A-2024219355  
**(21)** 2024219355 **(22)** 03.09.2024  
**(54)** Methods for selecting, inspecting, and evaluating brackets and their fastening configurations in construction  
**(51)** Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**E04B 1/24** ( 2006.01 )  
**E04B 1/26** ( 2006.01 )  
**G01B 11/02** ( 2006.01 )  
**G06V 10/10** ( 2022.01 )  
**G06V 30/14** ( 2022.01 )  
**(43)** 19.09.2024  
**(62)** 2021234984  
**(72)** HANSEN, Jacob  
**(74)** Spruson & Ferguson

**(71)** Snap-on Incorporated  
**(11)** AU-A-2024216531  
**(21)** 2024216531 **(22)** 02.09.2024  
**(54)** SLIDE HAMMER WEIGHTS  
**(51)** Int. Cl.  
**B25D 1/16** ( 2006.01 )  
**B25B 27/02** ( 2006.01 )  
**B25D 17/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2022218471  
**(72)** SCHULZ, Benjamin T.  
**(74)** Griffith Hack

**(71)** Somero Enterprises, Inc.  
**(11)** AU-A-2024216538  
**(21)** 2024216538 **(22)** 02.09.2024  
**(54)** Concrete screeding system with boom mounted screed head  
**(51)** Int. Cl.  
**E01C 19/23** ( 2006.01 )  
**E01C 19/30** ( 2006.01 )  
**E01C 19/41** ( 2006.01 )  
**E01C 23/01** ( 2006.01 )  
**E01C 23/06** ( 2006.01 )  
**E01C 23/07** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2022202202  
**(72)** PIETILA, Mark A.; HALONEN, Philip D.; KANGAS, James E.; QUENZI, Philip J.  
**(74)** Griffith Hack

**(71)** Spark Therapeutics, Inc.  
**(11)** AU-A-2024219336  
**(21)** 2024219336 **(22)** 03.09.2024  
**(54)** FACTOR VIII (FVIII) GENE THERAPY METHODS  
**(51)** Int. Cl.  
**A61K 38/37** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 14/755** ( 2006.01 )

**(43)** 19.09.2024  
**(62)** 2018312565  
**(72)** ANQUELA, Xavier  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** SWIMC LLC  
**(11)** AU-A-2024219345  
**(21)** 2024219345 **(22)** 03.09.2024  
**(54)** Urethane acrylic hybrid polymer dispersion with robust dry/wet adhesion and basecoats prepared therefrom  
**(51)** Int. Cl.  
**C08G 18/08** ( 2006.01 )  
**C08F 283/00** ( 2006.01 )  
**C08G 18/32** ( 2006.01 )  
**C08G 18/44** ( 2006.01 )  
**C09D 151/08** ( 2006.01 )  
**C09D 175/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019218975  
**(72)** YU, Zhangqing; JAVADI, Ali; SURY-AWANSI, Abhijit J.; SINCLAIR, Alexandra K.  
**(74)** Spruson & Ferguson

**(71)** Sybal Enterprises Inc  
**(11)** AU-A-2024200863  
**(21)** 2024200863 **(22)** 11.02.2024  
**(54)** SYSTEM AND METHOD FOR MANAGING DIGITAL GOVERNANCE IN DIGITAL ECOSYSTEM  
**(51)** Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**G06F 21/10** ( 2013.01 )  
**G06N 5/01** ( 2023.01 )  
**G06N 5/025** ( 2023.01 )  
**G06N 5/045** ( 2023.01 )  
**(31)** 1775904 **(32)** 02.03.23 **(33)** US  
**(43)** 19.09.2024  
**(72)** Christine Nichole, Sanni; Ikhelowa Usman, Sanni  
**(74)** Sheharyar Ali

**(71)** Takeda Pharmaceutical Company Limited  
**(11)** AU-A-2024216301  
**(21)** 2024216301 **(22)** 23.08.2024  
**(54)** POOLING DEVICE FOR SINGLE OR MULTIPLE CONTAINERS  
**(51)** Int. Cl.  
**A61J 1/20** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 39/00** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2023200572  
**(72)** SCHWEISS, Mark David; ROUSH, Daniel E.; HOLZNER, Stefan; JONES, Seth Dale; LOOPER, Anthony Martin; DHYANI, Tejas; SHAH, Michelle; GIBSON, Madeleine Clare; CHUNG, Jessica  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

**(71)** Tencent America LLC  
**(11)** AU-A-2024216462



Applications Open to Public Inspection - Name Index cont'd

(21) 2024216462 (22) 30.08.2024  
 (54) METHOD AND APPARATUS FOR PREDICTOR CANDIDATE LIST SIZE SIGNALING FOR INTRA PICTURE BLOCK COMPENSATION  
 (51) Int. Cl.  
**H04N 19/105** ( 2014.01 )  
 (43) 19.09.2024  
 (62) 2023201023  
 (72) XU, Xiaozhong; LI, Xiang; LIU, Shan  
 (74) Griffith Hack

(71) Terumo BCT, Inc.  
 (11) AU-A-2024216396  
 (21) 2024216396 (22) 28.08.2024  
 (54) System for high-throughput blood component collection  
 (51) Int. Cl.  
**A61M 1/38** ( 2006.01 )  
**A61M 1/02** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2022287568  
 (72) Felt, Thomas J.; Hlavinka, Dennis J.; Holmes, Brian M.; O'Brien, Peter; Polodna, Taylor  
 (74) Griffith Hack

(71) The Boeing Company  
 (11) AU-A-2023285733  
 (21) 2023285733 (22) 19.12.2023  
 (54) Systems and methods to identify cargo  
 (51) Int. Cl.  
**G06Q 10/0833** ( 2023.01 )  
**G06Q 10/087** ( 2023.01 )  
 (31) 18/176,693 (32) 01.03.23 (33) US  
 (43) 19.09.2024  
 (72) CALLAHAN, Kevin S.  
 (74) Spruson & Ferguson

(71) The Flinders University of South Australia  
 (11) AU-A-2024216467  
 (21) 2024216467 (22) 30.08.2024  
 (54) BACTERIAL INOCULANTS  
 (51) Int. Cl.  
**A01N 63/00** ( 2020.01 )  
**C12N 1/20** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018259162  
 (72) Franco, Christopher Milton Mathew  
 (74) Madderns Pty Ltd

(71) The Raymond Corporation  
 (11) AU-A-2024201269  
 (21) 2024201269 (22) 26.02.2024  
 (54) Systems and methods for generating coverage fields for obstacle detection  
 (51) Int. Cl.  
**G01C 21/04** ( 2006.01 )  
**B66F 9/06** ( 2006.01 )  
**B66F 17/00** ( 2006.01 )  
**G01C 7/04** ( 2006.01 )  
**G01S 13/46** ( 2006.01 )  
 (31) 63/449,133 (32) 01.03.23 (33) US

(43) 19.09.2024  
 (72) D'ACCOLTI, Anthony V.; SUNNY, Joel N.; MCLACHLAN, Robert P.  
 (74) GLMR

(71) The Regents of the University of California  
 (11) AU-A-2024216493  
 (21) 2024216493 (22) 30.08.2024  
 (54) Cerebral dural venous sinus stent  
 (51) Int. Cl.  
**A61F 2/86** ( 2013.01 )  
**A61F 2/01** ( 2006.01 )  
**A61F 2/06** ( 2013.01 )  
**A61F 2/82** ( 2013.01 )  
**A61F 2/89** ( 2013.01 )  
**A61F 2/90** ( 2013.01 )

(43) 19.09.2024  
 (62) 2021229505  
 (72) AMANS, Matthew  
 (74) Spruson & Ferguson

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 (21) 2024216471

(71) The Regents of the University of Michigan  
 (11) AU-A-2024205783  
 (21) 2024205783 (22) 15.08.2024  
 (54) Small molecule inhibitors of shared epitope-calreticulin interactions and methods of use  
 (51) Int. Cl.  
**C07D 211/00** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61K 31/4523** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**C07D 211/14** ( 2006.01 )  
**C07D 211/22** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018366022  
 (72) HOLOSHITZ, Joseph; WHITE, Andrew  
 (74) Pearce IP Pty Ltd

(71) The Reliable Automatic Sprinkler Co. Inc.  
 (11) AU-A-2024216427  
 (21) 2024216427 (22) 29.08.2024  
 (54) Dry sprinkler  
 (51) Int. Cl.  
**A62C 37/10** ( 2006.01 )  
**A62C 3/00** ( 2006.01 )  
**A62C 35/58** ( 2006.01 )  
**A62C 35/62** ( 2006.01 )  
**A62C 37/08** ( 2006.01 )  
**A62C 37/14** ( 2006.01 )

(43) 19.09.2024  
 (62) 2023200232  
 (72) POLAN, George  
 (74) FB Rice Pty Ltd  
 (71) The University of Melbourne  
 (11) AU-A-2024216495  
 (21) 2024216495 (22) 30.08.2024

(54) Compositions and methods for promoting mineralization  
 (51) Int. Cl.  
**A61K 6/838** ( 2020.01 )  
**A61K 8/21** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 33/06** ( 2006.01 )  
**A61K 33/16** ( 2006.01 )  
**A61K 33/42** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2020234299  
 (72) REYNOLDS, Eric Charles  
 (74) FPA Patent Attorneys Pty Ltd

(71) Tillotts Pharma AG  
 (11) AU-A-2024219328  
 (21) 2024219328 (22) 03.09.2024  
 (54) PREPARATION OF SOLID DOSAGE FORMS COMPRISING ANTIBODIES BY SOLUTION/SUSPENSION LAYERING  
 (51) Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2018337493  
 (72) Varum, Felipe; Von Rochow, Laetitia; Götz, Carmen; Bravo, Roberto  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Topikos Scientific, Inc.  
 (11) AU-A-2024219343  
 (21) 2024219343 (22) 03.09.2024  
 (54) Antimicrobial organosilanes  
 (51) Int. Cl.  
**A61K 31/695** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61L 31/16** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2020365197  
 (72) ALLRED, Gary; LIEBESKIND, Lanny; CAST, William R.; HILLIARD, Carl  
 (74) Davies Collison Cave Pty Ltd

(71) Topikos Scientific, Inc.  
 (11) AU-A-2024219352  
 (21) 2024219352 (22) 03.09.2024  
 (54) Antimicrobial organosilanes  
 (51) Int. Cl.  
**A61K 31/695** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61L 31/16** ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2020365197  
 (72) ALLRED, Gary; LIEBESKIND, Lanny; CAST, William R.; HILLIARD, Carl  
 (74) Davies Collison Cave Pty Ltd

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.  
 (11) AU-A-2024201275  
 (21) 2024201275 (22) 26.02.2024  
 (54) Operation management system  
 (51) Int. Cl.  
**B60W 40/06** ( 2012.01 )

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**B60W 30/14** ( 2006.01 )  
**B60W 60/00** ( 2020.01 )  
**G01C 21/30** ( 2006.01 )  
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**G06V 20/56** ( 2022.01 )  
**(31)** 2023-032574 **(32)** 03.03.23 **(33)** JP  
**(43)** 19.09.2024  
**(72)** OKANO, Takahiro; TAKASHIMA, Toru; NOZAWA, Yusuke; MIZOO, Shun; HIR-ANAKA, Takashi; OSAGAWA, Kenta; KONISHI, Shota  
**(74)** Spruson & Ferguson

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2024201074  
**(21)** 2024201074 **(22)** 20.02.2024  
**(54)** DOOR LOCKING MECHANISM DE-TERMINATION AND VERIFICATION SYSTEM AND METHOD  
**(51)** Int. Cl.  
**E05B 81/70** ( 2014.01 )  
**E05B 47/02** ( 2006.01 )  
**E05B 81/72** ( 2014.01 )  
**E05B 83/04** ( 2014.01 )  
**E05F 15/659** ( 2015.01 )  
**E05F 15/70** ( 2015.01 )  
**G05B 11/01** ( 2006.01 )  
**(31)** 63/449,885 **(32)** 03.03.23 **(33)** US  
 18/405,057 05.01.24 US  
**(43)** 19.09.2024  
**(72)** Sowie, Nathan; Ali, Afsar; Kobel, Karl J.; Heidrich, Peter  
**(74)** K&L Gates

**Trina Solar (Suqian) Photoelectric Co., Ltd.**  
 see **Trina Solar Co., Ltd.**  
**(21)** 2024216432

**(71)** Trina Solar Co., Ltd.  
**(11)** AU-A-2024216358  
**(21)** 2024216358 **(22)** 26.08.2024  
**(54)** An interdigitated back contact cell and manufacturing method thereof  
**(51)** Int. Cl.  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/05** ( 2014.01 )  
**(31)** 202311390094.3 **(32)** 25.10.23 **(33)** CN  
**(43)** 19.09.2024  
**(72)** LIU, Wei; HU, Yunyun; LIU, Zhiyun; CHEN, Daming  
**(74)** FB Rice Pty Ltd

**(71)** Trina Solar Co., Ltd.  
**(11)** AU-A-2024216424  
**(21)** 2024216424 **(22)** 29.08.2024  
**(54)** Solar cell, sliced cell and manufacturing method thereof, photovoltaic module, and photovoltaic system  
**(51)** Int. Cl.  
**H01L 31/042** ( 2014.01 )  
**H01L 21/78** ( 2006.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/18** ( 2006.01 )  
**(31)** 202311250282.6 **(32)** 25.09.23 **(33)** CN

**(43)** 19.09.2024  
**(72)** CHEN, Hong; CHEN, Yifeng; LIU, Di; DU, Wenxing  
**(74)** FB Rice Pty Ltd

**(71)** Trina Solar Co., Ltd.; Trina Solar (Suqian) Photoelectric Co., Ltd.  
**(11)** AU-A-2024216432  
**(21)** 2024216432 **(22)** 29.08.2024  
**(54)** METHOD FOR PREPARING SOLAR CELL  
**(51)** Int. Cl.  
**H01L 31/18** ( 2006.01 )  
**H01L 21/22** ( 2006.01 )  
**H01L 31/0352** ( 2006.01 )  
**H01L 31/068** ( 2012.01 )  
**(43)** 19.09.2024  
**(62)** 2023258373  
**(72)** Liu, Chengfa; Wu, Xiaopeng; Zhang, Yaqian; Zou, Yang; Lu, Yugang; Zhang, Shuai; Chen, Hong; Chen, Daming; Chen, Yifeng  
**(74)** Madderns Pty Ltd

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**(21)** 2024216471

**(71)** University of Virginia Patent Foundation  
**(11)** AU-A-2024216506  
**(21)** 2024216506 **(22)** 30.08.2024  
**(54)** Improved accuracy continuous glucose monitoring method, system, and device  
**(51)** Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2023200213  
**(72)** Facchinetti, Andrea; Sparacino, Giovanni; Cobelli, Claudio; Kovatchev, Boris P.  
**(74)** Griffith Hack

**(71)** Vaccinex, Inc.  
**(11)** AU-A-2024216306  
**(21)** 2024216306 **(22)** 23.08.2024  
**(54)** Anti-CCR8 antibodies and uses thereof  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2021205877  
**(72)** HOLLAND, Pamela M.; LAKE, Andrew; DULAK, Austin; SMITH, Ernest; SCRIVENS, Maria; HARVEY, Carrie; KIRK, Renee; BALCH, Leslie; DAS, Sonia G.; WELLS, Christopher Converse  
**(74)** Spruson & Ferguson

**(71)** VDMS Canada Inc.  
**(11)** AU-A-2024219344  
**(21)** 2024219344 **(22)** 03.09.2024  
**(54)** Dispensing and live inventory management system and methods thereof  
**(51)** Int. Cl.

**B65G 1/16** ( 2006.01 )  
**A47F 7/00** ( 2006.01 )  
**A47F 7/28** ( 2006.01 )  
**F21K 9/00** ( 2016.01 )  
**F21S 4/20** ( 2016.01 )  
**G06Q 10/08** ( 2023.01 )  
**G08B 5/36** ( 2006.01 )  
**H05B 45/00** ( 2022.01 )  
**(43)** 19.09.2024  
**(62)** 2018330849  
**(72)** DRAGO, Patrick; KEEVERS, Martin  
**(74)** Griffith Hack

**(71)** Vedanta Biosciences, Inc.  
**(11)** AU-A-2024216443  
**(21)** 2024216443 **(22)** 29.08.2024  
**(54)** Treatment of Clostridium difficile infection  
**(51)** Int. Cl.  
**A61K 35/74** ( 2015.01 )  
**A61K 35/742** ( 2015.01 )  
**C12N 1/20** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2017285211  
**(72)** SCHNEIDER, Jessica; KIM, Yun-Gi; OLLE, Bernat; REDDY, Shilpa; NORMAN, Jason; PATARROYO, Juan  
**(74)** Spruson & Ferguson

**(71)** VeroScience LLC  
**(11)** AU-A-2024216408  
**(21)** 2024216408 **(22)** 28.08.2024  
**(54)** Improved bromocriptine formulations  
**(51)** Int. Cl.  
**A61K 31/475** ( 2006.01 )  
**A61K 31/48** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2018351131  
**(72)** CINCOTTA, Anthony H.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Wisconsin Alumni Research Foundation  
**(11)** AU-A-2024216477  
**(21)** 2024216477 **(22)** 30.08.2024  
**(54)** SYSTEMS AND METHODS FOR SORTING T CELLS BY ACTIVATION STATE  
**(51)** Int. Cl.  
**G01N 15/14** ( 2006.01 )  
**G01N 33/49** ( 2006.01 )  
**(43)** 19.09.2024  
**(62)** 2019333082  
**(72)** SKALA, Melissa Caroline; WALSH, Alexandra Jule  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Wright, J.  
**(11)** AU-A-2024201358  
**(21)** 2024201358 **(22)** 29.02.2024  
**(54)** Footing Plate Assembly  
**(51)** Int. Cl.  
**E04H 12/22** ( 2006.01 )  
**E02D 5/54** ( 2006.01 )  
**E02D 27/42** ( 2006.01 )

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(31) 2023900537 (32) 01.03.23 (33) AU  
 (43) 19.09.2024  
 (72) Wright, Joseph Boyd  
 (74) Michael Buck IP

*A61K 9/20* ( 2006.01 )  
*A61K 9/107* ( 2006.01 )  
*A61K 9/127* ( 2006.01 )  
*A61K 31/505* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/12* ( 2006.01 )  
*A61K 47/14* ( 2017.01 )  
*A61P 3/06* ( 2006.01 )

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(71) YETI Coolers, LLC  
 (11) AU-A-2024219333  
 (21) 2024219333 (22) 03.09.2024  
 (54) Container and method of forming a container  
 (51) Int. Cl.  
*A47J 41/00* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2023200658  
 (72) TOLMAN, John Alan; NICHOLS, Steve Charles; ABANTE, Edward  
 (74) GLMR

(43) 19.09.2024  
 (62) 2018255510  
 (72) SZTO, Gregory Yu Foo; MADMON, Tomer; KANNAR, David  
 (74) FPA Patent Attorneys Pty Ltd

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**Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd see nthalmic holding Pty Ltd**  
 (21) 2024216518

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(71) Ypsomed AG  
 (11) AU-A-2024219351  
 (21) 2024219351 (22) 03.09.2024  
 (54) Insulin delivery systems, methods, and devices  
 (51) Int. Cl.  
*G16H 20/10* ( 2018.01 )  
*G16H 20/17* ( 2018.01 )  
 (43) 19.09.2024  
 (62) 2021276579  
 (72) HAIDAR, Ahmad Mohamad  
 (74) Spruson & Ferguson

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(71) Yuhan Corporation  
 (11) AU-A-2024216519  
 (21) 2024216519 (22) 02.09.2024  
 (54) Pharmaceutical composition for oral administration comprising aminopyrimidine derivative or its salt  
 (51) Int. Cl.  
*A61K 9/20* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
 (43) 19.09.2024  
 (62) 2019360446  
 (72) KIM, Seongkyu; LEE, Deokkyu; KIM, Soo-Won; YANG, Jun-Mo; PARK, Yoong-Sik  
 (74) Spruson & Ferguson

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(71) Yumdrum Pty Ltd  
 (11) AU-A-2023248195  
 (21) 2023248195 (22) 13.10.2023  
 (54) REINFORCING SUPPORT CHAIR  
 (51) Int. Cl.  
*E04C 5/20* ( 2006.01 )  
*E04C 5/16* ( 2006.01 )  
 (31) 2023900549 (32) 02.03.23 (33) AU  
 (43) 19.09.2024  
 (72) Fazzari, Trevor James  
 (74) Madderns Pty Ltd

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(71) Zeenar Enterprises Pty Ltd  
 (11) AU-A-2024216484  
 (21) 2024216484 (22) 30.08.2024  
 (54) Liquid crystalline dosage form for administering a statin  
 (51) Int. Cl.

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| 2024216541 | Applied Medical Resources Corporation   |
| 2024216542 | Danisco US Inc  |
| 2024216543 | Nuritas Limited   |
| 2024216546 | Otsuka Pharmaceutical Co., Ltd.   |
| 2024216550 | Fortescue Ltd   |
| 2024219328 | Tillotts Pharma AG  |
| 2024219329 | Compagnie Generale des Etablissements Michelin                                  |
| 2024219332 | Aus Group Alliance Pty Ltd  |
| 2024219333 | YETI Coolers, LLC   |
| 2024219335 | Genzyme Corporation   |
| 2024219336 | Spark Therapeutics, Inc.  |
| 2024219338 | Cognian Technologies Ltd  |
| 2024219340 | Huawei Technologies Co., Ltd.   |
| 2024219343 | Topikos Scientific, Inc.  |
| 2024219344 | VDMS Canada Inc.  |
| 2024219345 | SWIMC LLC   |
| 2024219350 | Amgen Inc.  |
| 2024219351 | Ypsomed AG  |
| 2024219352 | Topikos Scientific, Inc.  |
| 2024219353 | Johnson Controls Technology Company   |
| 2024219355 | Simpson Strong-Tie A/S  |
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| <b>A47J 33 /-</b><br>2023202201               |   |  | <b>A61P 31 /-</b><br>2024205755<br>2024216419   | <b>B01F 23 /-</b><br>2024216433               | <b>B62D 53 /-</b><br>2024219329               |
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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**(71)** FAIR OCEAN TRADING AUSTRALIA  
PTY LTD

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**(54)** LOCKABLE POUCH FOR A MOBILE  
PHONE

**(51)** Int. Cl.

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**(45)** 19.09.2024

**(62)** 2021101508

**(72)** Deng, Yichao

**(74)** Koch IP Pty Ltd

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|---|---|---|
| <p>(71) 10X GENOMICS, INC.<br/>                     (11) AU-A-2023243205<br/>                     (21) 2023243205 (22) 31.03.2023<br/>                     (54) COMPOSITIONS AND METHODS FOR TARGETED MASKING OF AUTO-FLUORESCENCE<br/>                     (51) Int. Cl.<br/>                     G01N 33/50 ( 2006.01 )<br/>                     C12Q 1/6841 ( 2018.01 )<br/>                     G01N 33/543 ( 2006.01 )<br/>                     (87) WO2023/192616<br/>                     (31) 63/326,698 (32) 01.04.22 (33) US<br/>                     (43) 05.10.2023<br/>                     (72) CHEN, Hong; DELANEY, Joshua; LUO, Yi; TJANDRA, Meiliana<br/>                     (74) Spruson &amp; Ferguson</p>  | <p>(51) Int. Cl.<br/>                     C07F 7/08 ( 2006.01 )<br/>                     C07F 9/40 ( 2006.01 )<br/>                     (87) WO2023/163986<br/>                     (31) 63/313,115 (32) 23.02.22 (33) US<br/>                     (43) 31.08.2023<br/>                     (72) ASIRVATHAM, Edward;<br/>                     ANANTHAPADMANABHAN, Kavssery;<br/>                     KUMARI, Harshita; MITTAPALLI,<br/>                     Ramana; MIRZAMANI, Marzieh<br/>                     (74) Davies Collison Cave Pty Ltd</p>   | <p>(71) AI21 LABS<br/>                     (11) AU-A-2023264499<br/>                     (21) 2023264499 (22) 02.05.2023<br/>                     (54) READING ASSISTANT<br/>                     (51) Int. Cl.<br/>                     G06F 40/35 ( 2020.01 )<br/>                     G06F 3/04855 ( 2022.01 )<br/>                     G06F 16/903 ( 2019.01 )<br/>                     (87) WO2023/215260<br/>                     (31) 63/337,323 (32) 02.05.22 (33) US<br/>                     (43) 09.11.2023<br/>                     (72) GOSHEN, Ori; SHOHAM, Yoav; EINY,<br/>                     Guy; DAGAN, Or; LENZ, Barak; OS-<br/>                     IN, Yoni; PELEG LEVY, Yuval; DEAN,<br/>                     Oren; ZELDES, Yoel; FADLON, Julie;<br/>                     MERFELD, Danielle<br/>                     (74) RnB IP Pty Ltd</p>   |
| <p>(71) ADAMA MAKHTESHIM LTD.<br/>                     (11) AU-A-2023227455<br/>                     (21) 2023227455 (22) 03.03.2023<br/>                     (54) FUNGICIDAL COMBINATIONS, MIX-<br/>                     TURES AND COMPOSITIONS AND<br/>                     USES THEREOF<br/>                     (51) Int. Cl.<br/>                     A01N 43/54 ( 2006.01 )<br/>                     (87) WO2023/166485<br/>                     (31) 63/316,366 (32) 03.03.22 (33) US<br/>                     (43) 07.09.2023<br/>                     (72) CONESE, Salvatore; ROSENMUND,<br/>                     Alexandra<br/>                     (74) Davies Collison Cave Pty Ltd</p>   | <p>(71) AGILENT TECHNOLOGIES, INC.<br/>                     (11) AU-A-2023221441<br/>                     (21) 2023221441 (22) 21.02.2023<br/>                     (54) SYSTEMS AND METHODS FOR TAR-<br/>                     GETED NUCLEIC ACID CAPTURE<br/>                     AND BARCODING<br/>                     (51) Int. Cl.<br/>                     C12Q 1/6853 ( 2018.01 )<br/>                     C12Q 1/6816 ( 2018.01 )<br/>                     C12Q 1/6874 ( 2018.01 )<br/>                     (87) WO2023/159250<br/>                     (31) 63/311,876 (32) 18.02.22 (33) US<br/>                     (43) 24.08.2023<br/>                     (72) LIN, Shengrong; BAO, Yun<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>   | <p>(71) AKOUOS, INC.<br/>                     (11) AU-A-2023215253<br/>                     (21) 2023215253 (22) 01.02.2023<br/>                     (54) ANTI-VEGF ANTIBODY CON-<br/>                     STRUCTS AND RELATED METH-<br/>                     ODS FOR TREATING VESTIBULAR<br/>                     SCHWANNOMA ASSOCIATED SYMP-<br/>                     TOMS<br/>                     (51) Int. Cl.<br/>                     C07K 16/22 ( 2006.01 )<br/>                     A61K 9/00 ( 2006.01 )<br/>                     A61K 48/00 ( 2006.01 )<br/>                     A61P 27/16 ( 2006.01 )<br/>                     C07K 14/71 ( 2006.01 )<br/>                     C12N 15/86 ( 2006.01 )<br/>                     (87) WO2023/150142<br/>                     (31) 63/305,923 (32) 02.02.22 (33) US<br/>                     (43) 10.08.2023<br/>                     (72) SIMONS, Emmanuel John; NG, Robert;<br/>                     MCKENNA, Michael John<br/>                     (74) Davies Collison Cave Pty Ltd</p> |
| <p>(71) ADARX PHARMACEUTICALS, INC.<br/>                     (11) AU-A-2023227871<br/>                     (21) 2023227871 (22) 01.03.2023<br/>                     (54) CB1 LIGAND CONJUGATED COM-<br/>                     POUNDS AND USES THEREOF<br/>                     (51) Int. Cl.<br/>                     A61K 31/395 ( 2006.01 )<br/>                     A61K 31/015 ( 2006.01 )<br/>                     A61K 31/404 ( 2006.01 )<br/>                     A61K 31/33 ( 2006.01 )<br/>                     (87) WO2023/168296<br/>                     (31) 63/315,472 (32) 01.03.22 (33) US<br/>                     63/327,345 04.04.22 US<br/>                     (43) 07.09.2023<br/>                     (72) LI, Zhen; ZHU, Rui; NUMA, Mehdi,<br/>                     Michel Djamel; CHIRUTA, Chan-<br/>                     dramouli<br/>                     (74) Pizzeys Patent and Trade Mark Attor-<br/>                     neys Pty Ltd</p> | <p>(71) AG PLENUS LTD<br/>                     (11) AU-A-2023239678<br/>                     (21) 2023239678 (22) 20.03.2023<br/>                     (54) PESTICIDAL AND HERBICIDAL COM-<br/>                     POUNDS AND METHODS OF USE<br/>                     THEREOF<br/>                     (51) Int. Cl.<br/>                     C07C 229/30 ( 2006.01 )<br/>                     A01N 1/00 ( 2006.01 )<br/>                     A01N 37/18 ( 2006.01 )<br/>                     C07C 229/46 ( 2006.01 )<br/>                     C07C 311/51 ( 2006.01 )<br/>                     (87) WO2023/181030<br/>                     (31) 291575 (32) 21.03.22 (33) IL<br/>                     (43) 28.09.2023<br/>                     (72) INBAL, Boaz; WEXSELBLATT,<br/>                     Ezequiel; FREUD, Yehoshua; LOTHAR,<br/>                     Willms<br/>                     (74) Davies Collison Cave Pty Ltd</p> | <p>(71) ALCON INC.<br/>                     (11) AU-A-2023257643<br/>                     (21) 2023257643 (22) 10.04.2023<br/>                     (54) DIGITAL AWARENESS SYSTEM FOR<br/>                     OPHTHALMIC SURGERY<br/>                     (51) Int. Cl.<br/>                     G16H 20/40 ( 2018.01 )<br/>                     A61B 3/00 ( 2006.01 )<br/>                     A61B 34/20 ( 2016.01 )<br/>                     A61F 9/007 ( 2006.01 )<br/>                     A61F 9/008 ( 2006.01 )<br/>                     G06T 7/00 ( 2017.01 )<br/>                     G16H 30/40 ( 2018.01 )<br/>                     (87) WO2023/203434<br/>                     (31) 63/332,106 (32) 18.04.22 (33) US<br/>                     (43) 26.10.2023<br/>                     (72) YIN, Lu; BERGER, Kongfeng;<br/>                     SARANGAPANI, Ramesh; SURESH,<br/>                     Vignesh<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>  |
| <p>(71) ADVANSIX RESINS &amp; CHEMICALS<br/>                     LLC<br/>                     (11) AU-A-2023225602<br/>                     (21) 2023225602 (22) 22.02.2023<br/>                     (54) SILOXANE DERIVATIVES OF AMINO<br/>                     ACIDS HAVING SURFACE-ACTIVE<br/>                     PROPERTIES</p>  | <p>(71) AGROETIKA S DE R. L. DE C. V.<br/>                     (11) AU-A-2022445499<br/>                     (21) 2022445499 (22) 08.11.2022<br/>                     (54) METHOD FOR REDUCING CONTAM-<br/>                     INATION IN AGRICULTURAL AND<br/>                     FISH PRODUCTS USING H 2O 2<br/>                     (51) Int. Cl.<br/>                     A61L 2/20 ( 2006.01 )<br/>                     (87) WO2023/172122<br/>                     (31) MX/a/2022/002836 (32) 08.03.22 (33) MX<br/>                     (43) 14.09.2023<br/>                     (72) MAZZOLO, Sergio Aldo<br/>                     (74) MEYER WEST IP</p>  |   |

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- (71) ALL SPACE NETWORKS LIMITED  
 (11) AU-A-2023216471  
 (21) 2023216471 (22) 30.01.2023  
 (54) PLANAR MULTIBEAM HYBRID-ELECTROMECHANICAL SATCOM TERMINAL  
 (51) Int. Cl.  
*H01Q 3/04* ( 2006.01 )  
*H01Q 3/14* ( 2006.01 )  
*H01Q 21/06* ( 2006.01 )  
*H01Q 25/00* ( 2006.01 )  
 (87) WO2023/148474  
 (31) 63/305,522 (32) 01.02.22 (33) US  
 (43) 10.08.2023  
 (72) TURPIN, Jeremiah P.  
 (74) WRAYS PTY LTD
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- (71) ALLOGENE THERAPEUTICS INC.  
 (11) AU-A-2023259634  
 (21) 2023259634 (22) 28.04.2023  
 (54) METHODS FOR DONOR CELL ANALYSIS  
 (51) Int. Cl.  
*G01N 33/50* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
*C07K 14/725* ( 2006.01 )  
*C07K 14/74* ( 2006.01 )  
 (87) WO2023/212675  
 (31) 63/336,068 (32) 28.04.22 (33) US  
 63/486,776 24.02.23 US  
 (43) 02.11.2023  
 (72) LIN, Meng-Yin; YOON, Hayung; PERTEL, Thomas Charles; SASU, Barbara Johnson  
 (74) Spruson & Ferguson
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- (71) AMADEUS S.A.S.  
 (11) AU-A-2023238789  
 (21) 2023238789 (22) 23.03.2023  
 (54) DATA MANAGEMENT SYSTEM AND METHOD  
 (51) Int. Cl.  
*G06F 21/62* ( 2013.01 )  
 (87) WO2023/180468  
 (31) 22305369.5 (32) 25.03.22 (33) EP  
 (43) 28.09.2023  
 (72) DEMAZEAU, Michel; MONBEL, Stephane; PEICLE, Romain; COGNE, Francois; ARNELLO, Jennifer  
 (74) Dennemeyer & Associates
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- (71) AMGEN INC.  
 (11) AU-A-2023249636  
 (21) 2023249636 (22) 06.04.2023  
 (54) TREATMENT OF SOLID TUMORS  
 (51) Int. Cl.  
*C07K 16/40* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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 (87) WO2023/196889  
 (31) 63/328,789 (32) 08.04.22 (33) US  
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- (71) AMGEN INC.  
 (11) AU-A-2023250824  
 (21) 2023250824 (22) 21.03.2023  
 (54) PACKAGING FOR DRUG DELIVERY DEVICE  
 (51) Int. Cl.  
*A61M 5/00* ( 2006.01 )  
*B65D 1/22* ( 2006.01 )  
*B65D 1/36* ( 2006.01 )  
*B65D 77/04* ( 2006.01 )  
 (87) WO2023/196111  
 (31) 63/328,099 (32) 06.04.22 (33) US  
 (43) 12.10.2023  
 (72) DIEHNELT, Kay; HALILI, Edgardo; MC-DONNELL, Evan; JASPERS, Lize; HERRERA, Alberto, David  
 (74) Spruson & Ferguson
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- (71) AMGEN INC.  
 (11) AU-A-2023263265  
 (21) 2023263265 (22) 25.04.2023  
 (54) ACOUSTIC DETECTION OF GLASS BREAKAGE EVENTS  
 (51) Int. Cl.  
*G10L 25/51* ( 2013.01 )  
 (87) WO2023/211865  
 (31) 63/336,847 (32) 29.04.22 (33) US  
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 (43) 02.11.2023  
 (72) HOSINSKI, Grant; BELLENFANT, Tyler; PEARSON, Thomas, Clark  
 (74) Spruson & Ferguson
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- (71) AMMPower AMERICA LLC  
 (11) AU-A-2022442755  
 (21) 2022442755 (22) 28.07.2022  
 (54) AMMONIA SYNTHESIS CONVERTER AND METHOD FOR SMALL PRODUCTION UNITS  
 (51) Int. Cl.  
*C01C 1/04* ( 2006.01 )  
*B01J 8/04* ( 2006.01 )  
 (87) WO2023/163798  
 (31) 63/313,123 (32) 23.02.22 (33) US  
 (43) 31.08.2023  
 (72) NOE, Stephen A.  
 (74) Adams Pluck
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- (71) AMO GRONINGEN B.V.  
 (11) AU-A-2023214610  
 (21) 2023214610 (22) 31.01.2023  
 (54) DIFFRACTIVE LENSES WITH DIFFRACTIVE ORDER SHIFT  
 (51) Int. Cl.  
*A61F 2/16* ( 2006.01 )  
*G02C 7/04* ( 2006.01 )  
 (87) WO2023/148170  
 (31) 63/267,415 (32) 01.02.22 (33) US
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- (71) 10.08.2023  
 (72) FARIA RIBEIRO, Miguel; JENKINS, SANCHEZ, Mark  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ANCESTRY.COM OPERATIONS INC.  
 (11) AU-A-2023217330  
 (21) 2023217330 (22) 10.02.2023  
 (54) DETERMINING RELATIONSHIPS OF HISTORICAL DATA RECORDS  
 (51) Int. Cl.  
*G06F 16/28* ( 2019.01 )  
 (87) WO2023/152692  
 (31) 63/308,659 (32) 10.02.22 (33) US  
 (43) 17.08.2023  
 (72) MITCHELL, Anne Gillespie; WHITE, Kaleb Benjamin; RASMUSSEN, Matt Landon; FURNER, Rey Robert; EARL, Douglas Garry; RIRIE, Bryce Damon; CURTIS, Donald Bernard  
 (74) FB Rice Pty Ltd
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- (71) ANXO PHARMACEUTICAL CO., LTD.  
 (11) AU-A-2023235189  
 (21) 2023235189 (22) 16.03.2023  
 (54) INJECTABLE DEPOT FORMULATION COMPRISING CARIPRAZINE FREE BASE PARTICLES  
 (51) Int. Cl.  
*A61K 9/10* ( 2006.01 )  
*A61K 31/495* ( 2006.01 )  
*A61P 25/18* ( 2006.01 )  
 (87) WO2023/174382  
 (31) 63/320,696 (32) 17.03.22 (33) US  
 (43) 21.09.2023  
 (72) LIU, I-Hsiang; CHANG, Kuei-Hua; JHAN, Hua-Jing; CHEN, Tse-Hsien; SU, Chia-Yu; JIAN, Chi-Heng; HSU, Chun-Wei  
 (74) FB Rice Pty Ltd
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- (71) APEX DYNAMICS, SIA  
 (11) AU-A-2023215983  
 (21) 2023215983 (22) 27.01.2023  
 (54) OPPOSED-PISTON INTERNAL COMBUSTION ENGINE  
 (51) Int. Cl.  
*F01B 7/14* ( 2006.01 )  
*F02B 33/22* ( 2006.01 )  
*F02B 75/28* ( 2006.01 )  
 (87) WO2023/149793  
 (31) LVP2022000007 (32) 02.02.22 (33) LV  
 (43) 10.08.2023  
 (72) ATMATS, Uldis  
 (74) DAVIS IP PTY LTD
- 
- (71) ARCHER DANIELS MIDLAND COMPANY  
 (11) AU-A-2023229369  
 (21) 2023229369 (22) 01.03.2023  
 (54) STARCH BASED WHITENING AND OPACIFYING AGENTS AND USES THEREOF  
 (51) Int. Cl.  
*A23L 29/212* ( 2016.01 )  
*A23L 29/00* ( 2016.01 )  
*A23L 29/219* ( 2016.01 )

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**(31)** 63/315,450 **(32)** 01.03.22 **(33)** US  
**(43)** 07.09.2023  
**(72)** BASEETH, Shireen; DAVIS, Alyssa;  
 RHODE, Olivia; HALALIPOUR, Ali  
**(74)** AJ PARK
- 
- (71)** ARCUS BIOSCIENCES, INC.; WUXI  
 BIOLOGICS IRELAND LIMITED  
**(11)** AU-A-2023227964  
**(21)** 2023227964 **(22)** 02.03.2023  
**(54)** ANTI-CD39 ANTIBODIES AND USE  
 THEREOF  
**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/22* ( 2006.01 )  
**(87)** WO2023/165561  
**(31)** PCT/ **(32)** 03.03.22 **(33)** CN  
 CN2022/079021  
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**(43)** 07.09.2023  
**(72)** BOWMAN, Christine Elizabeth; CHEN,  
 Ada Pei Xian; FERNANDEZ-SALAS,  
 Ester; WALKER, Nigel Pelham Clinton;  
 ZHAO, Xiaoning; HU, Yaohua; NIE, Si-  
 wei; GU, Jijie  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** AREPA IP LIMITED  
**(11)** AU-A-2023225520  
**(21)** 2023225520 **(22)** 28.02.2023  
**(54)** BIOACTIVES AND THEIR USES  
**(51)** Int. Cl.  
*A61K 31/7032* ( 2006.01 )  
*A61K 36/185* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/22* ( 2006.01 )  
*A61P 25/24* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
**(87)** WO2023/163606  
**(31)** 785645 **(32)** 28.02.22 **(33)** NZ  
**(43)** 31.08.2023  
**(72)** BROWN, Angus, Ross; BLOOR, Steph-  
 en, John  
**(74)** Spruson & Ferguson
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- (71)** ASAHI GROUP HOLDINGS, LTD.  
**(11)** AU-A-2023232499  
**(21)** 2023232499 **(22)** 20.02.2023  
**(54)** BEER-TASTE LOW-ALCOHOL  
 BEVERAGE AND METHOD FOR PRO-  
 Duction THEREOF  
**(51)** Int. Cl.  
*A23L 2/52* ( 2006.01 )  
*A23L 2/00* ( 2006.01 )  
*A23L 2/38* ( 2021.01 )  
*C12C 5/02* ( 2006.01 )  
*C12C 11/11* ( 2019.01 )  
*C12C 12/04* ( 2006.01 )  
*C12G 3/04* ( 2019.01 )  
*C12H 3/00* ( 2019.01 )  
**(87)** WO2023/171340  
**(31)** 2022-038391 **(32)** 11.03.22 **(33)** JP  
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- (43)** 14.09.2023  
**(72)** NAKAYAMA, Wataru  
**(74)** Spruson & Ferguson
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- (71)** ASTRAZENECA AB  
**(11)** AU-A-2023218575  
**(21)** 2023218575 **(22)** 13.02.2023  
**(54)** IRAK4 INHIBITORS  
**(51)** Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*A61K 31/5025* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 413/14* ( 2006.01 )  
**(87)** WO2023/152349  
**(31)** 63/267,956 **(32)** 14.02.22 **(33)** US  
**(43)** 17.08.2023  
**(72)** TERSTIEGE, Ina; SCHIESSER, Stefan  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** ASTRAZENECA AB  
**(11)** AU-A-2023220646  
**(21)** 2023220646 **(22)** 14.02.2023  
**(54)** METHODS OF TREATING PROSTATE  
 CANCER  
**(51)** Int. Cl.  
*A61K 31/502* ( 2006.01 )  
*A61K 31/337* ( 2006.01 )  
*A61K 31/4166* ( 2006.01 )  
*A61K 31/573* ( 2006.01 )  
*A61K 31/58* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/04* ( 2006.01 )  
**(87)** WO2023/156357  
**(31)** 63/268,026 **(32)** 15.02.22 **(33)** US  
**(43)** 24.08.2023  
**(72)** KANG, Jinyu  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** ASTRAZENECA IRELAND LIMITED  
**(11)** AU-A-2023235493  
**(21)** 2023235493 **(22)** 14.03.2023  
**(54)** IMPROVED IGG-DEGRADING EN-  
 ZYMES AND METHODS OF USE  
 THEREOF  
**(51)** Int. Cl.  
*A61K 38/48* ( 2006.01 )  
*C12N 9/52* ( 2006.01 )  
*C12N 15/00* ( 2006.01 )  
**(87)** WO2023/175498  
**(31)** 63/269,502 **(32)** 17.03.22 **(33)** US  
 63/483,984 09.02.23 US  
 63/485,312 16.02.23 US  
**(43)** 21.09.2023  
**(72)** BRODFUEHRER, Joanne Irene;  
 DEWAGE, Amendra Fernando Hewa;  
 GARDNER, Hannah Szydlo; JOYCE,  
 Alison Patricia; KING, Amy Cotsonas;  
 LAMEYER, Maria Paquerette Galou;  
 LIM, Kok Hong; LOHSE, Laura Lin;  
 MARZE, Nicholas Andrew; MURPHY,  
 Denise Mary; MYERS, Alyssa Ann;  
 TAM, Sze Pui  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** ATDBIO LIMITED  
**(11)** AU-A-2023238144  
**(21)** 2023238144 **(22)** 20.03.2023  
**(54)** METHOD AND COMPOUND  
**(51)** Int. Cl.  
*C07H 1/06* ( 2006.01 )  
*C07H 19/073* ( 2006.01 )  
*C07H 21/04* ( 2006.01 )  
**(87)** WO2023/180237  
**(31)** 22163396.9 **(32)** 21.03.22 **(33)** EP  
**(43)** 28.09.2023  
**(72)** BROWN, Tom; COX, Owen  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** BAE SYSTEMS HÄGGLUNDS AK-  
 TIEBOLAG  
**(11)** AU-A-2023252705  
**(21)** 2023252705 **(22)** 06.04.2023  
**(54)** DRIVE SPROCKET MEMBER FOR AN  
 ENDLESS TRACK OF A TRACKED  
 VEHICLE  
**(51)** Int. Cl.  
*B62D 55/12* ( 2006.01 )  
**(87)** WO2023/200383  
**(31)** 2250456-7 **(32)** 12.04.22 **(33)** SE  
**(43)** 19.10.2023  
**(72)** STRÖMBERG, Håkan  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** BAE SYSTEMS INFORMATION AND  
 ELECTRONIC SYSTEMS INTEGRA-  
 TION INC.  
**(11)** AU-A-2023231093  
**(21)** 2023231093 **(22)** 06.03.2023  
**(54)** HYBRID SIGNAL ACQUISITION AND  
 TRACKING DEVICE  
**(51)** Int. Cl.  
*G01S 19/25* ( 2010.01 )  
*G01S 19/24* ( 2010.01 )  
*G01S 19/31* ( 2010.01 )  
*G01S 19/30* ( 2010.01 )  
*G01S 19/37* ( 2010.01 )  
**(87)** WO2023/172512  
**(31)** 17/654,308 **(32)** 10.03.22 **(33)** US  
**(43)** 14.09.2023  
**(72)** ACHESON, John, E.; DENNIS, Mitchell;  
 BADER, John, R.; JUMP, Jordan, M.  
**(74)** Spruson & Ferguson
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- (71)** BAE SYSTEMS INFORMATION AND  
 ELECTRONIC SYSTEMS INTEGRA-  
 TION INC.  
**(11)** AU-A-2023234337  
**(21)** 2023234337 **(22)** 13.03.2023  
**(54)** DIGITAL RADIO WITH PROGRAM-  
 MABLE FREQUENCY PLAN EMULAT-  
 OR  
**(51)** Int. Cl.  
*H04L 27/00* ( 2006.01 )  
*H04B 1/06* ( 2006.01 )  
*H04B 1/40* ( 2015.01 )  
**(87)** WO2023/177599  
**(31)** 17/655,082 **(32)** 16.03.22 **(33)** US  
**(43)** 21.09.2023  
**(72)** ACHESON, John, E.; STADELMANN,  
 Scott, W.  
**(74)** Spruson & Ferguson

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

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 (11) AU-A-2023233890  
 (21) 2023233890 (22) 09.03.2023  
 (54) SYNTACTIC FOAMS  
 (51) Int. Cl.  
*B29C 64/106* ( 2017.01 )  
*B29C 70/66* ( 2006.01 )  
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*B33Y 80/00* ( 2015.01 )  
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X.; GOEDEN, N.S.; FLYTZANIS, N.C.;  
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(21) 2023227403 (22) 03.03.2023  
(54) SOFT TISSUE ANCHOR SYSTEM  
FOR HEART REPAIR  
(51) Int. Cl.  
*A61B 17/04* ( 2006.01 )  
*A61F 2/24* ( 2006.01 )

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**A61M 25/00** ( 2006.01 )  
**(87)** WO2023/166220  
**(31)** 63/316,062 **(32)** 03.03.22 **(33)** US  
 63/440,766 24.01.23 US  
**(43)** 07.09.2023  
**(72)** HIORTH, Nikolai; HIORTH, Hans Emil;  
 BLIX, John B.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** CARDIOMECH AS  
**(11)** AU-A-2023228354  
**(21)** 2023228354 **(22)** 03.03.2023  
**(54)** SOFT TISSUE ANCHOR SYSTEM  
 FOR HEART REPAIR  
**(51)** Int. Cl.

**A61B 17/04** ( 2006.01 )  
**A61F 2/24** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**(87)** WO2023/166218  
**(31)** 63/316,062 **(32)** 03.03.22 **(33)** US  
 63/440,766 24.01.23 US  
**(43)** 07.09.2023  
**(72)** HIORTH, Nikolai; HIORTH, Hans Emil;  
 BLIX, John B.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** CARDIOMECH AS  
**(11)** AU-A-2023229037  
**(21)** 2023229037 **(22)** 03.03.2023  
**(54)** SOFT TISSUE ANCHOR SYSTEM  
 FOR HEART REPAIR  
**(51)** Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61F 2/24** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )

**(87)** WO2023/166217  
**(31)** 63/316,062 **(32)** 03.03.22 **(33)** US  
 63/440,766 24.01.23 US  
**(43)** 07.09.2023  
**(72)** HIORTH, Nikolai; HIORTH, Hans Emil;  
 BLIX, John B.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** CARIBOU BIOSCIENCES, INC.  
**(11)** AU-A-2023254100  
**(21)** 2023254100 **(22)** 12.04.2023  
**(54)** THERAPEUTIC APPLICATIONS OF  
 CRISPR TYPE V SYSTEMS  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/88** ( 2006.01 )

**(87)** WO2023/201270  
**(31)** 63/330,695 **(32)** 13.04.22 **(33)** US  
 63/332,173 18.04.22 US  
**(43)** 19.10.2023  
**(72)** DONOHOU, Paul Daniel; KANNER,  
 Steven B.; MUNOZ-HOWELL, Antonio;  
 RAHDAR, Meghdad  
**(74)** Oxygene IP

**(71)** CARLSMED, INC.  
**(11)** AU-A-2023224847  
**(21)** 2023224847 **(22)** 22.02.2023

**(54)** NON-FUNGIBLE TOKEN SYSTEMS  
 AND METHODS FOR STORING AND  
 ACCESSING HEALTHCARE DATA  
**(51)** Int. Cl.  
**G16H 10/60** ( 2018.01 )  
**G16H 40/40** ( 2018.01 )  
**G16H 40/60** ( 2018.01 )  
**(87)** WO2023/164015  
**(31)** 17/878,633 **(32)** 01.08.22 **(33)** US  
 17/678,874 23.02.22 US  
**(43)** 31.08.2023  
**(72)** CORDONNIER, Michael, J.; HUSSAIN,  
 Shariq; CASEY, Niall, Patrick  
**(74)** FB Rice Pty Ltd

**(71)** CAROMA INDUSTRIES LIMITED  
**(11)** AU-A-2023218301  
**(21)** 2023218301 **(22)** 14.02.2023  
**(54)** WATER CLEANSING SYSTEM AND  
 METHOD FOR WATER USAGE EN-  
 VIRONMENT  
**(51)** Int. Cl.  
**F24H 15/184** ( 2022.01 )  
**E03B 7/07** ( 2006.01 )  
**E03C 1/05** ( 2006.01 )  
**F24D 17/00** ( 2022.01 )  
**F24H 15/14** ( 2022.01 )  
**F24H 15/315** ( 2022.01 )  
**G05B 15/02** ( 2006.01 )

**(87)** WO2023/150841  
**(31)** 2022900304 **(32)** 14.02.22 **(33)** AU  
**(43)** 17.08.2023  
**(72)** CUMMINGS, Stephen John  
**(74)** Spruson & Ferguson

**(71)** CASALE SA  
**(11)** AU-A-2023253078  
**(21)** 2023253078 **(22)** 29.03.2023  
**(54)** NITRIC ACID PLANT AND PROCESS  
 WITH HEAT RECOVERY SYSTEM  
**(51)** Int. Cl.  
**C25B 1/50** ( 2021.01 )  
**C01B 21/26** ( 2006.01 )  
**C01B 21/28** ( 2006.01 )  
**C01B 21/40** ( 2006.01 )

**(87)** WO2023/198455  
**(31)** 22168519.1 **(32)** 14.04.22 **(33)** EP  
**(43)** 19.10.2023  
**(72)** CERE, Iacopo; FRANCESCHIN, Gi-  
 ada  
**(74)** Spruson & Ferguson

**(71)** CASE WESTERN RESERVE UNI-  
 VERSITY  
**(11)** AU-A-2023215470  
**(21)** 2023215470 **(22)** 02.02.2023  
**(54)** BIOSYNTHETIC HEMOSTAT AND  
 USES THEREOF  
**(51)** Int. Cl.  
**A61K 38/16** ( 2006.01 )  
**A61K 38/36** ( 2006.01 )  
**A61K 38/48** ( 2006.01 )

**(87)** WO2023/150616  
**(31)** 63/305,724 **(32)** 02.02.22 **(33)** US  
**(43)** 10.08.2023  
**(72)** SEN GUPTA, Anirban; GIRISH, Aditya  
**(74)** Oxygene IP

**(71)** CATALOG TECHNOLOGIES, INC.  
**(11)** AU-A-2023228860  
**(21)** 2023228860 **(22)** 03.03.2023  
**(54)** DNA MICROARRAYS AND COMPON-  
 ENT LEVEL SEQUENCING FOR NUC-  
 LEIC ACID-BASED DATA STORAGE  
 AND PROCESSING  
**(51)** Int. Cl.  
**G11C 13/00** ( 2006.01 )  
**G11C 11/40** ( 2006.01 )  
**G11C 11/4063** ( 2006.01 )  
**G11C 11/409** ( 2006.01 )  
**(87)** WO2023/168085  
**(31)** 63/316,812 **(32)** 04.03.22 **(33)** US  
 63/326,598 01.04.22 US  
 63/329,111 08.04.22 US  
 63/333,698 22.04.22 US

**(43)** 07.09.2023  
**(72)** VARADARAJALU, Ganeshkumar;  
 KAMBARA, Tracy; BHATIA, Swapnil P.;  
 MIHM, Sean; RAMIREZ-TAPIA, Luis  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** CATALOG TECHNOLOGIES, INC.  
**(11)** AU-A-2023234435  
**(21)** 2023234435 **(22)** 17.03.2023  
**(54)** COMBINATORIAL ENUMERATION  
 AND SEARCH FOR NUCLEIC ACID-  
 BASED DATA STORAGE  
**(51)** Int. Cl.  
**G11C 13/00** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G16B 25/20** ( 2019.01 )  
**G16B 30/10** ( 2019.01 )

**(87)** WO2023/177864  
**(31)** 63/321,229 **(32)** 18.03.22 **(33)** US  
**(43)** 21.09.2023  
**(72)** BHATIA, Swapnil, P.; RAMIREZ-TAPIA,  
 Luis, E.  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** CATERPILLAR INC.  
**(11)** AU-A-2023228639  
**(21)** 2023228639 **(22)** 09.02.2023  
**(54)** SYSTEM AND METHOD FOR ESTIM-  
 ATING A MACHINE'S POTENTIAL US-  
 AGE, PROFITABILITY, AND COST OF  
 OWNERSHIP BASED ON MACHINE'S  
 VALUE AND MECHANICAL STATE  
**(51)** Int. Cl.  
**G06Q 10/04** ( 2023.01 )  
**G06Q 10/063** ( 2023.01 )  
**G06Q 10/0631** ( 2023.01 )  
**G06Q 10/0639** ( 2023.01 )  
**G07C 5/08** ( 2006.01 )

**(87)** WO2023/168159  
**(31)** 17/686,211 **(32)** 03.03.22 **(33)** US  
**(43)** 07.09.2023  
**(72)** VILLERO, David A.; CLINE, Kyle J.  
**(74)** Patent Attorney Services

**(71)** CATERPILLAR INC.  
**(11)** AU-A-2023231609  
**(21)** 2023231609 **(22)** 27.02.2023  
**(54)** CONSTRUCTION MACHINE HEEL  
 SHROUD HAVING STRESS CONCEN-

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

- TRATION REDUCTION GEOMETRY AND ENHANCED DURABILITY  
**(51)** Int. Cl.  
*E02F 3/30* ( 2006.01 )  
*E02F 3/40* ( 2006.01 )  
*E02F 3/815* ( 2006.01 )  
*E02F 9/28* ( 2006.01 )  
**(87)** WO2023/172825  
**(31)** 17/690,431 **(32)** 09.03.22 **(33)** US  
**(43)** 14.09.2023  
**(72)** KARUNAKARAN, Ezhil Valavan; MCCAFFREY, Brandon Hammig  
**(74)** Patent Attorney Services
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2023232739  
**(21)** 2023232739 **(22)** 02.03.2023  
**(54)** HEEL SHROUD HAVING STRESS CONCENTRATION REDUCTION GEOMETRY AND ENHANCED DURABILITY FOR USE IN CONSTRUCTION MACHINES  
**(51)** Int. Cl.  
*E02F 3/40* ( 2006.01 )  
*E02F 3/30* ( 2006.01 )  
*E02F 3/815* ( 2006.01 )  
*E02F 9/28* ( 2006.01 )  
**(87)** WO2023/172836  
**(31)** 17/690,341 **(32)** 09.03.22 **(33)** US  
**(43)** 14.09.2023  
**(72)** MCCAFFREY, Brandon H.; KARUNAKARAN, Ezhil V.  
**(74)** Patent Attorney Services
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- (71)** CEMGREEN APS  
**(11)** AU-A-2022446845  
**(21)** 2022446845 **(22)** 16.03.2022  
**(54)** METHOD FOR PRODUCING SUPPLEMENTARY CEMENTITIOUS MATERIAL  
**(51)** Int. Cl.  
*C04B 20/04* ( 2006.01 )  
*C04B 28/02* ( 2006.01 )  
**(87)** WO2023/174526  
**(43)** 21.09.2023  
**(72)** DOSSING, Lasse Norbye; RASMUSSEN, Martin Hagsted; FONNS, Mogens Juhl  
**(74)** GLMR
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- (71)** CEMGREEN APS  
**(11)** AU-A-2022447619  
**(21)** 2022447619 **(22)** 16.03.2022  
**(54)** DEVICE AND METHOD FOR PRODUCING SUPPLEMENTARY CEMENTITIOUS MATERIALS  
**(51)** Int. Cl.  
*F27B 1/00* ( 2006.01 )  
*C04B 2/12* ( 2006.01 )  
*C04B 20/06* ( 2006.01 )  
*F27B 1/28* ( 2006.01 )  
*F27D 17/00* ( 2006.01 )  
*F27D 19/00* ( 2006.01 )  
*F27D 21/00* ( 2006.01 )  
**(87)** WO2023/174525
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- (43)** 21.09.2023  
**(72)** DOSSING, Lasse Norbye; RASMUSSEN, Martin Hagsted; FONNS, Mogens Juhl  
**(74)** GLMR
- 
- (71)** CESIUM HOLDING AB  
**(11)** AU-A-2023234278  
**(21)** 2023234278 **(22)** 31.01.2023  
**(54)** CONSTRUCTION ELEMENT FOR A SAFETY CABINET, A DOOR FOR A CONTAINER AND A CONTAINER COMPRISING SUCH A CONSTRUCTION ELEMENT AND A METHOD FOR IMPROVING A SAFETY CABINET  
**(51)** Int. Cl.  
*E05G 1/024* ( 2006.01 )  
*B65D 90/00* ( 2006.01 )  
*B65D 90/22* ( 2006.01 )  
*E05G 1/026* ( 2006.01 )  
*B65D 90/02* ( 2019.01 )  
**(87)** WO2023/177334  
**(31)** 2230075-0 **(32)** 16.03.22 **(33)** SE  
**(43)** 21.09.2023  
**(72)** GUSTAVSSON, Jack  
**(74)** Griffith Hack
- 
- (71)** CHARGEITSPOT, LLC  
**(11)** AU-A-2023221866  
**(21)** 2023221866 **(22)** 17.02.2023  
**(54)** SYSTEM AND METHOD FOR PROVIDING INTERCONNECTED AND SECURE MOBILE DEVICE CHARGING STATIONS  
**(51)** Int. Cl.  
*B25H 3/00* ( 2006.01 )  
*G06F 21/31* ( 2013.01 )  
*H02J 7/02* ( 2016.01 )  
*G05B 11/00* ( 2006.01 )  
**(87)** WO2023/159194  
**(31)** 17/675,136 **(32)** 18.02.22 **(33)** US  
**(43)** 24.08.2023  
**(72)** BALDASARE, Douglas; TATE, Sheri; KAY, Robert; BERGELAND, Jeffrey; ANDREASEN, David; SOUND, Saran Singh; WEINBERG, Michael; MUTHIAH, Ashwin; BORSE, Omkar; BRIGHAM, Jake; WILLIAMS, Charles  
**(74)** Eagar & Associates Pty Ltd
- 
- (71)** CHARITÉ - UNIVERSITÄTSMEDIZIN BERLIN  
**(11)** AU-A-2023233813  
**(21)** 2023233813 **(22)** 15.03.2023  
**(54)** CFTR MODULATORS FOR THE TREATMENT OF VASCULAR DISEASE  
**(51)** Int. Cl.  
*A61K 31/404* ( 2006.01 )  
*A61K 31/443* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61K 31/47* ( 2006.01 )  
*A61P 7/02* ( 2006.01 )  
**(87)** WO2023/174968  
**(31)** 22162072.7 **(32)** 15.03.22 **(33)** EP
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- (43)** 21.09.2023  
**(72)** KÜBLER, Wolfgang; SIMMONS, Szeandor; ASMUS, Erik; SZULCEK, Robert; PREIßNER, Robert  
**(74)** Kings Patent & Trade Marks Attorneys Pty Ltd
- 
- (71)** CHEVRON U.S.A. INC.  
**(11)** AU-A-2023227469  
**(21)** 2023227469 **(22)** 01.03.2023  
**(54)** CATALYST FOR NON-OXIDATIVE CONVERSION OF HYDROCARBONS TO HYDROGEN  
**(51)** Int. Cl.  
*B01J 23/70* ( 2006.01 )  
*B01J 23/06* ( 2006.01 )  
*B01J 23/60* ( 2006.01 )  
*B01J 23/745* ( 2006.01 )  
*B01J 23/75* ( 2006.01 )  
*B01J 35/56* ( 2024.01 )  
*B01J 23/755* ( 2006.01 )  
**(87)** WO2023/167933  
**(31)** 63/315,282 **(32)** 01.03.22 **(33)** US  
**(43)** 07.09.2023  
**(72)** OUYANG, Xiaoying; KUPERMAN, Alexander; LUO, Huping; LI, Lin  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CHEVRON U.S.A. INC.  
**(11)** AU-A-2023227791  
**(21)** 2023227791 **(22)** 01.03.2023  
**(54)** MULTI-TUBE REACTOR SYSTEMS AND PROCESSES FOR NO-OXIDATIVE CONVERSION OF METHANE  
**(51)** Int. Cl.  
*C07C 2/00* ( 2006.01 )  
*B01J 19/24* ( 2006.01 )  
*C10G 50/00* ( 2006.01 )  
*B01J 8/06* ( 2006.01 )  
**(87)** WO2023/167929  
**(31)** 17/683,990 **(32)** 01.03.22 **(33)** US  
**(43)** 07.09.2023  
**(72)** LI, Lin; LUO, Huping; OUYANG, Xiaoying; KUPERMAN, Alexander  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CHEVRON U.S.A. INC.; TRIAD NATIONAL SECURITY, LLC  
**(11)** AU-A-2023234294  
**(21)** 2023234294 **(22)** 22.02.2023  
**(54)** COATING INSPECTION USING STEADY-STATE EXCITATION  
**(51)** Int. Cl.  
*G01N 29/42* ( 2006.01 )  
*G01N 29/07* ( 2006.01 )  
*G01N 29/32* ( 2006.01 )  
**(87)** WO2023/177509  
**(31)** 17/693,369 **(32)** 13.03.22 **(33)** US  
**(43)** 21.09.2023  
**(72)** JACOBSON, Erica Marie; CUMMINGS, Ian Thomas; FLYNN, Eric Brian; WACHTOR, Adam Joseph; CHALONER-GILL, Benjamin M.; GENTER, Brock; QUINTERO, Martin; SANDERS, Ryan S.  
**(74)** Davies Collison Cave Pty Ltd

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

- (71) CHINA ENERGY SHENDONG COAL GROUP CO., LTD; NATIONAL INSTITUTE OF CLEAN-AND-LOW-CARBON ENERGY; CHINA ENERGY INVESTMENT CORPORATION LIMITED  
(11) AU-A-2022445671  
(21) 2022445671 (22) 25.11.2022  
(54) METHOD AND APPARATUS FOR RESTORATION OF COAL MINE ECOLOGICAL DAMAGE, AND STORAGE MEDIUM AND ELECTRONIC DEVICE  
(51) Int. Cl.  
G06Q 10/06 ( 2023.01 )  
(87) WO2023/168992  
(31) 202210230309.4 (32) 10.03.22 (33) CN  
(43) 14.09.2023  
(72) LI, Quansheng; GUO, Junting; DAI, Huayang; ZHANG, Kai; YAN, Yueguan  
(74) Michael Buck IP
- 
- (71) CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.  
(11) AU-A-2023227961  
(21) 2023227961 (22) 02.03.2023  
(54) CONTROL METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM  
(51) Int. Cl.  
H04W 52/02 ( 2009.01 )  
(87) WO2023/165546  
(31) 202210200238.3 (32) 02.03.22 (33) CN  
(43) 07.09.2023  
(72) SONG, Dan; SONG, Xiaoxiong; LI, Nan; DENG, Wei; DING, Haiyu; LU, Songhe; LI, Binjie  
(74) Adams Pluck
- 
- (71) CHONG KUN DANG PHARMACEUTICAL CORP.  
(11) AU-A-2023248256  
(21) 2023248256 (22) 06.04.2023  
(54) 1,3,4-OXADIAZOLE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND USES THEREOF  
(51) Int. Cl.  
C07D 271/10 ( 2006.01 )  
A61K 31/496 ( 2006.01 )  
A61K 31/4995 ( 2006.01 )  
A61K 31/5377 ( 2006.01 )  
A61K 31/541 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
A61P 37/00 ( 2006.01 )  
C07D 413/12 ( 2006.01 )  
(87) WO2023/195809  
(31) 10-2022-0043429 (32) 07.04.22 (33) KR  
(43) 12.10.2023  
(72) LEE, Chang Sik; OH, Jung Taek; SONG, Hyeeseung; KIM, Hyunjin Michael  
(74) FPA Patent Attorneys Pty Ltd
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- (71) CHRYSO  
(11) AU-A-2023229974  
(21) 2023229974 (22) 10.03.2023
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- (54) HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG  
(51) Int. Cl.  
C04B 22/08 ( 2006.01 )  
C04B 28/00 ( 2006.01 )  
C04B 28/04 ( 2006.01 )  
C04B 28/06 ( 2006.01 )  
(87) WO2023/170251  
(31) FR2202087 (32) 10.03.22 (33) FR  
(43) 14.09.2023  
(72) BOUSTINGORRY, Pascal; DAVID, Marie; BONAFOUS, Laurent  
(74) Davies Collison Cave Pty Ltd
- 
- (71) CITY OF HOPE  
(11) AU-A-2023232168  
(21) 2023232168 (22) 10.03.2023  
(54) MEMBRANE-BOUND IL-12 FOR CELLULAR IMMUNOTHERAPY  
(51) Int. Cl.  
C12N 5/078 ( 2010.01 )  
A61K 35/17 ( 2015.01 )  
A61K 38/20 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/54 ( 2006.01 )  
C07K 14/705 ( 2006.01 )  
(87) WO2023/173116  
(31) 63/318,753 (32) 10.03.22 (33) US  
63/423,479 07.11.22 US  
(43) 14.09.2023  
(72) PRICEMAN, Saul J.; MURAD, John P.; LEE, Eric  
(74) WRAYS PTY LTD
- 
- (71) CLARK, B.E.  
(11) AU-A-2023235049  
(21) 2023235049 (22) 07.03.2023  
(54) A-FRAME ELEVATED AUTONOMOUS SINGLE AXIS 360 DEGREE DECLINATION SOLAR TRACKING ARRAY  
(51) Int. Cl.  
H02S 20/32 ( 2014.01 )  
(87) WO2023/177555  
(31) 17/869,510 (32) 20.07.22 (33) US  
63/319,856 15.03.22 US  
(43) 21.09.2023  
(72) CLARK, Bruce, E.  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) CLEAN EATS & CO PTE. LTD.  
(11) AU-A-2023216037  
(21) 2023216037 (22) 03.02.2023  
(54) A SYSTEM FOR DELIVERING FOOD TO A CUSTOMER AND A METHOD THEREOF  
(51) Int. Cl.  
A47G 23/08 ( 2006.01 )  
A47F 10/06 ( 2006.01 )  
A47J 39/02 ( 2006.01 )  
(87) WO2023/149843  
(31) 10202201080W (32) 04.02.22 (33) SG  
(43) 10.08.2023  
(72) LO, Tristan  
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
- 
- (71) CLEANR INC.  
(11) AU-A-2022446100  
(21) 2022446100 (22) 29.12.2022  
(54) VORTICAL CROSS-FLOW FILTRATION SYSTEM  
(51) Int. Cl.  
B01D 29/25 ( 2006.01 )  
B01D 29/35 ( 2006.01 )  
B01D 29/60 ( 2006.01 )  
B01D 29/90 ( 2006.01 )  
D06F 37/00 ( 2020.01 )  
(87) WO2023/172344  
(31) 63/318,043 (32) 09.03.22 (33) US  
63/328,011 06.04.22 US  
63/370,043 01.08.22 US  
63/378,445 05.10.22 US  
63/383,389 11.11.22 US  
(43) 14.09.2023  
(72) PENNINGTON, Maxwell T.; MILLER, Joseph I.; DILLMAN, David W.; TURENNE, Marc A.  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) CNX RESOURCES CORPORATION  
(11) AU-A-2023228561  
(21) 2023228561 (22) 02.02.2023  
(54) APPARATUS AND METHOD FOR THREE-PHASE SEPARATION AT A WELL  
(51) Int. Cl.  
E21B 43/34 ( 2006.01 )  
B01D 17/02 ( 2006.01 )  
B01D 17/12 ( 2006.01 )  
B01D 21/24 ( 2006.01 )  
B01D 21/34 ( 2006.01 )  
(87) WO2023/167769  
(31) 17/685,726 (32) 03.03.22 (33) US  
(43) 07.09.2023  
(72) FINK, Joseph M.  
(74) K&L Gates
- 
- (71) COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
(11) AU-A-2023231024  
(21) 2023231024 (22) 10.03.2023  
(54) TRANSFERRABLE ELECTRODE FOR PRINTED ELECTRONICS  
(51) Int. Cl.  
H05K 1/03 ( 2006.01 )  
H01B 1/02 ( 2006.01 )  
H01B 1/12 ( 2006.01 )  
H01G 9/20 ( 2006.01 )  
H01G 11/26 ( 2013.01 )  
H01L 21/00 ( 2006.01 )  
H05K 1/02 ( 2006.01 )  
H05K 3/00 ( 2006.01 )  
H10K 30/81 ( 2023.01 )  
H10K 71/60 ( 2023.01 )  
H10K 71/80 ( 2023.01 )  
H10K 77/10 ( 2023.01 )  
H10K 99/00 ( 2023.01 )  
(87) WO2023/168496  
(31) 2022900582 (32) 10.03.22 (33) AU  
(43) 14.09.2023  
(72) SUTHERLAND, Luke; WEERASINGHE, Hasitha; VAK, Doojin; GAO, Mei  
(74) PHILLIPS ORMONDE FITZPATRICK

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

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(71) CONNEXT CO.,LTD.  
 (11) AU-A-2023232693  
 (21) 2023232693 (22) 08.03.2023  
 (54) COMPOSITION COMPRISING COLLAGENASE, CALCIUM, HISTIDINE, AND GLYCINE, AND METHOD FOR STABILIZING COLLAGENASE  
 (51) Int. Cl.  
**C12N 9/96** ( 2006.01 )  
**C12N 9/64** ( 2006.01 )  
 (87) WO2023/172070  
 (31) 10-2022-0029068 (32) 08.03.22 (33) KR  
 (43) 14.09.2023  
 (72) CHOI, Chi Min; RYU, Choong Sun; KIM, Sung Hee  
 (74) Griffith Hack

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(71) CONN-WELD INDUSTRIES, LLC  
 (11) AU-A-2023231589  
 (21) 2023231589 (22) 10.03.2023  
 (54) ELLIPTICAL DRIVE  
 (51) Int. Cl.  
**B06B 1/16** ( 2006.01 )  
**B65G 27/20** ( 2006.01 )  
**H02K 7/06** ( 2006.01 )  
 (87) WO2023/172725  
 (31) 63/318,813 (32) 11.03.22 (33) US  
 (43) 14.09.2023  
 (72) HARMAN, Gregory K.  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED  
 (11) AU-A-2022465135  
 (21) 2022465135 (22) 17.06.2022  
 (54) NEGATIVE ELECTRODE PLATE AND MANUFACTURING METHOD THEREFOR, ELECTRODE ASSEMBLY, AND SECONDARY BATTERY  
 (51) Int. Cl.  
**H01M 4/133** ( 2010.01 )  
**H01M 4/1393** ( 2010.01 )  
**H01M 4/485** ( 2010.01 )  
**H01M 4/583** ( 2010.01 )  
 (87) WO2023/240595  
 (43) 21.12.2023  
 (72) CAO, Yanming; WU, Guisen; TAN, Hongjuan; LI, Wei  
 (74) Spruson & Ferguson

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(71) CRANIUM AI, INC.  
 (11) AU-A-2023220143  
 (21) 2023220143 (22) 21.02.2023  
 (54) SYSTEM AND METHOD FOR IMPLEMENTING AN ARTIFICIAL INTELLIGENCE SECURITY PLATFORM  
 (51) Int. Cl.  
**G06N 5/04** ( 2023.01 )  
**G06F 21/50** ( 2013.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 10/06** ( 2023.01 )  
 (87) WO2023/158873  
 (31) 63/268,294 (32) 21.02.22 (33) US

(43) 24.08.2023  
 (72) DAMBROT, Jonathan; CHRISTMAN, Daniel, Scott; SPICER, Paul  
 (74) Minter Ellison

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(71) CRRC QIQIHAR ROLLING STOCK CO., LTD.  
 (11) AU-A-2023266953  
 (21) 2023266953 (22) 07.06.2023  
 (54) AIR CONTROL VALVE  
 (51) Int. Cl.  
**B60T 15/02** ( 2006.01 )  
 (87) WO2023/217297  
 (31) 202210521953.7 (32) 13.05.22 (33) CN  
 (43) 16.11.2023  
 (72) LI, Hua; XU, Yi; LI, Jia  
 (74) GLMR

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(71) DARAMIC, LLC  
 (11) AU-A-2023220908  
 (21) 2023220908 (22) 07.02.2023  
 (54) POROUS MEMBRANES FOR FLOW BATTERIES AND BATTERIES INCLUDING SUCH MEMBRANES  
 (51) Int. Cl.  
**H01M 8/1041** ( 2016.01 )  
**H01M 8/106** ( 2016.01 )  
**H01M 8/1062** ( 2016.01 )  
**H01M 8/1065** ( 2016.01 )  
**H01M 8/1067** ( 2016.01 )  
**H01M 8/1086** ( 2016.01 )  
**H01M 8/18** ( 2006.01 )  
 (87) WO2023/158571  
 (31) 63/310,398 (32) 15.02.22 (33) US  
 (43) 24.08.2023  
 (72) WHEAR, J., Kevin; MILLER, Eric, H.; GOODBY, Andrew; ROBERTS, Margaret; ALEXANDER, Daniel, R.; VERDERAME, Anna  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) DE FAIRE MEDICAL AB  
 (11) AU-A-2023246874  
 (21) 2023246874 (22) 30.03.2023  
 (54) ALCOHOL DEGRADING COMPOSITIONS AND USES THEREOF  
 (51) Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 35/742** ( 2015.01 )  
**A61K 36/899** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2023/187097  
 (31) 2204716.1 (32) 31.03.22 (33) GB  
 (43) 05.10.2023  
 (72) DE FAIRE, Johan  
 (74) AJ PARK

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(71) DEVELOPMENT CENTER FOR BIOTECHNOLOGY  
 (11) AU-A-2022444380  
 (21) 2022444380 (22) 04.03.2022

(54) ANTI-CD73 ANTIBODIES AND USE THEREOF  
 (51) Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C12N 9/16** ( 2006.01 )  
 (87) WO2023/167680  
 (43) 07.09.2023  
 (72) LEE, Chun-Chung; LO, Yu-Hsun; LIAO, Chu-Bin; HONG, Chen-Jei; CHEN, Sih-Yu; WU, Yen-Yu; LAI, Szu-Liang; HU, Chih-Yung; KE, Wen-Bin; JUAN, Ya-Ting; HUANG, Kao-Jean  
 (74) AJ PARK

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(71) DICERNA PHARMACEUTICALS, INC.  
 (11) AU-A-2023254798  
 (21) 2023254798 (22) 14.04.2023  
 (54) COMPOSITIONS AND METHODS FOR MODULATING SCAP ACTIVITY  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/713** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
 (87) WO2023/201043  
 (31) 63/363,091 (32) 15.04.22 (33) US  
 (43) 19.10.2023  
 (72) BROWN, Bob Dale; DUDEK, Henryk T.; CHEONG, Seongmoon; SPIEGELMAN, Nicole Alexis  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) DIFFERENTIAL ENGINEERING INC.  
 (11) AU-A-2023229357  
 (21) 2023229357 (22) 27.02.2023  
 (54) SYSTEMS AND METHODS FOR USING EXTERNAL AND INTERNAL REACTORS TO PRODUCE AND USE A CUSTOM TREATMENT FLUID TO CHANGE THE INTERNAL CONDITIONS OF PILES  
 (51) Int. Cl.  
**C22B 3/02** ( 2006.01 )  
**C22B 3/04** ( 2006.01 )  
**C22B 3/18** ( 2006.01 )  
**C22B 3/20** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**E21B 43/28** ( 2006.01 )  
**B01F 21/00** ( 2022.01 )  
**B01F 23/232** ( 2022.01 )  
 (87) WO2023/168207  
 (31) 63/268,738 (32) 01.03.22 (33) US  
 (43) 07.09.2023  
 (72) SEAL, Thomas Joseph  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) DOLBY LABORATORIES LICENSING CORPORATION; DOLBY INTERNATIONAL AB  
 (11) AU-A-2023231617  
 (21) 2023231617 (22) 06.03.2023  
 (54) METHODS, APPARATUS AND SYSTEMS FOR DIRECTIONAL AUDIO CODING-SPATIAL RECONSTRUCTION AUDIO PROCESSING

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**G10L 19/008** ( 2013.01 )  
**G10L 19/18** ( 2013.01 )
- (87) WO2023/172865  
(31) 63/318,744 (32) 10.03.22 (33) US  
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63/338,674 05.05.22 US  
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63/487,332 28.02.23 US
- (43) 14.09.2023  
(72) TYAGI, Rishabh; TORRES, Juan Felix; BRUHN, Stefan; BROWN, Stefanie  
(74) Spruson & Ferguson
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- (71) DONOVAN GROUP HOLDINGS LIMITED  
(11) AU-A-2023234015  
(21) 2023234015 (22) 16.03.2023  
(54) JOINT STRUCTURE AND METHOD OF FORMING AT LEAST A PART OF A JOINT STRUCTURE
- (51) Int. Cl.  
**E04B 1/24** ( 2006.01 )  
**E04B 1/58** ( 2006.01 )  
**E04B 7/06** ( 2006.01 )  
**E04C 2/08** ( 2006.01 )  
**E04C 3/04** ( 2006.01 )  
**E04C 3/32** ( 2006.01 )
- (87) WO2023/175562  
(31) 786362 (32) 18.03.22 (33) NZ  
(43) 21.09.2023  
(72) DONOVAN, Brett Norman  
(74) Dentons Patent Attorneys Australasia Limited
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- (71) DUBAI ALUMINIUM PJSC  
(11) AU-A-2023252047  
(21) 2023252047 (22) 11.04.2023  
(54) METHOD FOR PROCESSING BAUXITE RESIDUES FROM THE BAYER PROCESS, AND MINERAL PRODUCT OBTAINED BY SAID METHOD
- (51) Int. Cl.  
**B09B 3/70** ( 2022.01 )  
**B03B 7/00** ( 2006.01 )  
**C01F 7/06** ( 2022.01 )  
**B09B 101/00** ( 2022.01 )
- (87) WO2023/199215  
(31) 22167879.0 (32) 12.04.22 (33) EP  
(43) 19.10.2023  
(72) GRAEFE, Markus; ROSENBERG, Steven, Philip; HAYNES, Richard, John  
(74) GLMR
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- (71) DUKE UNIVERSITY  
(11) AU-A-2023228676  
(21) 2023228676 (22) 02.03.2023  
(54) CASCADED NUCLEIC ACID PROTOCOLS FOR ULTRA-SPECIFIC MOLECULAR DETECTION, TRANSDUCTION, AND AMPLIFICATION
- (51) Int. Cl.  
**C12Q 1/6853** ( 2018.01 )  
**C12N 15/11** ( 2006.01 )  
**C12P 19/34** ( 2006.01 )  
**C12Q 1/6844** ( 2018.01 )
- C12Q 1/6848 ( 2018.01 )  
(87) WO2023/168328  
(31) 63/315,635 (32) 02.03.22 (33) US  
18/116,138 01.03.23 US  
(43) 07.09.2023  
(72) REIF, John H.; SONG, Xin  
(74) Griffith Hack
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- (71) EESAVYASA TECHNOLOGIES PVT LTD.  
(11) AU-A-2023214883  
(21) 2023214883 (22) 04.02.2023  
(54) A METHOD AND SYSTEM FOR EXTRACTION OF IRON VALUES FROM RED MUD
- (51) Int. Cl.  
**C22B 1/00** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )
- (87) WO2023/148774  
(31) 202241006268 (32) 05.02.22 (33) IN  
(43) 10.08.2023  
(72) MAMIDYALA, Sreeman Kumar; DAMU-LURI, Chakravarthy; KUNAM, Sasidhar Reddy; BANDA, Ravisankar  
(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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- (71) EIG SERVICES, INC.  
(11) AU-A-2023326196  
(21) 2023326196 (22) 11.08.2023  
(54) DIGITAL PLATFORM FOR CONNECTING INSURANCE RELATED TRANSACTIONS
- (51) Int. Cl.  
**G06Q 40/08** ( 2012.01 )  
**G06F 3/04842** ( 2022.01 )  
**G06Q 10/10** ( 2023.01 )
- (87) WO2024/039581  
(31) 63/371,619 (32) 16.08.22 (33) US  
(43) 22.02.2024  
(72) BECKER, David S.; CERNA, Daniel Lorenzo; MICKELSON, Graig; TRUDEAU, David; ZICORNELL, Christopher Bradley  
(74) FB Rice Pty Ltd
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- (71) EISAI R&D MANAGEMENT CO., LTD.  
(11) AU-A-2023246216  
(21) 2023246216 (22) 29.03.2023  
(54) PHARMACEUTICAL COMPOSITION FOR TREATING TUMORS
- (51) Int. Cl.  
**A61K 31/53** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 45/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )
- (87) WO2023/190748  
(31) 2022-060715 (32) 31.03.22 (33) JP  
(43) 05.10.2023  
(72) KATO Yu; KUME Masahiko; HORI Yusaku; ADACHI Yusuke  
(74) Davies Collison Cave Pty Ltd
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- (71) EISAI R&D MANAGEMENT CO., LTD.  
(11) AU-A-2023258800  
(21) 2023258800 (22) 25.04.2023
- (54) PHARMACEUTICAL COMPOSITION FOR TREATMENT OF PARKINSON'S DISEASE
- (51) Int. Cl.  
**A61K 31/18** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 45/00** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )
- (87) WO2023/210617  
(31) 2022-073291 (32) 27.04.22 (33) JP  
(43) 02.11.2023  
(72) FUKUSHIMA Kazuyuki  
(74) Davies Collison Cave Pty Ltd
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- (71) ELANCO US INC.  
(11) AU-A-2023243456  
(21) 2023243456 (22) 29.03.2023  
(54) WINGED CAPSULE DEVICES AND METHODS
- (51) Int. Cl.  
**A61D 7/00** ( 2006.01 )  
**A61M 31/00** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )
- (87) WO2023/192903  
(31) 63/325,783 (32) 31.03.22 (33) US  
(43) 05.10.2023  
(72) LI, Jianbin; KILLORY, James; HEMINGWAY, Jeremy  
(74) Davies Collison Cave Pty Ltd
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- (71) ELC MANAGEMENT LLC  
(11) AU-A-2023227515  
(21) 2023227515 (22) 22.02.2023  
(54) COSMETIC SHEET MASKS FOR IMPROVED PRODUCT DELIVERY
- (51) Int. Cl.  
**D04H 1/4382** ( 2012.01 )  
**A45D 44/00** ( 2006.01 )  
**A61K 8/02** ( 2006.01 )
- (87) WO2023/168178  
(31) 17/652,996 (32) 01.03.22 (33) US  
(43) 07.09.2023  
(72) BUELL, Sezen; VILLACCI, Jill Marie; IYER, Sushil; TSOLIS, Peter John  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) ELECTROLUX APPLIANCES AKTIEBOLAG  
(11) AU-A-2023266514  
(21) 2023266514 (22) 20.04.2023  
(54) COOKING APPLIANCE
- (51) Int. Cl.  
**F24C 15/10** ( 2006.01 )  
**A47J 43/046** ( 2006.01 )
- (87) WO2023/217509  
(31) 22173058.3 (32) 12.05.22 (33) EP  
(43) 16.11.2023  
(72) NEUKAMM, Alwin; LEIKAM, Juergen; WALTHER, Christoph  
(74) Halfords IP
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- (71) ELECTROLUX PROFESSIONAL AB  
(11) AU-A-2023235423  
(21) 2023235423 (22) 16.03.2023  
(54) FILTER ARRANGEMENT
- (51) Int. Cl.

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

- D06F 39/10** ( 2006.01 )  
**D06F 33/30** ( 2020.01 )  
**D06F 34/14** ( 2020.01 )  
**(87)** WO2023/175093  
**(31)** 22162907.4 **(32)** 18.03.22 **(33)** EP  
**(43)** 21.09.2023  
**(72)** STÜCHELI, Marius; BLOMQVIST, Mikael; LORENTZON, Anna; RADOSAVLJEVIC, Ivan; MELIN, Niclas  
**(74)** Halfords IP
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2023249516  
**(21)** 2023249516 **(22)** 03.04.2023  
**(54)** PROCESS FOR PREPARING A GLP-1/GLUCAGON DUAL AGONIST  
**(51)** Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**C07K 1/02** ( 2006.01 )  
**C07K 5/097** ( 2006.01 )  
**C07K 5/103** ( 2006.01 )  
**C07K 5/107** ( 2006.01 )  
**C07K 5/113** ( 2006.01 )  
**C07K 5/117** ( 2006.01 )  
**(87)** WO2023/196765  
**(31)** 63/327,120 **(32)** 04.04.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** KOPACH, Michael Eugene; MURZINSKI, Emily Suzanne  
**(74)** Spruson & Ferguson
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- (71)** EMYRIA  
**(11)** AU-A-2023224515  
**(21)** 2023224515 **(22)** 24.02.2023  
**(54)** CANNABINOID DOSAGE FORM  
**(51)** Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/22** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2023/159277  
**(31)** 2022900479 **(32)** 28.02.22 **(33)** AU  
**(43)** 31.08.2023  
**(72)** WINLO, Michael; HEINRICH, Tatjana; ERNENWEIN, Tracie; BOSCH, Bill; ROTH, Sebastian  
**(74)** WRAYS PTY LTD
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- (71)** ENEOS CORPORATION  
**(11)** AU-A-2023280603  
**(21)** 2023280603 **(22)** 26.05.2023  
**(54)** METHOD FOR PRODUCING HYDRO-CARBON  
**(51)** Int. Cl.  
**C10G 11/18** ( 2006.01 )  
**(87)** WO2023/234212  
**(31)** 2022-088984 **(32)** 31.05.22 **(33)** JP  
**(43)** 07.12.2023  
**(72)** SIBATA Yuichi; FUJIMOTO Keisuke; MORI Hirotaka; OBATA Ken; TAKAHAMA Koshi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** EPICRISPR BIOTECHNOLOGIES, INC.  
**(11)** AU-A-2023229364  
**(21)** 2023229364 **(22)** 01.03.2023  
**(54)** ENGINEERED NUCLEASES, COMPOSITIONS, AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2023/168242  
**(31)** 63/315,159 **(32)** 01.03.22 **(33)** US  
 63/380,178 19.10.22 US  
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**(43)** 07.09.2023  
**(72)** YANG, Xiao; QI, Lei S.; CUTILLAS, Vincent; ALVAREZ, Gabriella; TCHEAU, Tabitha; HART, Daniel  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** EPICRISPR BIOTECHNOLOGIES, INC.  
**(11)** AU-A-2023241162  
**(21)** 2023241162 **(22)** 23.03.2023  
**(54)** ENGINEERED GENE EFFECTORS, COMPOSITIONS, AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2023/183893  
**(31)** 63/323,248 **(32)** 24.03.22 **(33)** US  
 63/381,255 27.10.22 US  
 63/489,873 13.03.23 US  
**(43)** 28.09.2023  
**(72)** CAROSSO, Giovanni; QI, Lei S.; HART, Daniel O.; YEO, Robin W.; DALEY, Timothy; JAWAID, Muhammad Zaki  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ESSECO S.R.L.  
**(11)** AU-A-2023226930  
**(21)** 2023226930 **(22)** 02.03.2023  
**(54)** USE OF CHITOSAN-PHYTATE POLYMER IN OENOLOGY  
**(51)** Int. Cl.  
**C12H 1/052** ( 2006.01 )  
**C12H 1/056** ( 2006.01 )  
**(87)** WO2023/166454  
**(31)** 102022000003848 **(32)** 02.03.22 **(33)** IT  
**(43)** 07.09.2023  
**(72)** TRIOLI, Gianni; MANFREDINI, Marco Cesare  
**(74)** Allens Patent & Trade Mark Attorneys
- 
- (71)** ESSITY HYGIENE AND HEALTH AKTIEBOLAG  
**(11)** AU-A-2022451484  
**(21)** 2022451484 **(22)** 31.03.2022  
**(54)** DISPENSER FOR DISPENSING WEB-SHAPED ABSORBENT MATERIAL FROM A CENTREFEED ROLL  
**(51)** Int. Cl.  
**A47K 10/38** ( 2006.01 )  
**A47K 10/32** ( 2006.01 )  
**(87)** WO2023/186310
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- (43)** 05.10.2023  
**(72)** GUNGNER, Susanne; GANDEMO, Tomas; KÄLLGREN, Antonio; GEERTSEN, Thomas; KULLMAN, Marcus  
**(74)** Griffith Hack
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- (71)** ESSITY HYGIENE AND HEALTH AKTIEBOLAG  
**(11)** AU-A-2022451488  
**(21)** 2022451488 **(22)** 31.03.2022  
**(54)** A METHOD FOR GENERATING COMPRESSION GARMENT FIT INFORMATION AND AN APPARATUS THEREOF  
**(51)** Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**(87)** WO2023/186318  
**(43)** 05.10.2023  
**(72)** STAAB, Peter; BANNWARTH, Sebastian; KISIEL, Michael  
**(74)** Griffith Hack
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- (71)** ESSITY HYGIENE AND HEALTH AKTIEBOLAG  
**(11)** AU-A-2022464743  
**(21)** 2022464743 **(22)** 17.06.2022  
**(54)** A PACKAGE COMPRISING A BAG AND A STACK OF ABSORBENT PADS  
**(51)** Int. Cl.  
**A61F 13/15** ( 2006.01 )  
**A61F 13/551** ( 2006.01 )  
**B65D 65/46** ( 2006.01 )  
**(87)** WO2023/241810  
**(43)** 21.12.2023  
**(72)** DIVEKAR, Chetan; THERSTOL, Hanna  
**(74)** Griffith Hack
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- (71)** ESSITY HYGIENE AND HEALTH AKTIEBOLAG  
**(11)** AU-A-2022466095  
**(21)** 2022466095 **(22)** 17.06.2022  
**(54)** A PACKAGE COMPRISING A BAG AND A STACK OF ABSORBENT ARTICLES  
**(51)** Int. Cl.  
**A61F 13/15** ( 2006.01 )  
**A61F 13/551** ( 2006.01 )  
**B65D 65/46** ( 2006.01 )  
**(87)** WO2023/241811  
**(43)** 21.12.2023  
**(72)** THERSTOL, Hanna; DIVEKAR, Chetan  
**(74)** Griffith Hack
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- (71)** EVONIK OPERATIONS GMBH  
**(11)** AU-A-2023214724  
**(21)** 2023214724 **(22)** 01.02.2023  
**(54)** AN EPIGENETIC CLOCK FOR THE GALLIFORMES FAMILY  
**(51)** Int. Cl.  
**C12Q 1/6881** ( 2018.01 )  
**(87)** WO2023/148198  
**(31)** 22155373.8 **(32)** 07.02.22 **(33)** EP  
**(43)** 10.08.2023  
**(72)** ROY, Suki; NAGARAJAN, Sanjanaa; LYKO, Frank; BÖHL, Florian; RADDATZ, Günter; LYKO-TÖNGES, Sina;

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- BOURLAND, Jennifer; PFEFFERLE, Walter; WHELAN, Rose  
**(74)** WRAYS PTY LTD
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- (71)** EXPOSOME PVT. LTD.  
**(11)** AU-A-2023230130  
**(21)** 2023230130 **(22)** 10.03.2023  
**(54)** A WASTE WATER TREATMENT SYSTEM AND METHOD USING RE-USABLE TECHNOLOGIES  
**(51)** Int. Cl.  
**C02F 1/00** ( 2023.01 )  
**C02F 1/30** ( 2023.01 )  
**C02F 1/461** ( 2023.01 )  
**(87)** WO2023/170711  
**(31)** 202221012966 **(32)** 10.03.22 **(33)** IN  
**(43)** 14.09.2023  
**(72)** GORADIA, Prena  
**(74)** EUREKA IP PTY LTD
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- (71)** EYE CO PTY LTD  
**(11)** AU-A-2023221950  
**(21)** 2023221950 **(22)** 15.02.2023  
**(54)** TREATMENT OF ANATOMICAL AND FUNCTIONAL RETINAL ATROPHIES  
**(51)** Int. Cl.  
**A61K 31/573** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
**A61K 36/185** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(87)** WO2023/154980  
**(31)** 2022900318 **(32)** 15.02.22 **(33)** AU  
**(43)** 24.08.2023  
**(72)** PENFOLD, Phillip Leslie  
**(74)** Oxygene IP
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- (71)** EYEPOINT PHARMACEUTICALS, INC.  
**(11)** AU-A-2023230975  
**(21)** 2023230975 **(22)** 10.03.2023  
**(54)** METHOD OF PREVENTING AGE-RELATED MACULAR DEGENERATION BY ADMINISTERING AN OCULAR DRUG DELIVERY INSERT  
**(51)** Int. Cl.  
**A61K 31/404** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(87)** WO2023/173088  
**(31)** 63/318,822 **(32)** 11.03.22 **(33)** US  
 63/390,036 18.07.22 US  
**(43)** 14.09.2023  
**(72)** SAIM, Said; DUKER, Jay S.; PAGGIARINO, Dario; HOWARD-SPARKS, Michelle  
**(74)** WRAYS PTY LTD
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- (71)** EYEPOINT PHARMACEUTICALS, INC.  
**(11)** AU-A-2023230976  
**(21)** 2023230976 **(22)** 10.03.2023
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- (54)** CONTINUOUS DOSING REGIMEN FOR TREATMENT OF A CONDITION OF THE EYE  
**(51)** Int. Cl.  
**A61K 31/404** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**(87)** WO2023/173093  
**(31)** 63/318,823 **(32)** 11.03.22 **(33)** US  
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**(43)** 14.09.2023  
**(72)** SAIM, Said; PAGGIARINO, Dario; DURHAM, Owen, N.; LURKER, Nancy; DUKER, Jay, S.; HOWARD-SPARKS, Michelle; KARZOUN, Basel  
**(74)** WRAYS PTY LTD
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- (71)** F. HOFFMANN-LA ROCHE AG  
**(11)** AU-A-2023268579  
**(21)** 2023268579 **(22)** 11.05.2023  
**(54)** COMBINATION OF ALLOSTERIC AND ORTHOSTERIC EGFR INHIBITORS FOR THE TREATMENT OF CANCER  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2023/217924  
**(31)** 22175302.3 **(32)** 25.05.22 **(33)** EP  
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**(72)** JAESCHKE, Georg; MARTOGLIO, Bruno; NAGEL, Yvonne Alice; OBST-SANDER, Christa Ulrike; RICCI, Antonio  
**(74)** Griffith Hack
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- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2023217334  
**(21)** 2023217334 **(22)** 13.02.2023  
**(54)** PATIENT GAS DELIVERY SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61M 16/04** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )  
**A61M 16/20** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**(87)** WO2023/152712  
**(31)** 63/309,145 **(32)** 11.02.22 **(33)** US  
**(43)** 17.08.2023  
**(72)** DARBY, Adam John; HAMILTON, Mark Samuel; SIMS, David John; BABBAGE, Sean Joel; WYSOSKI, Simej Gomes; GRIMMER, Alan John; BOTHMA, Johannes Nicolaas; FLINTOFF, Zak Jake; WRIGHT, Frederick David Allan; CHU, Madison Brooke  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** FLEET SPACE TECHNOLOGIES PTY LTD  
**(11)** AU-A-2022444396  
**(21)** 2022444396 **(22)** 24.11.2022  
**(54)** SATELLITE-ENABLED NODE FOR AMBIENT NOISE TOMOGRAPHY  
**(51)** Int. Cl.  
**G01V 1/22** ( 2006.01 )  
**G01S 19/01** ( 2010.01 )  
**G01S 19/53** ( 2010.01 )  
**G01V 1/16** ( 2006.01 )  
**G01V 1/24** ( 2006.01 )  
**H01Q 1/00** ( 2006.01 )  
**H04B 7/24** ( 2006.01 )  
**H04Q 9/02** ( 2006.01 )  
**(87)** WO2023/164738  
**(31)** 2022900533 **(32)** 04.03.22 **(33)** AU  
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**(43)** 07.09.2023  
**(72)** BORG, Braeden, James; PEARSON, Matthew, James  
**(74)** FB Rice Pty Ltd
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- (71)** FLEXIBLE STEEL LACING COMPANY  
**(11)** AU-A-2023229276  
**(21)** 2023229276 **(22)** 03.03.2023  
**(54)** CONVEYOR GAP BLOCKER  
**(51)** Int. Cl.  
**B65G 47/66** ( 2006.01 )  
**B29C 48/09** ( 2019.01 )  
**B65G 13/11** ( 2006.01 )  
**B65G 39/12** ( 2006.01 )  
**(87)** WO2023/168047  
**(31)** 63/316,344 **(32)** 03.03.22 **(33)** US  
**(43)** 07.09.2023  
**(72)** PETTINGA, Mark Steven  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** FLSMIDTH A/S  
**(11)** AU-A-2023226932  
**(21)** 2023226932 **(22)** 02.03.2023  
**(54)** PROCESS FOR DECARBONATION OF CARBONATED MATERIALS AND DEVICE THEREOF  
**(51)** Int. Cl.  
**C04B 2/10** ( 2006.01 )  
**(87)** WO2023/166464  
**(31)** 63/315,632 **(32)** 02.03.22 **(33)** US  
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 PA202300011 06.01.23 DK  
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**(43)** 07.09.2023  
**(72)** ROBIN, Charles; GUTHRIE, Steven Bruce; CAMBIER, Pierre-Olivier; BRANDT, Johan; PROKESCH, Michael; FREAS, Thomas; KYLE, Timothy  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** FMC AGRICULTURAL SOLUTIONS A/S  
**(11)** AU-A-2023233844  
**(21)** 2023233844 **(22)** 16.03.2023  
**(54)** STABILIZATION OF ALDEHYDES AND/OR AN ALCOHOLS  
**(51)** Int. Cl.



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**A01N 43/50** ( 2006.01 )  
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**A01N 43/78** ( 2006.01 )  
**A01N 43/82** ( 2006.01 )  
**A01N 49/00** ( 2006.01 )  
**A01N 59/16** ( 2006.01 )  
**A01P 7/00** ( 2006.01 )  
**C08K 5/36** ( 2006.01 )  
**(87)** WO2023/175065  
**(31)** 22162412.5 **(32)** 16.03.22 **(33)** EP  
**(43)** 21.09.2023  
**(72)** GABRIELSSON, Anders  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** FMC CORPORATION; FMC IP TECHNOLOGY GMBH  
**(11)** AU-A-2023232772  
**(21)** 2023232772 **(22)** 03.03.2023  
**(54)** COMPOSITIONS COMPRISING CHLORANRANILIPROLE AND SPECIFIC SEMOCHEMICAL COMPONENTS  
**(51)** Int. Cl.  
**A01N 31/02** ( 2006.01 )  
**A01N 43/56** ( 2006.01 )  
**A01P 7/04** ( 2006.01 )  
**(87)** WO2023/172464  
**(31)** 63/317,570 **(32)** 08.03.22 **(33)** US  
**(43)** 14.09.2023  
**(72)** ALBER, Robert; DUNN, Paul; FERNANDEZ BESCHTEDT, Carlos Horacio; MORRE, Jorge Luis; SCARPONI, Santiago Alejandro; TEIXEIRA, Luis  
**(74)** WRAYS PTY LTD

**(71)** FMC CORPORATION  
**(11)** AU-A-2023240976  
**(21)** 2023240976 **(22)** 22.03.2023  
**(54)** PROCESSES FOR CRYSTALLIZATION OF AMORPHOUS PESTICIDES AND FORMULATIONS THEREOF  
**(51)** Int. Cl.  
**A01P 7/04** ( 2006.01 )  
**A01N 25/04** ( 2006.01 )  
**(87)** WO2023/183353  
**(31)** 63/322,360 **(32)** 22.03.22 **(33)** US  
**(43)** 28.09.2023  
**(72)** KELLER, Evan Francis; YAN, Laibin Bruce  
**(74)** WRAYS PTY LTD

**(71)** FRANZIUS, C.; DUVENECK, A.L.  
**(11)** AU-A-2023227304  
**(21)** 2023227304 **(22)** 17.02.2023  
**(54)** DEVICE FOR SUSPENDING A BRIDLE AND USE OF A DEVICE  
**(51)** Int. Cl.  
**A01L 15/00** ( 2006.01 )  
**B68B 9/00** ( 2006.01 )  
**(87)** WO2023/165663  
**(31)** 20 2022101 171.0 **(32)** 03.03.22 **(33)** DE  
**(43)** 07.09.2023  
**(72)** FRANZIUS, Christoph; DUVENECK, Anna Lena  
**(74)** Davies Collison Cave Pty Ltd

**(71)** FUTURE MEAT TECHNOLOGIES LTD.  
**(11)** AU-A-2023222278  
**(21)** 2023222278 **(22)** 16.02.2023  
**(54)** SYSTEMS AND METHODS FOR RE-JUVENATING CELL CULTURE MEDIUM  
**(51)** Int. Cl.  
**C12M 1/00** ( 2006.01 )  
**B01D 61/44** ( 2006.01 )  
**C12M 1/26** ( 2006.01 )  
**(87)** WO2023/156933  
**(31)** 63/310,654 **(32)** 16.02.22 **(33)** US  
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**(72)** NAHMIAS, Yaakov; HALAF, Gidon; SHIDLOVSKY, Zach; ZUKERMAN NARODIZKY, Hila  
**(74)** FB Rice Pty Ltd

**(71)** GACW INCORPORATED  
**(11)** AU-A-2023233485  
**(21)** 2023233485 **(22)** 03.03.2023  
**(54)** WHEEL ASSEMBLY INCLUDING INBOARD AND OUTBOARD FLANGES DEFINING MECHANICAL STOPS AND RELATED METHODS  
**(51)** Int. Cl.  
**B60B 9/24** ( 2006.01 )  
**B60B 9/28** ( 2006.01 )  
**(87)** WO2023/177536  
**(31)** 17/693,378 **(32)** 13.03.22 **(33)** US  
**(43)** 21.09.2023  
**(72)** KEMENY, Zoltan  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** GANNEX PHARMA CO., LTD.  
**(11)** AU-A-2022443185  
**(21)** 2022443185 **(22)** 18.03.2022  
**(54)** CYCLIC PHOSPHONATE COMPOSITION AND PREPARATION METHOD THEREOF  
**(51)** Int. Cl.  
**A61K 9/14** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 31/66** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**(87)** WO2023/163795  
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**(43)** 31.08.2023  
**(72)** WU, Jinzi Jason; CHAI, Xuyu  
**(74)** Davies Collison Cave Pty Ltd

**(71)** GCP APPLIED TECHNOLOGIES INC.  
**(11)** AU-A-2022444932  
**(21)** 2022444932 **(22)** 04.03.2022  
**(54)** PREAPPLIED WATERPROOFING BONDING COATING AND SYSTEMS AND METHODS INVOLVING THE SAME  
**(51)** Int. Cl.  
**C09D 5/02** ( 2006.01 )  
**B32B 25/04** ( 2006.01 )  
**C09D 7/61** ( 2018.01 )  
**C09D 7/65** ( 2018.01 )  
**(87)** WO2023/164927

**(43)** 07.09.2023  
**(72)** WANG, Qian; CHEN, Huhe; CAO, Xia  
**(74)** Spruson & Ferguson

**(71)** GENFIT  
**(11)** AU-A-2023248698  
**(21)** 2023248698 **(22)** 06.04.2023  
**(54)** IMPROVED DIAGNOSIS OF NONALCOHOLIC STEATOHEPATITIS  
**(51)** Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
**(87)** WO2023/194593  
**(31)** 22305503.9 **(32)** 08.04.22 **(33)** EP  
**(43)** 12.10.2023  
**(72)** MAGNANENSI, Jérémy; ROSENQUIST, Christian; MAJD, Zouher; HAJJI, Yacine  
**(74)** Davies Collison Cave Pty Ltd

**(71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2023240346  
**(21)** 2023240346 **(22)** 21.03.2023  
**(54)** COMBINATION THERAPY FOR TREATING TROP-2 EXPRESSING CANCERS  
**(51)** Int. Cl.  
**A61K 45/06** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**(87)** WO2023/183817  
**(31)** 63/323,380 **(32)** 24.03.22 **(33)** US  
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**(72)** CHAO, Mark, P.; GROSSMAN, William, J.; LAL, Inderjit, D.; LEGRAND, Fatema, A.; SCHOLLER, Nathalie; BATES, Jamie, G.; ASSI, Hikmat, H.; CHOU, Chih-Chien  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** GOOGLE LLC  
**(11)** AU-A-2023241710  
**(21)** 2023241710 **(22)** 30.03.2023  
**(54)** NATURAL LANGUAGE CONTROL OF A ROBOT  
**(51)** Int. Cl.  
**B25J 9/16** ( 2006.01 )  
**G10L 15/18** ( 2013.01 )  
**(87)** WO2023/192497  
**(31)** 63/325,556 **(32)** 30.03.22 **(33)** US  
**(43)** 63/326,080 31.03.22 US  
**(43)** 05.10.2023  
**(72)** HAUSMAN, Karol; ICHTER, Brian; LEVINE, Sergey; TOSHEV, Alexander; XIA, Fei; PARADA, Carolina  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** GRACO MINNESOTA INC.  
**(11)** AU-A-2023232029  
**(21)** 2023232029 **(22)** 08.03.2023  
**(54)** FLUID SPRAYER  
**(51)** Int. Cl.  
**B05B 1/30** ( 2006.01 )  
**B05B 9/01** ( 2006.01 )  
**B05B 9/043** ( 2006.01 )  
**B05B 15/62** ( 2018.01 )

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**(43)** 14.09.2023  
**(72)** KINNE, Robert, W.; HINES, Christopher, C.; OLSON, Diane, L.; ERICSON, Andrew, J.; DRAYNA, Sophia, E.; MUETZEL, Pamela, J.  
**(74)** Spruson & Ferguson
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- (71)** GRAVIT PRACTICE GOLF, S.L.  
**(11)** AU-A-2023215794  
**(21)** 2023215794 **(22)** 02.02.2023  
**(54)** SUPPORTING AND FASTENING SYSTEM FOR A PORTABLE DEVICE FOR PLAYING GOLF  
**(51)** Int. Cl.  
**A63D 1/02** ( 2006.01 )  
**A63B 69/36** ( 2006.01 )  
**(87)** WO2023/148418  
**(31)** U202230168 **(32)** 03.02.22 **(33)** ES  
**(43)** 10.08.2023  
**(72)** PEREZ QUIÑONERO, Jose Luis  
**(74)** Alder IP Pty Ltd
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- (71)** GRAVITY ENERGY PTY LTD  
**(11)** AU-A-2023226950  
**(21)** 2023226950 **(22)** 21.02.2023  
**(54)** RECIRCULATING HYDRO-PNEUMATIC IMPULSE TURBINE  
**(51)** Int. Cl.  
**F03B 1/02** ( 2006.01 )  
**F03B 1/04** ( 2006.01 )  
**F03B 11/00** ( 2006.01 )  
**F03B 15/20** ( 2006.01 )  
**F03B 17/00** ( 2006.01 )  
**(87)** WO2023/164740  
**(31)** 2022900497 **(32)** 02.03.22 **(33)** AU  
**(43)** 07.09.2023  
**(72)** BARTOLO, Kevin, Robert  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** GREENSTONE BIOSCIENCES, INC.  
**(11)** AU-A-2023261942  
**(21)** 2023261942 **(22)** 26.04.2023  
**(54)** TREATMENT OF THE ADVERSE CARDIOVASCULAR EFFECTS OF CANNABINOIDS  
**(51)** Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**(87)** WO2023/212130  
**(31)** 63/336,294 **(32)** 28.04.22 **(33)** US  
**(43)** 02.11.2023  
**(72)** WU, Joseph, C.; CHAO, Jade; CHANDY, Mark; PANG, Paul  
**(74)** AJ PARK
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- (71)** HAINAN SIMCERE PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2023227283  
**(21)** 2023227283 **(22)** 02.03.2023
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- (54)** PHARMACEUTICAL COMPOSITION OF IL2 MUTANT-ANTIBODY FC BLOCK FUSION PROTEIN AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 38/20** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**(87)** WO2023/165553  
**(31)** 202210210240.9 **(32)** 03.03.22 **(33)** CN  
202310181936.8 28.02.23 CN  
**(43)** 07.09.2023  
**(72)** LI, Shengnan; WANG, Shuai; LI, Xinxin; YAN, Yuxi; HU, Jianzhong; TANG, Renhong; REN, Jinsheng  
**(74)** Kings Patent & Trade Marks Attorneys Pty Ltd
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- (71)** HBC IMMUNOLOGY INC.  
**(11)** AU-A-2023215340  
**(21)** 2023215340 **(22)** 03.02.2023  
**(54)** MEDICINAL USES OF OLIGOPEPTIDES IN COMBINATION WITH AN ANTIANDROGEN  
**(51)** Int. Cl.  
**A61P 35/04** ( 2006.01 )  
**A61K 38/08** ( 2019.01 )  
**A61K 38/10** ( 2006.01 )  
**(87)** WO2023/150720  
**(31)** 63/306,979 **(32)** 04.02.22 **(33)** US  
**(43)** 10.08.2023  
**(72)** FRAMROZE, Bomi  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** HEALTH CARE ORIGINALS, INC.  
**(11)** AU-A-2023219680  
**(21)** 2023219680 **(22)** 31.01.2023  
**(54)** RESPIRATORY DISEASE MONITORING WEARABLE APPARATUS  
**(51)** Int. Cl.  
**A61B 5/08** ( 2006.01 )  
**A61B 7/00** ( 2006.01 )  
**A61B 5/24** ( 2021.01 )  
**A61B 7/04** ( 2006.01 )  
**(87)** WO2023/154645  
**(31)** 17/650,958 **(32)** 14.02.22 **(33)** US  
**(43)** 17.08.2023  
**(72)** DWARIKA, Jared  
**(74)** Patentec Patent Attorneys
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- (71)** HLCIM TECHNOLOGY LTD  
**(11)** AU-A-2023239056  
**(21)** 2023239056 **(22)** 21.03.2023  
**(54)** BLOCK FOR BUILDING HYDRAULIC STRUCTURES  
**(51)** Int. Cl.  
**E02B 3/14** ( 2006.01 )  
**E02B 3/12** ( 2006.01 )  
**E02D 29/02** ( 2006.01 )  
**(87)** WO2023/180912  
**(31)** 22020119.8 **(32)** 21.03.22 **(33)** EP  
**(43)** 28.09.2023  
**(72)** JABOBS, Robert Peter Michaël; VERMEIJ, Izak  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HOLOGIC, INC.  
**(11)** AU-A-2023224291  
**(21)** 2023224291 **(22)** 24.02.2023  
**(54)** DIGITAL IMAGING SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G06T 5/50** ( 2006.01 )  
**(87)** WO2023/164664  
**(31)** 63/315,041 **(32)** 28.02.22 **(33)** US  
**(43)** 31.08.2023  
**(72)** JENOSKI, Raymond; MARKS, Randall  
**(74)** FB Rice Pty Ltd
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- (71)** HOSPITAL SANT JOAN DE DEU; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LIMITED; GATE2BRAIN, S.L.  
**(11)** AU-A-2023242296  
**(21)** 2023242296 **(22)** 27.03.2023  
**(54)** PEPTIDIC WATER-SOLUBLE DELIVERY SYSTEM OF ANTICANCER DRUGS  
**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2023/186822  
**(31)** 22382287.5 **(32)** 28.03.22 **(33)** EP  
**(43)** 05.10.2023  
**(72)** MONTERO CARCABOSO, Ángel; DARIO SOSNIK, Alejandro; RESA PARÉS, Clàudia; TEIXIDÓ TURÁ, Meritxell  
**(74)** Michael Buck IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2023228221  
**(21)** 2023228221 **(22)** 27.02.2023  
**(54)** COMMUNICATION METHOD AND COMMUNICATION APPARATUS  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04W 4/90** ( 2018.01 )  
**H04W 74/08** ( 2009.01 )  
**(87)** WO2023/165450  
**(31)** 202210200091.8 **(32)** 01.03.22 **(33)** CN  
**(43)** 07.09.2023  
**(72)** GUO, Yuchen; LI, Yunbo; GAN, Ming  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2023232350  
**(21)** 2023232350 **(22)** 28.02.2023  
**(54)** SIGNAL TRANSMISSION METHOD AND RELATED DEVICE  
**(51)** Int. Cl.  
**H04W 4/02** ( 2018.01 )  
**(87)** WO2023/169263  
**(31)** 202210225959.X **(32)** 07.03.22 **(33)** CN  
**(43)** 14.09.2023  
**(72)** QIAN, Bin; LIU, Chenchen; YANG, Xun; WU, Kuan  
**(74)** Halfords IP
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 (11) AU-A-2023235986  
 (21) 2023235986 (22) 02.03.2023  
 (54) COMMUNICATION METHOD AND RELATED DEVICE  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04N 19/103* ( 2014.01 )  
 (87) WO2023/174065  
 (31) 202210248453.0 (32) 14.03.22 (33) CN  
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 (72) YU, Jian; LI, Jiahui; MA, Mengyao; GAN, Ming  
 (74) Halfords IP
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*A61P 1/02* ( 2006.01 )  
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*C07D 401/14* ( 2006.01 )  
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**C07D 333/00** ( 2006.01 )  
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**B64C 39/02** ( 2023.01 )  
**B64U 70/70** ( 2023.01 )  
**B64U 80/70** ( 2023.01 )  
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**C11D 1/40** ( 2006.01 )  
**C11D 1/62** ( 2006.01 )  
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**G06F 21/31** ( 2013.01 )
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**H01M 8/08** ( 2016.01 )  
**H01M 8/18** ( 2006.01 )  
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**A61L 2/07** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**C07C 59/13** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**C07D 211/66** ( 2006.01 )  
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**H01M 8/18** ( 2006.01 )  
**G01R 31/389** ( 2019.01 )  
**H01M 8/04537** ( 2016.01 )  
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**(54)** METHOD FOR OBTAINING A NICK-  
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 FOR PROCESSING A NICKEL ORE  
 CONCENTRATE, AND METHOD FOR  
 RECOVERING MATERIALS DERIVED  
 FROM NICKEL ORE  
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**C22B 1/00** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 3/10** ( 2006.01 )  
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**C22B 23/00** ( 2006.01 )  
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 SPACE  
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**B60H 3/06** ( 2006.01 )  
**A23B 7/152** ( 2006.01 )  
**B01D 46/00** ( 2022.01 )  
**B60H 1/32** ( 2006.01 )  
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**(54)** CEMENT COMPOSITIONS WITH 3D  
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**(51)** Int. Cl.  
**C04B 14/02** ( 2006.01 )  
**C04B 28/04** ( 2006.01 )  
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 TOUGHNESS STEEL WITH LONG  
 SERVICE LIFE AND WALL THICK-  
 NESS OF ≥ 600 MM FOR VALVE  
 BODY OF SUBSEA CHRISTMAS  
 TREE, AND HEAT TREATMENT  
 METHOD AND PRODUCTION METH-  
 OD THEREFOR  
**(51)** Int. Cl.  
**C22C 38/02** ( 2006.01 )  
**C21D 6/00** ( 2006.01 )  
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**(21)** 2023234504 (22) 27.02.2023  
**(54)** BREATHING APPARATUS AND A  
 METHOD OF CONTROLLING THE  
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**(51)** Int. Cl.  
**A62B 18/04** ( 2006.01 )  
**A62B 7/02** ( 2006.01 )  
**A62B 7/10** ( 2006.01 )  
**A62B 9/02** ( 2006.01 )  
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**A62B 18/00** ( 2006.01 )
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- A62B 18/08** ( 2006.01 )  
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**(54)** PRODRUGS OF GANAXOLONE  
**(51)** Int. Cl.  
**C07J 41/00** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07J 7/00** ( 2006.01 )  
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**(21)** 2023221307 (22) 31.01.2023  
**(54)** SYSTEMS AND METHODS FOR A  
 PET IMAGE SEARCH BASED ON A  
 PET IMAGE CREATED BY A USER  
**(51)** Int. Cl.  
**G06F 16/53** ( 2019.01 )  
**(87)** WO2023/158920  
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 TURNER, Cameron  
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**(11)** AU-A-2023228701  
**(21)** 2023228701 (22) 01.03.2023  
**(54)** ON-DEMAND HYPOCHLOROUS ACID  
 (HOCL) GENERATOR AND SPRAYER  
**(51)** Int. Cl.  
**A61L 2/18** ( 2006.01 )  
**C01B 11/04** ( 2006.01 )  
**C25B 1/26** ( 2006.01 )  
**C25B 9/60** ( 2021.01 )  
**C25B 15/08** ( 2006.01 )  
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 (51) Int. Cl.  
*F15D 1/02* ( 2006.01 )  
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 (11) AU-A-2023245795  
 (21) 2023245795 (22) 31.03.2023  
 (54) SYSTEM AND METHOD FOR REGULATING POWER OUTPUT OF MULTIPLE SOLAR SUBSTRINGS  
 (51) Int. Cl.  
*H02J 3/38* ( 2006.01 )  
*H02J 3/26* ( 2006.01 )  
*H02S 40/34* ( 2014.01 )  
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 (72) IRISH, Linda; BRAUN, Weston  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2023223808  
 (21) 2023223808 (22) 21.02.2023  
 (54) RADIOLABELED FAP $\alpha$ -AFFINITY COMPOUND AND USE THEREOF  
 (51) Int. Cl.  
*A61K 47/54* ( 2017.01 )  
*A61K 51/04* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07H 15/26* ( 2006.01 )  
*C07K 5/02* ( 2006.01 )  
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 (11) AU-A-2023230610  
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 (54) METHOD FOR PRODUCING RADIOLABELED ARYL COMPOUND BY ELECTROLYTIC OXIDATION REACTION  
 (51) Int. Cl.  
*C07C 231/12* ( 2006.01 )  
*C07B 59/00* ( 2006.01 )  
*C25B 3/11* ( 2021.01 )  
*C25B 3/27* ( 2021.01 )
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- C25B 15/023* ( 2021.01 )  
*C25B 15/029* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )  
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 (54) COMBINATION FORMULATION OF CEDAZURIDINE  
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*A61K 9/20* ( 2006.01 )  
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*A61K 31/706* ( 2006.01 )  
*A61K 31/7068* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (72) DAVAR, Nipun; KOU, Jim; JAIN, Rachna  
 (74) FPA Patent Attorneys Pty Ltd
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 (54) MANAGEMENT SYSTEM, AIR-CONDITIONING EQUIPMENT MANAGEMENT METHOD, AND PROGRAM  
 (51) Int. Cl.  
*F24F 11/64* ( 2018.01 )  
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*F24F 11/61* ( 2018.01 )  
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*F16L 55/163* ( 2006.01 )  
*E03F 3/06* ( 2006.01 )  
*F16J 15/10* ( 2006.01 )  
*F16L 17/067* ( 2006.01 )  
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 (72) RASMUSSEN, Mogens Pagter; RASMUSSEN, Bent Sloth  
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 (54) MULTISPECIFIC ANTIBODIES BINDING TO IL-4, IL-13 AND/OR TSLP AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
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 (54) TABLET AND METHOD OF WASHING A FABRIC  
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*C11D 11/00* ( 2006.01 )  
*B08B 3/04* ( 2006.01 )  
*C11D 3/366* ( 2006.01 )  
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*D06F 35/00* ( 2006.01 )  
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 (11) AU-A-2023276739  
 (21) 2023276739 (22) 23.05.2023  
 (54) COMPOSITIONS AND METHODS FOR TARGETING DONOR POLYNUCLEOTIDES IN SOYBEAN GENOMIC LOCI  
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*C12N 15/82* ( 2006.01 )  
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| <p>(71) PLUSAI, INC.<br/>(11) AU-A-2023223274<br/>(21) 2023223274 (22) 22.02.2023<br/>(54) METHOD AND APPARATUS FOR NAVIGATING AN AUTONOMOUS VEHICLE BASED ON A MAP UPDATED IN REGIONS<br/>(51) Int. Cl.<br/>G01C 21/00 ( 2006.01 )<br/>(87) WO2023/164012<br/>(31) 17/678,436 (32) 23.02.22 (33) US<br/>18/086,990 22.12.22 US<br/>(43) 31.08.2023<br/>(72) ZHOU, Mianwei; CHEN, Yibo<br/>(74) Spruson &amp; Ferguson</p>  | <p>(71) PRIMELINK BIOTHERAPEUTICS (SHENZHEN) CO., LTD<br/>(11) AU-A-2023239982<br/>(21) 2023239982 (22) 20.03.2023<br/>(54) POLYMER-DRUG CONJUGATES<br/>(51) Int. Cl.<br/>C08G 59/02 ( 2006.01 )<br/>A61K 47/68 ( 2017.01 )<br/>C07D 207/02 ( 2006.01 )<br/>(87) WO2023/179521<br/>(31) PCT/ CN2022/081885<br/>(43) 28.09.2023<br/>(72) YIN, Mao; YI, Xianhua; LU, Yingdong; SHI, Xiaohu; XIN, Ling; ZHANG, Guangchao; YU, Jiani; SHEN, Yu<br/>(74) Eagar &amp; Associates Pty Ltd</p> | <p>(71) PROMON AS<br/>(11) AU-A-2023220809<br/>(21) 2023220809 (22) 16.02.2023<br/>(54) PROTECTING SOFTWARE<br/>(51) Int. Cl.<br/>G06F 21/14 ( 2013.01 )<br/>G06F 21/12 ( 2013.01 )<br/>G06F 21/54 ( 2013.01 )<br/>(87) WO2023/156571<br/>(31) 2202209.9 (32) 18.02.22 (33) GB<br/>(43) 24.08.2023<br/>(72) WHALEY, Andrew; SIDOR, Ian<br/>(74) FB Rice Pty Ltd</p>   |
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| <p>(71) PROMETHEON TECHNOLOGIES BV<br/>(11) AU-A-2023226845<br/>(21) 2023226845 (22) 03.03.2023<br/>(54) COMPOSITE CATALYTIC MATERIAL AND FUEL CELL CONTAINING THE SAME<br/>(51) Int. Cl.<br/>H01M 4/86 ( 2006.01 )<br/>H01M 4/88 ( 2006.01 )<br/>H01M 4/90 ( 2006.01 )<br/>(87) WO2023/166219<br/>(31) 2203055.5 (32) 04.03.22 (33) GB</p>   | <p>(71) PROMETHEON TECHNOLOGIES BV<br/>(11) AU-A-2023226845<br/>(21) 2023226845 (22) 03.03.2023<br/>(54) COMPOSITE CATALYTIC MATERIAL AND FUEL CELL CONTAINING THE SAME<br/>(51) Int. Cl.<br/>H01M 4/86 ( 2006.01 )<br/>H01M 4/88 ( 2006.01 )<br/>H01M 4/90 ( 2006.01 )<br/>(87) WO2023/166219<br/>(31) 2203055.5 (32) 04.03.22 (33) GB</p>  | <p>(71) PROMETHEON TECHNOLOGIES BV<br/>(11) AU-A-2023226845<br/>(21) 2023226845 (22) 03.03.2023<br/>(54) COMPOSITE CATALYTIC MATERIAL AND FUEL CELL CONTAINING THE SAME<br/>(51) Int. Cl.<br/>H01M 4/86 ( 2006.01 )<br/>H01M 4/88 ( 2006.01 )<br/>H01M 4/90 ( 2006.01 )<br/>(87) WO2023/166219<br/>(31) 2203055.5 (32) 04.03.22 (33) GB</p>   |

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 (54) HETEROCYCLE-SUBSTITUTED AROMATIC COMPOUND, METHOD FOR PREPARING SAME, HERBICIDAL COMPOSITION, AND USE THEREOF  
 (51) Int. Cl.  
*C07D 413/10* ( 2006.01 )  
*A01N 43/80* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
*C07D 413/14* ( 2006.01 )  
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*C07D 273/01* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
*A01P 13/02* ( 2006.01 )  
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*A61K 31/519* ( 2006.01 )  
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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 (54) SYSTEMS AND METHODS FOR GENERALIZED SCENE RECONSTRUCTION  
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*G06T 15/50* ( 2011.01 )  
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 (72) ACKERSON, David Scott; LEFFINGWELL, John; RABLAU, Alexandru; DIAMOND, Stara; GREEN, Brett-Michael Thomas; MCBRIDE, Philip Anthony; KAKDE, Sakshi Madan  
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 (51) Int. Cl.  
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*A61K 31/4709* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (72) NAM, Kiyeon; KIM, Jaeseung; JEON, Borami  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) QURIENT CO., LTD.; LEAD DISCOVERY CENTER GMBH  
 (11) AU-A-2023235439  
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 (54) CDK7 INHIBITORS FOR ANTIVIRAL TREATMENT  
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*A61P 31/22* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 31/19* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )
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 A61K 31/185 ( 2006.01 )  
 (87) WO2023/158777  
 (31) 63/311,559 (32) 18.02.22 (33) US  
 (43) 24.08.2023  
 (72) SUKURU, Karunakar; FANG, Qi  
 (74) Pearce IP Pty Ltd
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 (54) A GAME CONTROLLER  
 (51) Int. Cl.  
*A63F 13/24* ( 2014.01 )  
*A63F 13/23* ( 2014.01 )  
*A63F 13/40* ( 2014.01 )  
*G06F 3/023* ( 2006.01 )  
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 (72) GUERRERO, Gil Palma, Jr.  
 (74) FB Rice Pty Ltd
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- (71) RECLUDIX PHARMA, INC.  
 (11) AU-A-2023244363  
 (21) 2023244363 (22) 30.03.2023  
 (54) STAT MODULATORS AND USES THEREOF  
 (51) Int. Cl.  
*C07F 9/40* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
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 (72) BIFULCO, Neil; BREGMAN, Howard; CIANCHETTA, Giovanni; HODOUS, Brian; REZNIK, Samuel, K.; TANG, Yong; TASKER, Andrew; VASWANI, Rishi, G.; SICKMIER, Ernest, Allen; YEOMAN, John; TIAN, Xia  
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 (11) AU-A-2023274641  
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 (54) STABLE ANTIBODY PREPARATION  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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*C07K 16/28* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
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- (71) REGENERON PHARMACEUTICALS, INC.  
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LAI, Kuan-Yu; WERT, Jonathan;  
WANG, Xiaoyan  
(74) Griffith Hack
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- (71) REGENERON PHARMACEUTICALS,  
INC.; BAYER HEALTHCARE LLC  
(11) AU-A-2023233561  
(21) 2023233561 (22) 14.03.2023  
(54) EXTENDED, HIGH DOSE VEGF ANT-  
AGONIST REGIMENS FOR TREAT-  
MENT OF ANGIOGENIC EYE DIS-  
ORDERS  
(51) Int. Cl.  
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J.; CHU, Karen; ASMUS, Friedrich; DA  
SILVA LEAL, Sergio Casimiro; EISS-  
ING, Thomas; RITTENHOUSE, Kay D.  
(74) Griffith Hack
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- (71) REGENERON PHARMACEUTICALS,  
INC.  
(11) AU-A-2023233577  
(21) 2023233577 (22) 16.03.2023  
(54) METHODS FOR CHARACTERIZA-  
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(51) Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
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(74) Griffith Hack
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- (71) REGENERON PHARMACEUTICALS,  
INC.; BAYER HEALTHCARE LLC  
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(21) 2023234355 (22) 14.03.2023  
(54) EXTENDED, HIGH DOSE VEGF ANT-  
AGONIST REGIMENS FOR TREAT-  
MENT OF ANGIOGENIC EYE DIS-  
ORDERS  
(51) Int. Cl.  
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J.; CHU, Karen; ASMUS, Friedrich; DA  
SILVA LEAL, Sergio Casimiro; EISS-  
ING, Thomas; RITTENHOUSE, Kay D.  
(74) Griffith Hack
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- (71) REGENERON PHARMACEUTICALS,  
INC.  
(11) AU-A-2023236126  
(21) 2023236126 (22) 16.03.2023  
(54) METHODS OF TREATING RECUR-  
RENT EPITHELIOID SARCOMA WITH  
BISPECIFIC ANTI-MUC16 X ANTI-CD3  
ANTIBODIES ALONE OR IN COMBIN-  
ATION WITH ANTI-PD-1 ANTIBODIES  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
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(54) METHODS AND SYSTEMS FOR  
WRITING STATE INTO SUPERCON-  
DUCTING CIRCUITS WITH INTEG-  
RATED SEMICONDUCTOR-BASED  
CIRCUITS  
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**G11C 11/061** ( 2006.01 )  
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**G11C 11/067** ( 2006.01 )  
**G11C 11/16** ( 2006.01 )  
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**G11C 11/02** ( 2006.01 )  
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(74) RnB IP Pty Ltd
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FOR REVASCULARIZATION OF THE  
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(51) Int. Cl.  
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Shahaf; ABER, Chaim Zeev; COHEN,  
Eric  
(74) Davies Collison Cave Pty Ltd
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(54) SECURITY SYSTEM FOR LOCKS  
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**E05B 13/00** ( 2006.01 )  
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CAROZ AMUNARRIZ, Javier  
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STRUCTION AUSTRALIA (PRODUC-  
TION/SUPPLY) PTY LTD  
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**E21D 21/00** ( 2006.01 )  
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TION/SUPPLY) PTY LTD  
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(54) A ROCK BOLT INSTALLATION  
(51) Int. Cl.  
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MOZISEK, Taylor  
(74) Griffith Hack
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TERMINATION OF TRAFFIC FLOW  
INFORMATION USING EXTERNAL  
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Lourenço  
(74) Golja Haines & Friend
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(51) Int. Cl.  
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*A61P 35/00* ( 2006.01 )
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(54) POWER SUPPLY CIRCUIT  
(51) Int. Cl.  
*H02M 3/155* ( 2006.01 )  
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(54) METHODS FOR IMAGING INTEGRIN  
EXPRESSION AND FOR IMAGING  
SITES OF ENDOMETRIOSIS  
(51) Int. Cl.  
*A61K 51/08* ( 2006.01 )  
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(74) Spruson & Ferguson
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- (71) SHANGHAI HENLIUS BIOTECH , INC. ;  
SHANGHAI HENLIUS BIOPHARMA-  
CEUTICAL CO., LTD. ; SHANGHAI  
HENLIUS BIOLOGICS CO., LTD.  
(11) AU-A-2023240941  
(21) 2023240941 (22) 24.03.2023  
(54) ANTI-MSLN ANTIBODIES AND METH-  
ODS OF USE  
(51) Int. Cl.  
*C07K 16/30* ( 2006.01 )  
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- (71) SHANGHAI LONGVAULT ENERGY  
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(54) FLOW BATTERY STACK OR BAT-  
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PHRAGM COMPOSITE ASSEMBLY  
AND COMPOSITE ELECTRODE  
STRUCTURE THEREOF  
(51) Int. Cl.  
*H01M 4/86* ( 2006.01 )
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(72) HAN, Zhijie  
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LTD  
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(54) BATTERY CHARGING SYSTEM HAV-  
ING COMPATIBLE CONNECTION AP-  
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(51) Int. Cl.  
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(74) SHENZHEN GREPOW BATTERY CO.,  
LTD
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(11) AU-A-2023216459  
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(54) FENCE BRACKET AND FENCE  
BRACKET SYSTEM  
(51) Int. Cl.  
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*E01F 13/02* ( 2006.01 )  
*E04H 17/18* ( 2006.01 )
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(72) HAWTHORNTHWAITE, Steven  
(74) Cooper IP Pty Ltd
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CO. KG  
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(54) ELECTROCHEMICAL CELL FOR A  
HIGH-PRESSURE ELECTROLYSER  
(51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
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STRAUB, Jochen  
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CO. KG  
(11) AU-A-2023235262  
(21) 2023235262 (22) 05.01.2023  
(54) INTERMEDIATE GAS STORE, ELEC-  
TROLYSIS SYSTEM, AND METHOD  
FOR PROTON EXCHANGE ELEC-  
TROLYSIS  
(51) Int. Cl.



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**(72)** BRAUN, Stefan; HANNEMANN, Frank;  
 VOLKMANN, Andreas  
**(74)** Spruson & Ferguson

**(71)** SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY S.L.  
**(11)** AU-A-2023250105  
**(21)** 2023250105 **(22)** 03.04.2023  
**(54)** METHOD FOR OPERATING A WIND TURBINE AND SYSTEM FOR WIND POWER GENERATION  
**(51)** Int. Cl.  
**F03D 7/02** ( 2006.01 )  
**F03D 7/04** ( 2006.01 )  
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**(31)** 22382338.6 **(32)** 07.04.22 **(33)** EP  
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**(72)** FERNANDEZ ROMERO, Ignacio; MEINICKE, Alexander; CAMPION MEZQUIRIZ, Alvaro  
**(74)** Spruson & Ferguson

**(71)** SIEMENS HEALTHCARE DIAGNOSTICS INC.  
**(11)** AU-A-2023258028  
**(21)** 2023258028 **(22)** 19.04.2023  
**(54)** BIOMARKERS FOR IDIOPATHIC PULMONARY FIBROSIS AND METHODS OF PRODUCING AND USING SAME  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**C12Q 1/6883** ( 2018.01 )  
**(87)** WO2023/205712  
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**(74)** Spruson & Ferguson

**(71)** SIEONE OÜ  
**(11)** AU-A-2022440897  
**(21)** 2022440897 **(22)** 16.02.2022  
**(54)** A CURTAIN WIRE FASTENING SYSTEM ONTO A WINDOW FRAME  
**(51)** Int. Cl.  
**A47H 1/18** ( 2006.01 )  
**A47H 1/19** ( 2006.01 )  
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**(72)** ULJAS, Ulvar  
**(74)** James & Wells Intellectual Property

**(71)** SILICON QUANTUM COMPUTING PTY LIMITED  
**(11)** AU-A-2023234191  
**(21)** 2023234191 **(22)** 14.03.2023  
**(54)** ENGINEERED QUANTUM PROCESSING ELEMENTS  
**(51)** Int. Cl.  
**G06N 10/40** ( 2022.01 )  
**B82B 1/00** ( 2006.01 )

**B82B 3/00** ( 2006.01 )  
**B82Y 10/00** ( 2011.01 )  
**H01L 21/70** ( 2006.01 )  
**H01L 33/04** ( 2010.01 )  
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**(72)** KRANZ, Ludwik; SIMMONS, Michelle Yvonne; RAHMAN, Rajib; MACHA, Pascal; JONES, Michael  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** SKYSAILS POWER GMBH  
**(11)** AU-A-2023224320  
**(21)** 2023224320 **(22)** 21.02.2023  
**(54)** KITE SYSTEM  
**(51)** Int. Cl.  
**B63H 8/18** ( 2020.01 )  
**B63H 9/072** ( 2020.01 )  
**(87)** WO2023/161215  
**(31)** 22159174.6 **(32)** 28.02.22 **(33)** EP  
**(43)** 31.08.2023  
**(72)** ALVES, Benjamin  
**(74)** Griffith Hack

**(71)** SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
**(11)** AU-A-2023259598  
**(21)** 2023259598 **(22)** 27.04.2023  
**(54)** METHODS OF DETERMINING A HEALTH STATUS OF A DOG BASED ON ONE OR MORE BIOMARKERS, AND METHODS OF TREATING A MORTALITY RISK IDENTIFIED BY THE HEALTH STATUS  
**(51)** Int. Cl.  
**G01N 33/569** ( 2006.01 )  
**C12Q 1/42** ( 2006.01 )  
**C12Q 1/50** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**G01N 33/573** ( 2006.01 )  
**G01N 33/66** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**G01N 33/80** ( 2006.01 )  
**G01N 33/84** ( 2006.01 )

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**(31)** 63/363,754 **(32)** 28.04.22 **(33)** US  
 63/408,560 21.09.22 US  
**(43)** 02.11.2023  
**(72)** HERZIG, Sébastien; GUT, Philipp; TEXARI, Lorane; STEINER, Pascal; PAN, Yuanlong  
**(74)** Spruson & Ferguson

**(71)** SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
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**(21)** 2023260645 **(22)** 27.04.2023  
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**(51)** Int. Cl.  
**G01N 33/569** ( 2006.01 )  
**C12Q 1/42** ( 2006.01 )  
**C12Q 1/50** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )

**G01N 33/573** ( 2006.01 )  
**G01N 33/66** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**G01N 33/80** ( 2006.01 )  
**G01N 33/84** ( 2006.01 )  
**(87)** WO2023/209061  
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**(43)** 02.11.2023  
**(72)** HERZIG, Sébastien; GUT, Philipp; TEXARI, Lorane; STEINER, Pascal; PAN, Yuanlong  
**(74)** Spruson & Ferguson

**(71)** SOCIETE DES PRODUITS NESTLE SA  
**(11)** AU-A-2023251250  
**(21)** 2023251250 **(22)** 14.03.2023  
**(54)** LIQUID ANIMAL DIGESTS INCLUDING DAIRY FAT  
**(51)** Int. Cl.  
**A23K 10/20** ( 2016.01 )  
**A23K 20/158** ( 2016.01 )  
**A23K 40/30** ( 2016.01 )  
**A23K 50/42** ( 2016.01 )  
**(87)** WO2023/194823  
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**(43)** 12.10.2023  
**(72)** ASHIE, Isaac; YU, Haiqing Nancy; VANACKER, Pascal  
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**(54)** CARBONATION MACHINE WITH INTEGRATED WATER TREATMENT AND DETACHABLE WATER RESERVOIR  
**(51)** Int. Cl.  
**B01F 23/236** ( 2022.01 )  
**A23L 2/54** ( 2006.01 )  
**B01D 35/00** ( 2006.01 )  
**B01F 23/231** ( 2022.01 )  
**B01F 23/2361** ( 2022.01 )  
**B01F 23/237** ( 2022.01 )  
**B01F 35/71** ( 2022.01 )  
**B67D 1/04** ( 2006.01 )  
**C02F 9/20** ( 2023.01 )  
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**(72)** WAISMAN, Alon; GUR, Vladislav; COHEN, Avi; RING, Allan  
**(74)** James & Wells Intellectual Property

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**(11)** AU-A-2023263246  
**(21)** 2023263246 **(22)** 21.04.2023  
**(54)** METHODS FOR SAMPLE QUALITY ASSESSMENT  
**(51)** Int. Cl.  
**G01N 33/96** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
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**(72)** ASTLING, David; WESTACOTT, Matthew; DROLET, Daniel  
**(74)** Davies Collison Cave Pty Ltd

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 (54) APPARATUS AND METHOD FOR SOLAR ENERGY COLLECTOR  
 (51) Int. Cl.  
*H02S 30/20* ( 2014.01 )  
*H02S 10/40* ( 2014.01 )  
*H02S 20/00* ( 2014.01 )  
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 (72) SPONSLER, Joseph  
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 (54) A SYSTEM AND METHOD FOR MAINTAINING A COMPREHENSIVE CATALOG OF HIERARCHICAL FILE DATA  
 (51) Int. Cl.  
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*A23J 3/14* ( 2006.01 )  
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 (72) ELLIS, Cheryl, Mitchell  
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 (51) Int. Cl.  
*A61M 1/00* ( 2006.01 )  
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 (54) HYBRID MUSHROOM STRAIN B19414 AND METHODS AND USES THEREFOR  
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*A01H 15/00* ( 2006.01 )  
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*C12N 1/14* ( 2006.01 )  
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 (54) METHOD OF PREPARING MARIBAVIR  
 (51) Int. Cl.  
*A61K 31/4184* ( 2006.01 )  
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*A61P 31/22* ( 2006.01 )  
*C07H 19/052* ( 2006.01 )  
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*G06N 5/02* ( 2023.01 )  
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 (54) ROAD QUALITY MONITORING  
 (51) Int. Cl.  
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*G01M 17/04* ( 2006.01 )  
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*A61K 45/00* ( 2006.01 )  
*A61P 3/02* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
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*A61P 25/16* ( 2006.01 )  
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**(54)** A RADIATION PROTECTION SHIELD-  
 ING SYSTEM AND A METHOD FOR  
 COVERING A PATIENT  
**(51)** Int. Cl.  
**A61B 6/10** ( 2006.01 )  
**A61B 46/00** ( 2016.01 )  
**G21F 3/00** ( 2006.01 )  
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**(72)** GELLERSTEDT, Fredrik; APELL, Petra;  
 ANGERÅS, Oskar; RAMUNDDAL,  
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- (71)** THE BRIGHAM AND WOMEN'S HOS-  
 PITAL, INC.  
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**(54)** HUMANIZED AND AFFINITY-MA-  
 TURED ANTI-CEACAM1 ANTIBODIES  
 AND METHODS OF USE  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(72)** BLUMBERG, Richard S.; HUANG,  
 Yu-Hwa; GANDHI, Amit; HOLLGATE,  
 Robert George Edward; HEARN, Arron  
 Robert; JONES, Susan Dana  
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 VERSITY OF ALBERTA  
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**(54)** HEPATITIS C VIRUS IMMUNOGENIC  
 COMPOSITIONS AND METHODS OF  
 USE THEREOF  
**(51)** Int. Cl.  
**A61K 39/29** ( 2006.01 )  
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- (71)** THERMAPET TECHNOLOGIES PTE.  
 LTD.  
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**(21)** 2023239738 (22) 08.03.2023  
**(54)** METHOD FOR PRODUCING THER-  
 MOFORMED PLASTICS PARTS  
 FROM POLYETHYLENE TEREPH-  
 THALATE  
**(51)** Int. Cl.  
**B29C 51/00** ( 2006.01 )  
**B29C 51/02** ( 2006.01 )
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 VERSITY OF PENNSYLVANIA  
**(11)** AU-A-2023227587  
**(21)** 2023227587 (22) 03.03.2023  
**(54)** VIRAL VECTORS ENCODING GLP-2  
 RECEPTOR AGONIST FUSIONS  
 AND USES THEREOF IN TREATING  
 SHORT BOWEL SYNDROME  
**(51)** Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**A61K 35/761** ( 2015.01 )  
**A61K 38/26** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
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**(72)** WILSON, James, M.; HINDERER,  
 Christian; HORIUCHI, Makoto  
**(74)** WRAYS PTY LTD
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 VERSITY OF PENNSYLVANIA  
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**(54)** AAV VECTORS FOR DELIVERY OF  
 GLP-1 RECEPTOR AGONIST FU-  
 SIONS  
**(51)** Int. Cl.  
**A61K 38/26** ( 2006.01 )  
**C07K 14/605** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**A61K 35/761** ( 2015.01 )  
**A61K 48/00** ( 2006.01 )  
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**C12P 21/02** ( 2006.01 )  
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 Christian; HORIUCHI, Makoto  
**(74)** WRAYS PTY LTD
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- (71)** THE TRUSTEES OF THE UNI-  
 VERSITY OF PENNSYLVANIA;  
 SCOUT BIO, INC.  
**(11)** AU-A-2023228669  
**(21)** 2023228669 (22) 01.03.2023  
**(54)** VIRAL VECTOR GENOME ENCODING  
 AN INSULIN FUSION PROTEIN  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61K 35/761** ( 2015.01 )  
**A61K 38/28** ( 2006.01 )
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 VERSITY OF PENNSYLVANIA  
**(11)** AU-A-2023228691  
**(21)** 2023228691 (22) 03.03.2023  
**(54)** VIRAL VECTORS ENCODING PARA-  
 THYROID HORMONE FUSIONS AND  
 USES THEREOF IN TREATING HY-  
 POPARATHYROIDISM  
**(51)** Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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**(43)** 07.09.2023  
**(72)** WILSON, James, M.; HINDERER,  
 Christian; HORIUCHI, Makoto  
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 AS REPRESENTED BY THE SECRET-  
 ARY, DEPARTMENT OF HEALTH AND  
 HUMAN SERVICES  
**(11)** AU-A-2023219176  
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**(54)** HUMAN MONOCLONAL ANTI-  
 BODIES THAT BROADLY TARGET  
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**(51)** Int. Cl.  
**C07K 16/10** ( 2006.01 )  
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 COLUMBIA  
**(11)** AU-A-2023272767  
**(21)** 2023272767 (22) 16.05.2023  
**(54)** MICROWAVE ACTIVATION OF MIN-  
 ERALS FOR CARBON SEQUESTRA-  
 TION  
**(51)** Int. Cl.  
**B01J 19/12** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
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 (21) 2023318863 (22) 22.02.2023  
 (54) SOLAR CELL AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
 H01L 31/0224 (2006.01)  
 H01L 31/0747 (2012.01)  
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 (31) 202210932624.1 (32) 04.08.22 (33) CN  
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 (54) SOLAR CELL AND PREPARATION METHOD, AND POWER GENERATION DEVICE  
 (51) Int. Cl.  
 H01L 31/0747 (2012.01)  
 H01L 31/0224 (2006.01)  
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 (74) James & Wells Intellectual Property
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 (11) AU-A-2023241085  
 (21) 2023241085 (22) 07.03.2023  
 (54) DEVICE AND METHOD FOR PRODUCING A CAN LID  
 (51) Int. Cl.  
 B29C 65/46 (2006.01)  
 B29C 65/18 (2006.01)  
 B29C 65/26 (2006.01)  
 B29C 65/72 (2006.01)  
 B65D 17/00 (2006.01)  
 B29K 705/00 (2006.01)  
 B29K 705/02 (2006.01)  
 B29K 705/06 (2006.01)  
 B29L 31/56 (2006.01)  
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 (74) IP SOLVED (ANZ) PTY. LTD.
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 (21) 2023239123 (22) 10.03.2023  
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 (51) Int. Cl.  
 C25B 13/08 (2006.01)  
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 C25B 1/04 (2021.01)  
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 H01M 8/1039 (2016.01)  
 H01M 8/1046 (2016.01)  
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 (11) AU-A-2023230965  
 (21) 2023230965 (22) 09.03.2023  
 (54) DIRECT MATERIAL TRANSFER BETWEEN MODULAR ROBOTIC SYSTEMS  
 (51) Int. Cl.  
 B25J 9/08 (2006.01)  
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 (11) AU-A-2023233811  
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 (54) COMPOSITIONS HAVING IMPROVED BIOAVAILABILITY OF THERAPEUTICS AND USES THEREOF  
 (51) Int. Cl.  
 A61K 9/00 (2006.01)  
 A61K 9/107 (2006.01)  
 A61K 9/14 (2006.01)  
 A61K 9/51 (2006.01)  
 A61K 31/00 (2006.01)  
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 A61K 31/4184 (2006.01)  
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 (72) GOODING, Daniel; BREW, John; BAN-NISTER, Robin M.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2023242705 (22) 29.03.2023  
 (54) ASSAY FOR LONG FORMS OF CARDIAC TROPONIN T  
 (51) Int. Cl.  
 G01N 33/68 (2006.01)  
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 (31) 20225269 (32) 29.03.22 (33) FI  
 (43) 05.10.2023  
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 (74) Michael Buck IP
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- (71) UNITED THERAPEUTICS CORPORATION  
 (11) AU-A-2023236147  
 (21) 2023236147 (22) 17.03.2023  
 (54) RALINEPAG PRODRUGS AND USES THEREOF  
 (51) Int. Cl.  
 C07C 271/28 (2006.01)  
 A61K 31/325 (2006.01)  
 A61K 31/357 (2006.01)  
 A61K 31/445 (2006.01)  
 A61K 31/5375 (2006.01)  
 A61P 9/12 (2006.01)  
 C07C 311/51 (2006.01)  
 C07D 211/58 (2006.01)  
 C07D 295/185 (2006.01)  
 C07D 317/40 (2006.01)  
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 A61K 35/74 (2015.01)  
 A61K 39/02 (2006.01)  
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     **C08G 77/20** ( 2006.01 )  
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**C10J 3/72** ( 2006.01 )  
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**B60C 23/04** ( 2006.01 )  
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A47B 43/00 ( 2006.01 )  
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| 2023215983 | APEX DYNAMICS, SIA  | 2023224893 | NUOVO PIGNONE TECNOLOGIE - S.R.L.  |
| 2023216037 | CLEAN EATS & CO PTE. LTD.   | 2023225520 | AREPA IP LIMITED   |
| 2023216111 | INSPIRE MEDICAL SYSTEMS, INC.   | 2023225602 | ADVANSIX RESINS & CHEMICALS LLC  |
| 2023216128 | BAUDISCH, P.  | 2023225614 | LARGO CLEAN ENERGY CORP.   |
| 2023216406 | MERCK PATENT GMBH   | 2023225697 | VIASAT, INC.   |
| 2023216459 | SHPB LTD  | 2023225907 | LHOTSE BIO, INC.   |
| 2023216471 | ALL.SPACE NETWORKS LIMITED  | 2023226845 | PROMETHEON TECHNOLOGIES BV   |
| 2023216977 | WILDFIRE TECHNOLOGIES PTY LTD   | 2023226848 | SALTO SYSTEMS, S.L.  |
| 2023216982 | LORINTECH TECNOLOGIA S.A.   | 2023226850 | LUMIPROLINE FINLAND OY   |
| 2023217330 | ANCESTRY.COM OPERATIONS INC.  | 2023226873 | KNDS FRANCE  |
|            |   | 2023226896 | KINKI UNIVERSITY   |
|            |   | 2023226930 | ESSECO S.R.L.  |



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| 2023226950 | GRAVITY ENERGY PTY LTD  | 2023228993 | MAANSHAN IRON & STEEL CO., LTD  |
| 2023227026 | BEIJING WEHAND-BIO PHARMACEUTICAL CO., LTD; GUANGXI WEHAND-BIO PHARMACEUTICAL CO., LTD  | 2023229037 | CARDIOMECH AS   |
| 2023227201 | INSIGHT DIRECT USA, INC.  | 2023229047 | NUOVO PIGNONE TECNOLOGIE - S.R.L.   |
| 2023227272 | JOYOUNG COMPANY LIMITED   | 2023229181 | OHLIG, A.; OHLIG, D.  |
| 2023227283 | HAINAN SIMCERE PHARMACEUTICAL CO., LTD.   | 2023229205 | BOSONIC AG  |
| 2023227304 | FRANZIUS, C.; DUVENECK, A.L.  | 2023229213 | REVASCARDIO LTD.  |
| 2023227306 | Baker Hughes Energy Technology UK Limited   | 2023229218 | BFKW, LLC   |
| 2023227377 | METALOGENIA RESEARCH & TECHNOLOGIES S.L.  | 2023229276 | FLEXIBLE STEEL LACING COMPANY   |
| 2023227402 | CARDIOMECH AS   | 2023229357 | DIFFERENTIAL ENGINEERING INC.   |
| 2023227403 | CARDIOMECH AS   | 2023229364 | EPICRISPR BIOTECHNOLOGIES, INC.   |
| 2023227422 | SERAC HEALTHCARE LTD  | 2023229369 | ARCHER DANIELS MIDLAND COMPANY  |
| 2023227427 | NOVARTIS AG   | 2023229398 | ZINUS INC.  |
| 2023227455 | ADAMA MAKHTESHIM LTD.   | 2023229697 | VAXCELL-BIO CO., LTD.   |
| 2023227469 | CHEVRON U.S.A. INC.   | 2023229706 | UNIVERSITY OF TASMANIA  |
| 2023227477 | BRIACELL THERAPEUTICS CORP.   | 2023229708 | POLYGENRX PTY LTD   |
| 2023227483 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY   | 2023229896 | NYXOAH SA   |
| 2023227515 | ELC MANAGEMENT LLC  | 2023229974 | CHRYSO  |
| 2023227519 | SCHLUMBERGER TECHNOLOGY B.V.  | 2023230088 | LIVA POWER MANAGEMENT SYSTEMS GMBH  |
| 2023227530 | LENTIGEN TECHNOLOGY, INC.   | 2023230130 | EXPOSOME PVT. LTD.  |
| 2023227534 | LYTEN, INC.   | 2023230174 | INFINIRI AG   |
| 2023227581 | BAKER HUGHES OILFIELD OPERATIONS LLC  | 2023230580 | JFE STEEL CORPORATION   |
| 2023227587 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 2023230610 | OSAKA UNIVERSITY  |
| 2023227791 | CHEVRON U.S.A. INC.   | 2023230759 | LANTECH.COM, LLC  |
| 2023227808 | WAVE LIFE SCIENCES LTD.   | 2023230770 | IPG PHOTONICS CORPORATION   |
| 2023227817 | BAKER HUGHES OILFIELD OPERATIONS LLC  | 2023230778 | QUIDIANT, LLC   |
| 2023227819 | INTERNATIONAL FLAVORS & FRAGRANCES INC.   | 2023230784 | PTC INNOVATIONS, LLC  |
| 2023227871 | ADARX PHARMACEUTICALS, INC.   | 2023230874 | KIORA PHARMACEUTICALS GMBH  |
| 2023227877 | THE BRIGHAM AND WOMEN'S HOSPITAL, INC.  | 2023230888 | WATCHMAKER GENOMICS, INC.   |
| 2023227894 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 2023230959 | PRO-DEX, INC.   |
| 2023227961 | CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.   | 2023230965 | TRILOBIO, INC.  |
| 2023227964 | ARCUS BIOSCIENCES, INC.; WUXI BIOLOGICS IRELAND LIMITED   | 2023230975 | EYEPOINT PHARMACEUTICALS, INC.  |
| 2023228029 | JSC YUKON ADVANCED OPTICS WORLDWIDE   | 2023230976 | EYEPOINT PHARMACEUTICALS, INC.  |
| 2023228072 | KOKUNET TEKNOLOJI ANONIM ŞİRKETİ  | 2023231024 | COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION                            |
| 2023228084 | VOLUTION VENTILATION GROUP LIMITED  | 2023231093 | BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.                         |
| 2023228221 | HUAWEI TECHNOLOGIES CO., LTD.   | 2023231123 | BECTON, DICKINSON AND COMPANY   |
| 2023228330 | BIOMUNEX PHARMACEUTICALS; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); UNIVERSITE DE MONTPELLIER; INSTITUT RÉGIONAL DU CANCER DE MONTPELLIER | 2023231133 | STEUBEN FOODS, INC.   |
| 2023228354 | CARDIOMECH AS   | 2023231283 | PRO-DEX, INC.   |
| 2023228374 | CAMBRIDGE ENTERPRISE LIMITED; RIGSHOSPITALET; SYDDANSK UNIVERSITET  | 2023231419 | BASF SE; DE LA RUE INTERNATIONAL LIMITED  |
| 2023228391 | PFIZER INC.   | 2023231511 | BAYER CROPSCIENCE LP; COLORADO STATE UNIVERSITY RESEARCH FOUNDATION (CSURF)             |
| 2023228561 | CNX RESOURCES CORPORATION   | 2023231589 | CONN-WELD INDUSTRIES, LLC   |
| 2023228598 | BEDGEAR LLC   | 2023231609 | CATERPILLAR INC.  |
| 2023228639 | CATERPILLAR INC.  | 2023231617 | DOLBY LABORATORIES LICENSING CORPORATION; DOLBY INTERNATIONAL AB                        |
| 2023228646 | KIORA PHARMACEUTICALS GMBH  | 2023231853 | JFE STEEL CORPORATION   |
| 2023228668 | SCOUT BIO, INC.   | 2023231903 | TEIJIN PHARMA LIMITED   |
| 2023228669 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA; SCOUT BIO, INC.   | 2023232012 | MID-AMERICA MACHINING, INC.   |
| 2023228676 | DUKE UNIVERSITY   | 2023232029 | GRACO MINNESOTA INC.  |
| 2023228683 | IMMUNITYBIO, INC.   | 2023232083 | NKARTA, INC.; CRISPR THERAPEUTICS AG  |
| 2023228691 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  | 2023232168 | CITY OF HOPE  |
| 2023228701 | MARSIX SOLUTIONS LTD.   | 2023232217 | SHANGHAI LONGVAULT ENERGY TECHNOLOGY CO., LTD.  |
| 2023228786 | J. VAN DAM ONROEREND GOED B.V.  | 2023232301 | LEDAFLOW TECHNOLOGIES DA  |
| 2023228801 | SPONSLER, J.  | 2023232350 | HUAWEI TECHNOLOGIES CO., LTD.   |
| 2023228835 | KELLOGG BROWN & ROOT LLC  | 2023232499 | ASAHI GROUP HOLDINGS, LTD.  |
| 2023228840 | MDS II LLC  | 2023232597 | HYSENSBIO CO., LTD  |
| 2023228860 | CATALOG TECHNOLOGIES, INC.  | 2023232642 | ICOAT MEDICAL AB  |
| 2023228912 | YALE UNIVERSITY; GENNAO BIO, INC.   | 2023232693 | CONNEXT CO.,LTD.  |
|            |   | 2023232739 | CATERPILLAR INC.  |
|            |   | 2023232772 | FMC CORPORATION; FMC IP TECHNOLOGY GMBH   |
|            |   | 2023232833 | UNIVERSITY OF TASMANIA  |
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| 2023233763 | NEW YORK UNIVERSITY  | 2023242955 | CARBON BLUE LTD.  |
| 2023233811 | TRX BIOSCIENCES LIMITED  | 2023243205 | 10X GENOMICS, INC.  |
| 2023233813 | CHARITÉ - UNIVERSITÄTSMEDIZIN BERLIN   | 2023243218 | PURETECH LYT 100, INC.  |
| 2023233844 | FMC AGRICULTURAL SOLUTIONS A/S   | 2023243318 | ICU MEDICAL, INC.   |
| 2023233890 | BAE SYSTEMS PLC  | 2023243456 | ELANCO US INC.  |
| 2023233903 | YOKOHAMA TWS SOCIETA' PER AZIONI   | 2023244363 | RECLUDIX PHARMA, INC.   |
| 2023234015 | DONOVAN GROUP HOLDINGS LIMITED   | 2023245183 | LANDIS+GYR TECHNOLOGY, INC.   |
| 2023234191 | SILICON QUANTUM COMPUTING PTY LIMITED  | 2023245795 | OPTIVOLT LABS, INC.   |
| 2023234278 | CESIUM HOLDING AB  | 2023245851 | MINITUBISHI MATERIALS CORPORATION                                     |
| 2023234294 | CHEVRON U.S.A. INC.; TRIAD NATIONAL SECURITY, LLC  | 2023246216 | EISAI R&D MANAGEMENT CO., LTD.  |
| 2023234337 | BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.  | 2023246580 | IFP ENERGIES NOUVELLES  |
| 2023234355 | REGENERON PHARMACEUTICALS, INC.; BAYER HEALTHCARE LLC  | 2023246874 | DE FAIRE MEDICAL AB   |
| 2023234435 | CATALOG TECHNOLOGIES, INC.   | 2023247150 | HUAWEI TECHNOLOGIES CO., LTD.   |
| 2023234460 | BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA  | 2023247842 | THE GOVERNORS OF THE UNIVERSITY OF ALBERTA                            |
| 2023234504 | MALINA - SAFETY S.R.O.   | 2023247940 | HUAWEI TECHNOLOGIES CO., LTD.   |
| 2023234594 | SEAGEN INC.  | 2023248256 | CHONG KUN DANG PHARMACEUTICAL CORP.                                   |
| 2023234596 | MARINUS PHARMACEUTICALS, INC.  | 2023248698 | GENFIT  |
| 2023234613 | INTERDIGITAL CE PATENT HOLDINGS, SAS   | 2023248708 | WIREFAS OY  |
| 2023235049 | CLARK, B.E.  | 2023248786 | KOBAYASHI PHARMACEUTICAL CO., LTD.; DKS CO. LTD.                      |
| 2023235062 | UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.  | 2023249151 | UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.                       |
| 2023235189 | ANXO PHARMACEUTICAL CO., LTD.  | 2023249226 | SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD |
| 2023235200 | BAYLOR COLLEGE OF MEDICINE   | 2023249358 | MATIV LUXEMBOURG; LMS TECHNOLOGIES, INC.                              |
| 2023235262 | SIEMENS ENERGY GLOBAL GMBH & CO. KG  | 2023249363 | MATIV LUXEMBOURG; LMS TECHNOLOGIES, INC.                              |
| 2023235374 | NEW YORK UNIVERSITY  | 2023249516 | ELI LILLY AND COMPANY   |
| 2023235423 | ELECTROLUX PROFESSIONAL AB   | 2023249537 | NESTE OYJ   |
| 2023235439 | QURIENT CO., LTD.; LEAD DISCOVERY CENTER GMBH  | 2023249636 | AMGEN INC.  |
| 2023235493 | ASTRAZENECA IRELAND LIMITED  | 2023250105 | SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY S.L.          |
| 2023235640 | MITSUBISHI HEAVY INDUSTRIES, LTD.  | 2023250790 | SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD |
| 2023235899 | CAPITAL ONE SERVICES, LLC.   | 2023250824 | AMGEN INC.  |
| 2023235986 | HUAWEI TECHNOLOGIES CO., LTD.  | 2023251006 | MATIV LUXEMBOURG; LMS TECHNOLOGIES, INC.                              |
| 2023236126 | REGENERON PHARMACEUTICALS, INC.  | 2023251250 | SOCIETE DES PRODUITS NESTLE SA  |
| 2023236138 | STRYKER CORPORATION  | 2023251594 | JOHN MEZZALINGUA ASSOCIATES, LLC                                      |
| 2023236147 | UNITED THERAPEUTICS CORPORATION  | 2023252047 | DUBAI ALUMINIUM PJSC  |
| 2023236288 | NEW YORK GENOME CENTER, INC.; NEW YORK UNIVERSITY  | 2023252051 | NOVARTIS AG   |
| 2023236857 | SODASTREAM INDUSTRIES LTD.   | 2023252705 | BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG                                      |
| 2023237818 | CAPSIDA, INC.; WHEELER, B.G.; SHI, X.; GOEDEN, N.S.; FLYTZANIS, N.C.; SANDBERG, T.E.                               | 2023253078 | CASALE SA   |
| 2023238144 | ATDBIO LIMITED   | 2023253580 | LANDIS+GYR TECHNOLOGY, INC.   |
| 2023238789 | AMADEUS S.A.S.   | 2023254100 | CARIBOU BIOSCIENCES, INC.   |
| 2023238881 | REOHR, W.R.  | 2023254798 | DICERNA PHARMACEUTICALS, INC.   |
| 2023238922 | BAE SYSTEMS PLC  | 2023255346 | WEATHERFORD TECHNOLOGY HOLDINGS, LLC                                  |
| 2023239056 | HOLCIM TECHNOLOGY LTD  | 2023256638 | SWIMC LLC   |
| 2023239123 | TORAY INDUSTRIES, INC.   | 2023257643 | ALCON INC.  |
| 2023239138 | CAPSIDA, INC.; WHEELER, B.G.; SHI, X.; GOEDEN, N.S.; FLYTZANIS, N.C.; SANDBERG, T.E.                               | 2023258028 | SIEMENS HEALTHCARE DIAGNOSTICS INC.                                   |
| 2023239149 | BIOO SCIENTIFIC CORPORATION  | 2023258800 | EISAI R&D MANAGEMENT CO., LTD.  |
| 2023239678 | AG PLENUS LTD  | 2023259598 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                      |
| 2023239738 | THERMAPET TECHNOLOGIES PTE. LTD.   | 2023259634 | ALLOGENE THERAPEUTICS INC.  |
| 2023239982 | PRIMELINK BIOTHERAPEUTICS (SHENZHEN) CO., LTD  | 2023260645 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                      |
| 2023240228 | SYLVAN INC.; SYLVAN AMERICA, INC.  | 2023261942 | GREENSTONE BIOSCIENCES, INC.  |
| 2023240346 | GILEAD SCIENCES, INC.  | 2023263246 | SOMALOGIC OPERATING CO., INC.   |
| 2023240941 | SHANGHAI HENLIUS BIOTECH, INC.; SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD.; SHANGHAI HENLIUS BIOLOGICS CO., LTD. | 2023263265 | AMGEN INC.  |
| 2023240976 | FMC CORPORATION  | 2023264499 | AI21 LABS   |
| 2023241085 | TOP CAP HOLDING GMBH   | 2023266100 | IONESCU, A.   |
| 2023241162 | EPICRISPR BIOTECHNOLOGIES, INC.  | 2023266514 | ELECTROLUX APPLIANCES AKTIEBOLAG                                      |
| 2023241710 | GOOGLE LLC   | 2023266953 | CRRC QIQIHAR ROLLING STOCK CO., LTD.                                  |
| 2023242296 | HOSPITAL SANT JOAN DE DEU; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LIMITED; GATE2BRAIN, S.L.                  | 2023267071 | QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.                        |
|            |  | 2023267825 | QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.                        |
|            |  | 2023268579 | F. HOFFMANN-LA ROCHE AG   |
|            |  | 2023272767 | THE UNIVERSITY OF BRITISH COLUMBIA                                    |
|            |  | 2023274641 | REGENECORE BIOTECH CO., LTD   |
|            |  | 2023276739 | PIONEER HI-BRED INTERNATIONAL, INC.                                   |
|            |  | 2023280603 | ENEOS CORPORATION   |
|            |  | 2023281492 | TONGWEI SOLAR (JINTANG) CO., LTD.                                     |

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**2023318863** TONGWEI SOLAR (HEFEI) CO., LTD.  
**2023326196** EIG SERVICES, INC.  
**2023354470** LG ELECTRONICS INC.  
**2023361470** TAKEDA PHARMACEUTICAL COMPANY LIMITED  
**2023382017** HYDROMET WA PTY LIMITED; MALACHITE PRO-  
CESS CONSULTING PTY LTD  
**2023387750** NANJING HYDRAULIC RESEARCH INSTITUTE  
**2023388729** YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD.  
**2023391650** LG ELECTRONICS INC.

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| 2023233844               | <b><u>A47C 31 /-</u></b> | 2023229205               | 2023221419                | 2023232597               | 2023228691               |
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| 2023232772               | 2023228598               | 2023230959               | 2023221972                | 2023233811               | 2023214599               |
| 2023233844               | <b><u>A47F 10 /-</u></b> | 2023231283               | 2023222567                | 2023234355               | 2023216406               |
| <b><u>A01P 7 /-</u></b>  | 2023216037               | 2023232834               | 2023224042                | 2023235493               | 2023223808               |
| 2023232772               | <b><u>A47G 23 /-</u></b> | 2023233763               | 2023224515                | 2023237818               | 2023227422               |
| 2023233844               | 2023216037               | 2023235374               | 2023225520                | 2023239138               | 2023230610               |
| <b><u>A01P 7 /-</u></b>  | <b><u>A47G 23 /-</u></b> | <b><u>A61B 6 /-</u></b>  | 2023225907                | <b><u>A61K 39 /-</u></b> | 2023388729               |
| 2023232772               | 2023216037               | 2023221739               | 2023227871                | 2022446336               | <b><u>A61K 8 /-</u></b>  |
| 2023240976               | <b><u>A47H 1 /-</u></b>  | 2023223957               | 2023228646                | 2023221516               | 2023227515               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023229957               | 2023228915                | 2023222230               | <b><u>A61K 9 /-</u></b>  |
|                          | <b><u>A47H 1 /-</u></b>  | 2023230784               | 2023230784                | 2023227477               | 2022443185               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023230874               | 2023230874                | 2023227530               | 2023215253               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023230976               | 2023230976                | 2023227877               | 2023215840               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023231903               | 2023231903                | 2023227964               | 2023221950               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023233811               | 2023233811                | 2023227964               | 2023221972               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023233813               | 2023233813                | 2023227964               | 2023222567               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023234596               | 2023234596                | 2023228330               | 2023221950               |
|                          | <b><u>A47H 1 /-</u></b>  | 2023235189               | 2023235189                | 2023228374               | 2023221972               |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023228912               | 2023222567               |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023229697               | 2023224042               |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023232083               | 2023224515               |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023235062               | 2023230975               |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023235200               |                          |
|                          | <b><u>A47H 1 /-</u></b>  |                          |                           | 2023236126               |                          |

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|                          |                          |                          |                          |                           |                           |
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| 2023230976               | <b><u>A61P 13 /-</u></b> | 2023227283               | <b><u>A63B 53 /-</u></b> | <b><u>B01F 35 /-</u></b>  | <b><u>B09B 3 /-</u></b>   |
| 2023233503               |                          | 2023227477               |                          |                           |                           |
| 2023233561               | 2023246874               | 2023227964               | 2023219112               | 2023236857                | 2023216977                |
| 2023233811               |                          | 2023228330               |                          |                           | 2023252047                |
| 2023235189               | <b><u>A61P 15 /-</u></b> | 2023228374               | <b><u>A63B 59 /-</u></b> | <b><u>B01J 19 /-</u></b>  | <b><u>B23K 26 /-</u></b>  |
| 2023243456               |                          | 2023228683               |                          |                           |                           |
| 2023246874               | 2023227026               | 2023228912               | 2023219112               | 2023227791                | 2023230770                |
| 2023268579               |                          | 2023229697               | <b><u>A63B 60 /-</u></b> | 2023272767                |                           |
|                          | <b><u>A61P 19 /-</u></b> | 2023232083               |                          |                           |                           |
| <b><u>A61L 2 /-</u></b>  |                          | 2023232168               | 2023219112               | <b><u>B01J 20 /-</u></b>  | <b><u>B25B 23 /-</u></b>  |
|                          | 2023231903               | 2023234594               |                          |                           |                           |
| 2022445499               |                          | 2023235439               | <b><u>A63B 69 /-</u></b> | 2023272767                | 2023229205                |
| 2023223873               | <b><u>A61P 21 /-</u></b> | 2023236126               |                          |                           | 2023230959                |
| 2023228701               |                          | 2023240346               | 2023215794               | <b><u>B01J 23 /-</u></b>  |                           |
|                          | 2023227808               | 2023240941               |                          |                           | <b><u>B25G 1 /-</u></b>   |
| <b><u>A61L 9 /-</u></b>  | <b><u>A61P 25 /-</u></b> | 2023242296               | <b><u>A63D 1 /-</u></b>  | 2023210689                |                           |
|                          |                          | 2023244363               |                          | 2023227469                | 2023219112                |
| 2023228072               | 2023224515               | 2023246216               | 2023215794               | <b><u>B01J 35 /-</u></b>  | <b><u>B25H 3 /-</u></b>   |
|                          | 2023225520               | 2023246874               |                          |                           |                           |
| <b><u>A61M 1 /-</u></b>  | 2023228915               | 2023248256               | <b><u>A63F 13 /-</u></b> | 2023210689                | 2023221866                |
|                          | 2023231903               | 2023249636               |                          | 2023227469                |                           |
| 2023236138               | 2023234596               | 2023252051               | 2022457138               | <b><u>B01J 37 /-</u></b>  | <b><u>B25J 9 /-</u></b>   |
| 2023243318               | 2023235189               | 2023268579               | 2023234613               |                           |                           |
|                          | 2023248256               | 2023388729               | <b><u>B01D 17 /-</u></b> | 2023210689                | 2023230965                |
| <b><u>A61M 16 /-</u></b> | 2023258800               |                          |                          |                           | 2023241710                |
|                          |                          | <b><u>A61P 37 /-</u></b> | 2023228561               | <b><u>B01J 8 /-</u></b>   | <b><u>B29C 35 /-</u></b>  |
| 2023217334               | <b><u>A61P 27 /-</u></b> |                          |                          |                           |                           |
|                          |                          | 2022446336               | <b><u>B01D 21 /-</u></b> | 2022442755                | 2023239738                |
| <b><u>A61M 25 /-</u></b> | 2023215253               | 2023222230               |                          | 2023227791                |                           |
|                          | 2023221950               | 2023225907               | 2023228561               | <b><u>B03B 7 /-</u></b>   | <b><u>B29C 48 /-</u></b>  |
| 2023227403               | 2023230975               | 2023227283               |                          |                           |                           |
| 2023228354               | 2023230976               | 2023231903               | <b><u>B01D 29 /-</u></b> | 2023252047                | 2023229276                |
| 2023229037               | 2023233561               | 2023247842               |                          |                           |                           |
|                          | 2023234355               | 2023248256               | 2022446100               | <b><u>B05B 1 /-</u></b>   | <b><u>B29C 49 /-</u></b>  |
| <b><u>A61M 27 /-</u></b> |                          |                          |                          |                           |                           |
|                          | <b><u>A61P 29 /-</u></b> | <b><u>A61P 43 /-</u></b> | <b><u>B01D 35 /-</u></b> | 2023232029                | 2023239738                |
| 2023229213               |                          |                          |                          |                           |                           |
|                          | 2023224515               | 2023231903               | 2023236857               | <b><u>B05B 12 /-</u></b>  | <b><u>B29C 51 /-</u></b>  |
| <b><u>A61M 31 /-</u></b> | 2023228915               | 2023246216               | 2023391650               |                           |                           |
|                          | 2023244363               |                          | <b><u>B01D 39 /-</u></b> | 2023232029                | 2023239738                |
| 2023243456               | 2023248256               | <b><u>A61P 5 /-</u></b>  |                          |                           | <b><u>B29C 55 /-</u></b>  |
|                          |                          | 2023228668               | 2023249358               | <b><u>B05B 15 /-</u></b>  | 2023239738                |
| <b><u>A61M 39 /-</u></b> | <b><u>A61P 3 /-</u></b>  |                          | 2023249363               |                           |                           |
|                          |                          | <b><u>A61P 7 /-</u></b>  | 2023251006               | 2023232029                | <b><u>B29C 64 /-</u></b>  |
| 2023217334               | 2023222567               | 2023233813               | <b><u>B01D 46 /-</u></b> | <b><u>B05B 9 /-</u></b>   | 2023233890                |
|                          | 2023227894               |                          |                          |                           |                           |
| <b><u>A61M 5 /-</u></b>  | 2023228668               | <b><u>A61P 9 /-</u></b>  | 2023226850               | 2023232029                | <b><u>B29C 65 /-</u></b>  |
|                          | 2023231903               |                          |                          |                           |                           |
| 2023231123               | 2023246874               | 2023228915               | <b><u>B01D 53 /-</u></b> | <b><u>B05D 5 /-</u></b>   | 2023241085                |
| 2023243318               |                          | 2023231903               |                          |                           |                           |
| 2023250824               | <b><u>A61P 31 /-</u></b> | 2023236147               | 2023235640               | 2023256638                | <b><u>B29C 70 /-</u></b>  |
|                          |                          | 2023239138               | 2023242955               |                           |                           |
| <b><u>A61M 99 /-</u></b> | 2023235439               | 2023246874               | 2023272767               | <b><u>B05D 7 /-</u></b>   | 2023233890                |
|                          | 2023247842               | 2023261942               |                          |                           |                           |
| 2023243318               | 2023361470               |                          | <b><u>B01D 61 /-</u></b> | 2022458329                | <b><u>B29D 30 /-</u></b>  |
|                          |                          | <b><u>A61P 35 /-</u></b> |                          |                           |                           |
| 2023215256               |                          |                          | 2023222278               | <b><u>B06B 1 /-</u></b>   | 2023233903                |
| 2023216111               | 2022444380               | <b><u>A62B 18 /-</u></b> |                          |                           |                           |
| 2023218273               | 2022446336               |                          | <b><u>B01F 21 /-</u></b> | 2023231589                | <b><u>B29K 105 /-</u></b> |
|                          | 2022451503               | 2023234504               |                          |                           |                           |
| <b><u>A61P 1 /-</u></b>  | 2023214599               | <b><u>A62B 23 /-</u></b> | 2023229357               | <b><u>B08B 3 /-</u></b>   | 2023233890                |
|                          | 2023214795               |                          |                          |                           |                           |
| 2023215840               | 2023215340               | 2023234504               | <b><u>B01F 23 /-</u></b> | 2023217339                | <b><u>B29K 67 /-</u></b>  |
| 2023232597               | 2023216406               |                          |                          |                           |                           |
| 2023246874               | 2023218370               | <b><u>A62B 7 /-</u></b>  | 2023223748               | <b><u>B08B 9 /-</u></b>   | 2023239738                |
|                          | 2023218575               |                          | 2023229357               |                           |                           |
| <b><u>A61P 11 /-</u></b> | 2023220646               | 2023234504               | 2023234460               | 2022444035                | <b><u>B29K 705 /-</u></b> |
|                          | 2023221516               | <b><u>A62B 9 /-</u></b>  | 2023236857               |                           |                           |
| 2023225907               | 2023222230               |                          |                          | <b><u>B09B 101 /-</u></b> | 2023241085                |
| 2023274641               | 2023223808               | 2023234504               | <b><u>B01F 25 /-</u></b> |                           |                           |
|                          | 2023224042               |                          |                          | 2023252047                |                           |
|                          | 2023225907               |                          | 2023234460               |                           |                           |

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| <b>B29L 31 /-</b> |                   | 2023250824        | <b>C01B 21 /-</b> | <b>C05F 1 /-</b>   | <b>C07D 309 /-</b> |
| 2023241085        | <b>B62D 53 /-</b> |                   |                   |                    |                    |
|                   | 2023215145        | <b>B65D 17 /-</b> | 2023253078        | 2023226896         | 2023225907         |
| <b>B32B 25 /-</b> |                   | 2023241085        | <b>C01B 25 /-</b> | <b>C05G 5 /-</b>   | <b>C07D 317 /-</b> |
| 2022444932        | <b>B62D 55 /-</b> |                   |                   |                    |                    |
|                   | 2023252705        | <b>B65D 21 /-</b> | 2023226896        | 2023226896         | 2023225907         |
| <b>B32B 27 /-</b> |                   | 2023232012        | <b>C01B 3 /-</b>  | <b>C07B 59 /-</b>  | 2023236147         |
| 2023249363        | <b>B62K 19 /-</b> |                   |                   |                    |                    |
| 2023251006        | 2023222257        | <b>B65D 65 /-</b> | 2023210689        | 2023230610         | <b>C07D 333 /-</b> |
|                   |                   | 2022464743        | 2023229047        |                    | 2023230874         |
| <b>B32B 5 /-</b>  | <b>B62K 25 /-</b> | 2022466095        | <b>C01B 32 /-</b> | <b>C07C 2 /-</b>   |                    |
| 2023249358        | 2023222257        |                   |                   | 2023227791         | <b>C07D 401 /-</b> |
| 2023249363        | <b>B62M 9 /-</b>  | <b>B65D 77 /-</b> | 2023235640        |                    | 2022451503         |
| 2023251006        |                   | 2023250824        | <b>C01C 1 /-</b>  | <b>C07C 229 /-</b> | 2023218575         |
|                   | 2023222257        |                   | 2022442755        | 2023239678         | 2023223808         |
| <b>B33Y 70 /-</b> |                   | 2023232012        | 2023229047        | <b>C07C 231 /-</b> | 2023225907         |
| 2023229706        | <b>B63B 39 /-</b> |                   |                   |                    | 2023228915         |
| 2023232833        | 2023215145        | <b>B65D 90 /-</b> | <b>C01F 7 /-</b>  | 2023230610         | <b>C07D 405 /-</b> |
| 2023233890        |                   | 2023232012        | 2023252047        | <b>C07C 271 /-</b> | 2023218575         |
|                   | <b>B63G 8 /-</b>  | 2023234278        | <b>C01G 31 /-</b> | 2023236147         | 2023225907         |
| <b>B33Y 80 /-</b> | 2023219588        |                   |                   | <b>C07C 29 /-</b>  | <b>C07D 407 /-</b> |
| 2023233890        | <b>B63H 8 /-</b>  | <b>B65G 13 /-</b> | 2023225614        |                    | 2023225907         |
|                   | 2023224320        | 2023229276        | <b>C02F 1 /-</b>  | 2023235640         | <b>C07D 413 /-</b> |
| <b>B41F 16 /-</b> |                   |                   |                   |                    |                    |
| 2023229181        | 2023224320        | <b>B65G 27 /-</b> | 2023230130        | <b>C07C 31 /-</b>  | 2023218575         |
|                   | <b>B63H 9 /-</b>  | 2023231589        | 2023242955        | 2023235640         | 2023248256         |
| <b>B41J 2 /-</b>  | 2023224320        |                   |                   |                    | 2023267071         |
| 2023229181        | <b>B64C 39 /-</b> | <b>B65G 39 /-</b> | <b>C02F 9 /-</b>  | <b>C07C 311 /-</b> | 2023267825         |
|                   | 2023226873        | 2023229276        | 2023236857        |                    | <b>C07D 471 /-</b> |
| <b>B41M 3 /-</b>  |                   |                   |                   | 2023236147         |                    |
| 2023229181        | <b>B64F 1 /-</b>  | <b>B65G 47 /-</b> | 2023227534        | 2023239678         | 2023244363         |
|                   | 2023226873        | 2023229276        | <b>C04B 14 /-</b> | <b>C07C 59 /-</b>  | <b>C07D 487 /-</b> |
| <b>B41M 5 /-</b>  |                   |                   |                   |                    |                    |
| 2023229181        | <b>B64U 70 /-</b> | <b>B67D 1 /-</b>  | <b>C04B 2 /-</b>  | 2023225907         | 2023228915         |
|                   | 2023226873        | 2022442343        | 2022447619        | <b>C07D 205 /-</b> | 2023244363         |
| <b>B44C 1 /-</b>  |                   | 2023223748        | 2023226932        | 2023225907         | 2023268579         |
| 2023229181        | <b>B64U 80 /-</b> | 2023236857        | <b>C04B 20 /-</b> |                    | <b>C07D 495 /-</b> |
|                   | 2023226873        |                   |                   | <b>C07D 207 /-</b> | 2023228915         |
| <b>B60B 17 /-</b> |                   | 2023391650        | 2022446845        | 2023239982         | <b>C07D 498 /-</b> |
| 2022446867        | <b>B65B 11 /-</b> |                   | 2022447619        |                    |                    |
|                   | 2023230759        | <b>B68B 9 /-</b>  | <b>C04B 22 /-</b> | <b>C07D 211 /-</b> | 2023228915         |
| <b>B60B 9 /-</b>  |                   | 2023227304        | 2023229974        | 2023225907         | <b>C07D 513 /-</b> |
| 2023233485        | <b>B65B 41 /-</b> |                   |                   | 2023236147         |                    |
|                   | 2023230759        | <b>B82B 1 /-</b>  | <b>C04B 24 /-</b> |                    | 2023228915         |
| <b>B60C 23 /-</b> |                   | 2023234191        | 2023387750        | <b>C07D 213 /-</b> | <b>C07D 519 /-</b> |
| 2023233903        | <b>B65B 45 /-</b> |                   |                   | 2023225907         |                    |
|                   | 2023230759        | <b>B82B 3 /-</b>  | <b>C04B 28 /-</b> | <b>C07D 271 /-</b> | 2023218370         |
| <b>B60H 1 /-</b>  |                   | 2023234191        | 2022446845        | 2023248256         | <b>C07F 7 /-</b>   |
| 2023226850        | <b>B65B 51 /-</b> |                   | 2023227534        |                    |                    |
|                   | 2023230759        | <b>B82Y 10 /-</b> | 2023229974        | <b>C07D 273 /-</b> | 2023225602         |
| <b>B60H 3 /-</b>  |                   | 2023234191        | <b>C04B 35 /-</b> | 2023267825         | <b>C07F 9 /-</b>   |
| 2023226850        | <b>B65B 61 /-</b> |                   | 2023229706        |                    |                    |
|                   | 2023230759        | <b>C01B 11 /-</b> | 2023232833        | <b>C07D 295 /-</b> | 2023225602         |
| <b>B60T 15 /-</b> |                   | 2023228701        | <b>C04B 38 /-</b> | 2023236147         | 2023244363         |
| 2023266953        | <b>B65D 1 /-</b>  |                   |                   |                    | <b>C07H 1 /-</b>   |
|                   | 2023232012        |                   | 2023232833        |                    | 2023238144         |
| <b>B62D 37 /-</b> |                   |                   |                   |                    |                    |
| 2023215145        |                   |                   |                   |                    |                    |

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|                          | 2023232083               |                           | <b><u>C12H 3 /-</u></b>  | 2023229708               | <b><u>C25B 1 /-</u></b>  |
| 2023223808               | 2023233627               | 2022458329                |                          | 2023233577               |                          |
|                          | 2023235200               |                           | 2023232499               | 2023233763               | 2022447788               |
| <b><u>C07H 19 /-</u></b> | 2023236126               | <b><u>C09D 5 /-</u></b>   |                          | 2023234435               | 2023228701               |
|                          | 2023240941               |                           | <b><u>C12M 1 /-</u></b>  | 2023239149               | 2023239123               |
| 2023238144               | 2023249636               | 2022444932                |                          | 2023243205               | 2023253078               |
| 2023361470               | 2023252051               | 2022458329                | 2023222278               | 2023248698               |                          |
|                          | 2023274641               | 2023256638                |                          | 2023258028               | <b><u>C25B 11 /-</u></b> |
|                          |                          |                           | <b><u>C12N 1 /-</u></b>  | 2023259598               |                          |
| <b><u>C07H 21 /-</u></b> | <b><u>C07K 19 /-</u></b> | <b><u>C09D 7 /-</u></b>   |                          | 2023260645               | 2023239123               |
|                          |                          |                           | 2023240228               |                          |                          |
| 2023227808               | 2022446336               | 2022444932                | 2023249151               | <b><u>C12R 1 /-</u></b>  | <b><u>C25B 13 /-</u></b> |
| 2023238144               | 2023227283               | 2022458329                |                          |                          |                          |
|                          | 2023227587               |                           | <b><u>C12N 15 /-</u></b> | 2023240228               | 2023239123               |
| <b><u>C07J 31 /-</u></b> | 2023227894               | <b><u>C10G 1 /-</u></b>   |                          |                          |                          |
|                          | 2023227894               |                           | 2022446336               | <b><u>C21B 13 /-</u></b> | <b><u>C25B 15 /-</u></b> |
| 2023234596               | 2023228668               | 2023246580                | 2023215253               |                          |                          |
|                          | 2023228669               |                           | 2023222230               | 2023231853               | 2023228701               |
|                          |                          | <b><u>C10G 11 /-</u></b>  | 2023227808               |                          | 2023230610               |
| <b><u>C07J 41 /-</u></b> | <b><u>C07K 5 /-</u></b>  |                           | 2023227894               | <b><u>C21B 5 /-</u></b>  |                          |
|                          |                          | 2023280603                | 2023228676               |                          | <b><u>C25B 3 /-</u></b>  |
| 2023234596               | 2023223808               |                           | 2023228691               | 2023230580               |                          |
|                          | 2023249516               | <b><u>C10G 3 /-</u></b>   | 2023229364               |                          | 2023230610               |
| <b><u>C07J 43 /-</u></b> | <b><u>C07K 7 /-</u></b>  |                           | 2023232083               | <b><u>C21B 7 /-</u></b>  | <b><u>C25B 9 /-</u></b>  |
|                          |                          | 2023249537                | 2023235493               |                          |                          |
| 2023234596               | 2023215245               |                           | 2023236288               | 2023230580               |                          |
|                          | 2023388729               | <b><u>C10G 50 /-</u></b>  | 2023237818               |                          | 2022447788               |
|                          |                          |                           | 2023239138               | <b><u>C21D 6 /-</u></b>  | 2023228701               |
| <b><u>C07J 7 /-</u></b>  | <b><u>C08B 37 /-</u></b> | 2023227791                | 2023240228               |                          | 2023239123               |
|                          |                          |                           | 2023240941               | 2023228993               |                          |
| 2023234596               | 2023220047               | <b><u>C10J 3 /-</u></b>   | 2023241162               |                          | <b><u>C40B 50 /-</u></b> |
|                          |                          |                           | 2023254100               | <b><u>C22B 1 /-</u></b>  |                          |
| <b><u>C07K 1 /-</u></b>  | <b><u>C08G 59 /-</u></b> | 2023210689                | 2023254798               |                          | 2023230888               |
|                          |                          | 2023216977                | 2023274641               | 2023214883               |                          |
| 2023215245               | 2023239982               | <b><u>C11B 9 /-</u></b>   | 2023276739               | 2023216982               | <b><u>D04H 1 /-</u></b>  |
| 2023249516               |                          |                           |                          | 2023230580               |                          |
| 2023388729               | <b><u>C08G 77 /-</u></b> | 2023227819                | <b><u>C12N 5 /-</u></b>  | 2023245851               | 2023227515               |
|                          |                          |                           |                          |                          |                          |
| <b><u>C07K 14 /-</u></b> | 2023229706               | <b><u>C11D 1 /-</u></b>   | 2023211714               | <b><u>C22B 11 /-</u></b> | <b><u>D06F 33 /-</u></b> |
|                          | 2023232833               |                           | 2023229697               |                          | 2023235423               |
| 2023215245               |                          | 2023248786                | 2023232168               | 2023382017               |                          |
| 2023215253               | <b><u>C08J 9 /-</u></b>  |                           | 2023232642               | <b><u>C22B 15 /-</u></b> | <b><u>D06F 34 /-</u></b> |
| 2023227283               |                          | <b><u>C11D 11 /-</u></b>  | 2023236288               |                          |                          |
| 2023227530               | 2023233890               |                           |                          | 2023382017               | 2023223873               |
| 2023227587               |                          | 2023217339                | <b><u>C12N 7 /-</u></b>  |                          | 2023235423               |
| 2023227894               | <b><u>C08K 3 /-</u></b>  |                           |                          | <b><u>C22B 23 /-</u></b> |                          |
| 2023228668               |                          | <b><u>C11D 17 /-</u></b>  | 2022446336               |                          | <b><u>D06F 35 /-</u></b> |
| 2023228669               | 2023232833               |                           | 2023228691               | 2023216982               | 2023217339               |
| 2023228683               |                          | 2023217339                |                          | 2023245851               |                          |
| 2023228691               | <b><u>C08K 5 /-</u></b>  | <b><u>C11D 3 /-</u></b>   | <b><u>C12N 9 /-</u></b>  |                          | <b><u>D06F 37 /-</u></b> |
| 2023229697               |                          |                           |                          | <b><u>C22B 3 /-</u></b>  |                          |
| 2023232083               | 2023232833               | 2023217339                | 2022444380               |                          | <b><u>D06F 39 /-</u></b> |
| 2023232168               | 2023233844               | 2023248786                | 2023229364               | 2023214883               | 2022446100               |
| 2023237818               |                          |                           | 2023230888               | 2023216982               |                          |
| 2023239138               | <b><u>C08L 5 /-</u></b>  | <b><u>C12C 11 /-</u></b>  | 2023232693               | 2023229357               | <b><u>D06F 39 /-</u></b> |
| 2023241162               |                          |                           | 2023235493               | 2023245851               | 2023223873               |
| 2023247842               | 2023220047               | 2023232499                | 2023241162               | 2023382017               | 2023235423               |
| 2023249516               | <b><u>C08L 83 /-</u></b> |                           | 2023254100               | <b><u>C22B 34 /-</u></b> |                          |
| 2023252051               |                          | <b><u>C12C 12 /-</u></b>  | 2023276739               |                          | <b><u>D06F 58 /-</u></b> |
| 2023259634               | 2023229706               |                           |                          | 2023216982               | 2023223873               |
|                          | 2023232833               | 2023232499                | <b><u>C12P 19 /-</u></b> |                          |                          |
| <b><u>C07K 16 /-</u></b> | <b><u>C09C 1 /-</u></b>  |                           |                          | <b><u>C22B 61 /-</u></b> | <b><u>D06F 73 /-</u></b> |
|                          |                          | 2023232499                | 2023228676               |                          |                          |
| 2022444380               | 2023246580               | 2023232499                |                          | 2023382017               | 2023223873               |
| 2022446336               |                          | <b><u>C12G 3 /-</u></b>   | <b><u>C12P 21 /-</u></b> | <b><u>C22C 38 /-</u></b> |                          |
| 2023215253               | <b><u>C09D 11 /-</u></b> |                           |                          |                          | <b><u>E01C 23 /-</u></b> |
| 2023219176               |                          | 2023232499                | 2023227894               | 2023228993               | 2023211721               |
| 2023221516               | 2023221721               | <b><u>C12H 1 /-</u></b>   |                          |                          |                          |
| 2023222230               | 2023229181               |                           | 2023214724               | <b><u>C23C 28 /-</u></b> | <b><u>E01F 13 /-</u></b> |
| 2023227877               |                          | 2023226930                | 2023221441               |                          |                          |
| 2023227964               |                          |                           | 2023227427               | 2022458329               | 2023216459               |
| 2023228330               |                          |                           |                          |                          |                          |
| 2023228374               |                          |                           |                          |                          |                          |
| 2023228391               |                          |                           |                          |                          |                          |
| 2023228912               |                          |                           |                          |                          |                          |

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|  |  |                   |                    |  |  |
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| <b>E02B 3 /-</b>                       | 2023223371<br>2023227519<br>2023255346 | <b>F02C 9 /-</b>  | <b>F22B 35 /-</b>  | <b>G01C 21 /-</b>  | <b>G05B 11 /-</b>  |
| 2023239056                             |  | 2023220533        | 2022444772         | 2023223274   | 2023221866   |
| <b>E02D 29 /-</b>                      | <b>E21B 34 /-</b>                      | <b>F03B 1 /-</b>  | <b>F22D 5 /-</b>   | <b>G01D 4 /-</b>   | <b>G05B 15 /-</b>  |
| 2023239056                             | 2023224191<br>2023227817               | 2023226950        | 2022444772         | 2023253580   | 2023218301   |
| <b>E02F 3 /-</b>                       | <b>E21B 43 /-</b>                      | <b>F03B 11 /-</b> | <b>F23G 5 /-</b>   | <b>G01M 17 /-</b>  | <b>G05B 17 /-</b>  |
| 2023231609<br>2023232739               | 2023223371<br>2023227306<br>2023227581 | 2023226950        | 2023216977         | 2023211721   | 2023232301   |
| <b>E02F 9 /-</b>                       | 2023228561<br>2023229357<br>2023232301 | <b>F03B 15 /-</b> | <b>F23G 7 /-</b>   | <b>G01N 29 /-</b>  | <b>G05B 19 /-</b>  |
| 2023227377<br>2023231609<br>2023232739 |  | 2023226950        | 2023216977         | 2023234294   | 2023215061<br>2023216128   |
| <b>E03B 7 /-</b>                       | <b>E21B 47 /-</b>                      | <b>F03B 17 /-</b> | <b>F24C 15 /-</b>  | <b>G01N 30 /-</b>  | <b>G05B 23 /-</b>  |
| 2023218301                             | 2023227817                             | 2023226950        | 2023266514         | 2023217752   | 2023220533   |
| <b>E03C 1 /-</b>                       | <b>E21B 49 /-</b>                      | <b>F03D 7 /-</b>  | <b>F24D 17 /-</b>  | <b>G01N 33 /-</b>  | <b>G06F 11 /-</b>  |
| 2023218301                             | 2023227817                             | 2023250105        | 2023218301         | 2023217752<br>2023228374<br>2023229708<br>2023233763<br>2023236288<br>2023242705<br>2023243205<br>2023258028<br>2023259598<br>2023259634<br>2023260645<br>2023263246 | 2022444027<br>2023227201   |
| <b>E03F 3 /-</b>                       | <b>E21D 20 /-</b>                      | <b>F04B 25 /-</b> | <b>F24F 11 /-</b>  |  | <b>G06F 16 /-</b>  |
| 2023222375                             | 2023250790                             | 2023229047        | 2023224625         |  | 2023217330<br>2023221307<br>2023227201<br>2023264499<br>2023288427 |
| <b>E04B 1 /-</b>                       | <b>E21D 21 /-</b>                      | <b>F04B 27 /-</b> | <b>F24F 110 /-</b> |  |  |
| 2023234015                             | 2023249226<br>2023250790               | 2023229047        | 2023224625         |  |  |
| <b>E04B 7 /-</b>                       | <b>F01B 7 /-</b>                       | <b>F04D 17 /-</b> | <b>F24H 15 /-</b>  |  | <b>G06F 21 /-</b>  |
| 2023234015                             | 2023215983                             | 2023229047        | 2023218301         |  | 2022449322<br>2023220143<br>2023220809<br>2023221866<br>2023238789 |
| <b>E04C 2 /-</b>                       | <b>F01D 17 /-</b>                      | <b>F04D 23 /-</b> | <b>F25B 1 /-</b>   | <b>G01R 22 /-</b>  |  |
| 2023234015                             | 2023220533<br>2023224130               | 2023229047        | 2023229047         | 2023245183<br>2023253580   |  |
| <b>E04C 3 /-</b>                       | <b>F01D 21 /-</b>                      | <b>F04D 25 /-</b> | <b>F25D 23 /-</b>  | <b>G01R 31 /-</b>  |  |
| 2023234015                             | 2023220533                             | 2023229047        | 2023391650         | 2023230088   | <b>G06F 3 /-</b>   |
| <b>E04H 17 /-</b>                      | <b>F01D 5 /-</b>                       | <b>F04D 29 /-</b> | <b>F27B 1 /-</b>   | <b>G01S 19 /-</b>  | 2022443249<br>2022457138<br>2023264499<br>2023326196               |
| 2023216459                             | 2023220247<br>2023224130               | 2023228084        | 2022447619         | 2022444396<br>2023231093   |  |
| <b>E05B 13 /-</b>                      | <b>F01D 9 /-</b>                       | <b>F15D 1 /-</b>  | <b>F27D 17 /-</b>  | <b>G01V 1 /-</b>   | <b>G06F 40 /-</b>  |
| 2023226848                             | 2023220247                             | 2023227483        | 2022447619         | 2022444396   | 2023215061<br>2023264499   |
| <b>E05B 17 /-</b>                      | <b>F02B 33 /-</b>                      | <b>F16J 15 /-</b> | <b>F27D 19 /-</b>  | <b>G02B 27 /-</b>  | <b>G06F 8 /-</b>   |
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| <b>E05G 1 /-</b>                       | <b>F02B 75 /-</b>                      | <b>F16L 17 /-</b> | <b>F27D 21 /-</b>  | <b>G02C 7 /-</b>   | <b>G06N 10 /-</b>  |
| 2023234278                             | 2023215983                             | 2023222375        | 2022447619         | 2023214610   | 2023234191   |
| <b>E21B 17 /-</b>                      | <b>F02C 3 /-</b>                       | <b>F16L 55 /-</b> | <b>F28D 7 /-</b>   | <b>G03B 17 /-</b>  | <b>G06N 20 /-</b>  |
| 2023223371                             | 2023224893                             | 2023222375        | 2022263706         | 2022439107   | 2023217752<br>2023220143   |
| <b>E21B 23 /-</b>                      | <b>F02C 7 /-</b>                       | <b>F17C 1 /-</b>  | <b>F41B 11 /-</b>  | <b>G03B 35 /-</b>  | <b>G06N 5 /-</b>   |
| 2023221903<br>2023227817               | 2023224893                             | 2023235262        | 2023226873         | 2022439107   | 2023215061<br>2023220143   |
| <b>E21B 33 /-</b>                      | <b>F22B 1 /-</b>                       | <b>F17C 3 /-</b>  | <b>F41F 7 /-</b>   | <b>G03F 7 /-</b>   | <b>G06Q 10 /-</b>  |
| 2023221903                             | 2022444772                             | 2023235262        | 2022439107         | 2023231419   | 2022445671   |



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| 2023220143        |                   | 2023232217        | 2023235049        | <u>H04W 56 /-</u> |
| 2023228639        | <u>G11C 8 /-</u>  |                   |                   |                   |
| 2023228835        |                   | <u>H01M 50 /-</u> | <u>H02S 30 /-</u> | 2023248708        |
| 2023326196        | 2023238881        |                   |                   |                   |
| <u>G06Q 30 /-</u> | <u>G16B 25 /-</u> | 2023233443        | 2023228801        | <u>H04W 60 /-</u> |
|                   |                   | <u>H01M 6 /-</u>  | <u>H02S 40 /-</u> | 2023247940        |
| 2023266100        | 2023234435        |                   |                   |                   |
| <u>G06Q 40 /-</u> | <u>G16B 30 /-</u> | 2023225614        | 2023245795        | <u>H04W 72 /-</u> |
|                   |                   | <u>H01M 8 /-</u>  | <u>H03F 17 /-</u> | 2023248708        |
| 2023326196        | 2023234435        |                   |                   |                   |
| <u>G06Q 50 /-</u> | <u>G16H 10 /-</u> | 2023214501        | 2023221821        | <u>H04W 74 /-</u> |
|                   |                   | 2023220908        |                   |                   |
| 2023215081        | 2023224847        | 2023225614        | <u>H04B 1 /-</u>  | 2023228221        |
| 2023228835        |                   | 2023230088        |                   |                   |
|                   | <u>G16H 20 /-</u> | 2023239123        | 2023234337        | <u>H05K 1 /-</u>  |
| <u>G06T 15 /-</u> |                   | <u>H01Q 1 /-</u>  | <u>H04B 7 /-</u>  | 2023231024        |
|                   | 2022451488        |                   |                   |                   |
| 2023230778        | 2023229708        | 2022444396        | 2022444396        | <u>H05K 3 /-</u>  |
|                   | 2023257643        | 2023225697        | 2023248708        |                   |
| <u>G06T 19 /-</u> |                   | 2023251594        |                   | 2023231024        |
|                   | <u>G16H 30 /-</u> | <u>H01Q 13 /-</u> | <u>H04L 12 /-</u> | <u>H10K 30 /-</u> |
| 2023234613        | 2023257643        |                   | 2023248708        |                   |
| <u>G06T 5 /-</u>  |                   | 2023238922        | <u>H04L 27 /-</u> | 2023231024        |
|                   | <u>G16H 40 /-</u> | <u>H01Q 21 /-</u> |                   | <u>H10K 71 /-</u> |
| 2023224291        | 2023224847        |                   | 2023234337        |                   |
| <u>G06T 7 /-</u>  |                   | 2023216471        | <u>H04L 5 /-</u>  | 2023231024        |
|                   | <u>G16H 50 /-</u> | 2023238922        |                   | <u>H10K 77 /-</u> |
| 2023230778        | 2023229708        | <u>H01Q 25 /-</u> | 2023228221        |                   |
| 2023257643        |                   |                   | 2023235986        | 2023231024        |
| <u>G06V 20 /-</u> | <u>G21F 3 /-</u>  | 2023216471        | <u>H04L 67 /-</u> | <u>H10K 99 /-</u> |
|                   |                   | 2023238922        |                   |                   |
| 2023222189        | 2023223957        | <u>H01Q 3 /-</u>  | 2023215081        | 2023231024        |
| <u>G07C 5 /-</u>  | <u>H01B 1 /-</u>  |                   | <u>H04L 9 /-</u>  |                   |
|                   |                   | 2023216471        |                   |                   |
| 2023228639        | 2023231024        | 2023238922        | 2022449322        |                   |
|                   | 2023239123        | <u>H01Q 5 /-</u>  | <u>H04N 19 /-</u> |                   |
| <u>G07C 9 /-</u>  | <u>H01G 11 /-</u> |                   |                   |                   |
|                   |                   | 2023238922        | 2023235986        |                   |
| 2023235899        | 2023231024        | <u>H01R 13 /-</u> | <u>H04N 23 /-</u> |                   |
| <u>G08G 1 /-</u>  | <u>H01G 9 /-</u>  |                   |                   |                   |
|                   |                   | 2022439141        | 2023228029        |                   |
| 2023222189        | 2023231024        | <u>H02J 3 /-</u>  | <u>H04N 7 /-</u>  |                   |
| <u>G10L 15 /-</u> | <u>H01L 21 /-</u> |                   |                   |                   |
|                   |                   | 2023245795        | 2023215081        |                   |
| 2023241710        | 2023231024        | <u>H02J 7 /-</u>  | <u>H04Q 9 /-</u>  |                   |
| <u>G10L 19 /-</u> | 2023234191        |                   |                   |                   |
|                   | <u>H01L 31 /-</u> | 2023221866        | 2022444396        |                   |
| 2023231617        | 2023281492        | 2023233443        | <u>H04W 4 /-</u>  |                   |
| <u>G10L 25 /-</u> | 2023318863        | <u>H02K 7 /-</u>  |                   |                   |
|                   |                   |                   | 2023228221        |                   |
| 2023263265        | <u>H01L 33 /-</u> | 2023231589        | 2023232350        |                   |
| <u>G11C 11 /-</u> |                   |                   | 2023247150        |                   |
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| <u>G11C 13 /-</u> |                   | <u>H02S 10 /-</u> | 2023248708        |                   |
|                   | 2023205673        |                   | <u>H04W 52 /-</u> |                   |
| 2023228860        | <u>H01M 4 /-</u>  | 2023228801        |                   |                   |
| 2023234435        |                   | <u>H02S 20 /-</u> | 2023227961        |                   |
|                   | 2022465135        |                   | 2023247150        |                   |
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|                   | 2023214501        | 2023228801        |                   |                   |
| 2023238881        | 2023226845        |                   |                   |                   |

Applications Accepted

Name Index

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(71) 10X Genomics, Inc.  
 (11) AU-B-2020412766  
 (21) 2020412766 (22) 22.12.2020  
 (54) Methods for spatial analysis using RNA-templated ligation  
 (51) Int. Cl.  
**C12Q 1/6841** ( 2018.01 )  
 (87) WO2021/133849  
 (31) 62/952,736 (32) 23.12.19 (33) US  
 62/969,458 03.02.20 US  
 63/087,061 02.10.20 US  
 63/108,088 30.10.20 US  
 (43) 01.07.2021  
 (44) 19.09.2024  
 (72) CHELL, James Michael; STOECKIUS, Marlon; ALLES, Jonathan; GALLANT, Caroline Julie; GALONSKA, Christina; BAVA, Felice Alessio; KATIRAEI, Layla  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) 6 over 6 Vision Ltd.  
 (11) AU-B-2020211433  
 (21) 2020211433 (22) 23.01.2020  
 (54) Apparatus, system and method of determining one or more parameters of a refractive error of a tested eye  
 (51) Int. Cl.  
**A61B 3/028** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**A61B 3/032** ( 2006.01 )  
 (87) WO2020/152621  
 (31) 62/796,240 (32) 24.01.19 (33) US  
 (43) 30.07.2020  
 (44) 19.09.2024  
 (72) LIMON, Ofer; ZLOTNIK, Alexander; KITTENPLON, Yair; BREGMAN AMITAI, Orna  
 (74) James & Wells Intellectual Property

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(71) Abiomed, Inc.  
 (11) AU-B-2018389238  
 (21) 2018389238 (22) 21.12.2018  
 (54) Systems and methods for predicting patient health status  
 (51) Int. Cl.  
**G16H 20/40** ( 2018.01 )  
**A61M 5/14** ( 2006.01 )  
**G16H 20/17** ( 2018.01 )  
**G16H 50/00** ( 2018.01 )  
 (87) WO2019/126721  
 (31) 62/609,158 (32) 21.12.17 (33) US  
 (43) 27.06.2019  
 (44) 19.09.2024  
 (72) LIU, Chen; KATERJI, Admad El; CORBETT, Scott  
 (74) Davies Collison Cave Pty Ltd

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(71) Adimab, LLC  
 (11) AU-B-2021250973  
 (21) 2021250973 (22) 15.10.2021  
 (54) Antibody libraries

(51) Int. Cl.  
**C40B 30/04** ( 2006.01 )  
 (43) 11.11.2021  
 (44) 19.09.2024  
 (62) 2019200298  
 (72) VASQUEZ, Maximiliano; SIVASUBRAMANIAN, Arvind; FELDHAUS, Michael  
 (74) FB Rice Pty Ltd

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(71) ADMA BioManufacturing, LLC  
 (11) AU-B-2021202598  
 (21) 2021202598 (22) 27.04.2021  
 (54) Compositions and methods for the treatment of immunodeficiency

(51) Int. Cl.  
**A61K 35/16** ( 2015.01 )  
**A61K 39/42** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
 (43) 27.05.2021  
 (44) 19.09.2024  
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 (72) GROSSMAN, Adam S.; GROSSMAN, Jerrold B.; MOND, James; GOLDSTEIN, Dov A.  
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(71) Advanced Lithium Electrochemistry Co., Ltd.  
 (11) AU-B-2023203287  
 (21) 2023203287 (22) 25.05.2023  
 (54) High-voltage composite positive electrode material and manufacturing method thereof  
 (51) Int. Cl.  
**H01M 4/50** ( 2010.01 )  
**H01M 4/131** ( 2010.01 )  
**H01M 4/40** ( 2006.01 )  
 (31) 112105075 (32) 14.02.23 (33) TW  
 (43) 29.08.2024  
 (44) 19.09.2024  
 (72) HE, Ding-De; HSIEH, Han-Wei  
 (74) Spruson & Ferguson

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(71) AdvanSix Resins & Chemicals LLC  
 (11) AU-B-2023200582  
 (21) 2023200582 (22) 03.02.2023  
 (54) Methods and compositions for polyurethane dispersions using caprolactam-derived solvents  
 (51) Int. Cl.  
**C08G 18/48** ( 2006.01 )  
**C08G 18/08** ( 2006.01 )  
**C08G 18/10** ( 2006.01 )  
**C08G 18/76** ( 2006.01 )  
**C08G 18/79** ( 2006.01 )  
**C08G 18/80** ( 2006.01 )

(43) 09.03.2023  
 (44) 19.09.2024  
 (62) 2021203814  
 (72) Asirvatham, Edward; De Lame, Céline; Flores-Vasquez, Jaime  
 (74) Davies Collison Cave Pty Ltd

(71) AFL Telecommunications LLC; Fujikura Ltd.  
 (11) AU-B-2023219941  
 (21) 2023219941 (22) 24.08.2023  
 (54) Round and small diameter optical cables with a ribbon-like optical fiber structure  
 (51) Int. Cl.  
**G02B 6/44** ( 2006.01 )  
 (43) 14.09.2023  
 (44) 19.09.2024  
 (62) 2022200762  
 (72) Cignarale, Joseph; Baker, Doug; Hashimoto, Yoshio; Osato, Ken  
 (74) FB Rice Pty Ltd

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 (21) 2018389969

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(71) AIC246 AG & Co. KG  
 (11) AU-B-2021225363  
 (21) 2021225363 (22) 01.03.2021  
 (54) A method of producing a crystalline form of sodium 2-[(4S)-8-fluoro-2-[4-(3-methoxyphenyl)piperazin-1-yl]-3-[2-methoxy-5-(trifluoromethyl)phenyl]-4H-quinazolin-4-yl]acetate trihydrate  
 (51) Int. Cl.  
**A61P 31/22** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**C07D 239/84** ( 2006.01 )  
 (87) WO2021/170874  
 (31) 20159727.5 (32) 27.02.20 (33) EP  
 (43) 02.09.2021  
 (44) 19.09.2024  
 (72) BUSCHMANN, Helmut; GOLDNER, Thomas; CERON BERTRAN, Jordi Carles  
 (74) Davies Collison Cave Pty Ltd

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(71) AIC246 AG & Co. KG  
 (11) AU-B-2021228240  
 (21) 2021228240 (22) 01.03.2021  
 (54) Sodium 2- [(4S)-8-fluoro-2-[4-(3-methoxyphenyl)piperazin-1-yl]-3-[2-methoxy-5-(trifluoromethyl)phenyl]-4H-quinazolin-4-yl]acetate and pharmaceutical compositions thereof  
 (51) Int. Cl.  
**A61K 9/19** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )  
**A61P 31/22** ( 2006.01 )  
 (87) WO2021/170878  
 (31) 20159699.6 (32) 27.02.20 (33) EP  
 (43) 02.09.2021  
 (44) 19.09.2024  
 (72) BUSCHMANN, Helmut; GOLDNER, Thomas; REDMER, Jessica; HAWE,

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Andrea; LUCKE, Matthias; HOHMANN, Dorothea; ROSA, Monica  
**(74)** Davies Collison Cave Pty Ltd

**(71)** AiCuris GmbH & Co. KG; Friedrich-Alexander-Universität Erlangen-Nürnberg  
**(11)** AU-B-2019304526  
**(21)** 2019304526 **(22)** 19.07.2019  
**(54)** Methods for screening and identifying agents that inhibit or modulate the nuclear egress complex of herpesviruses  
**(51)** Int. Cl.  
**C07K 14/03** ( 2006.01 )  
**(87)** WO2020/016433  
**(31)** 18184806.0 **(32)** 20.07.18 **(33)** EP  
**(43)** 23.01.2020  
**(44)** 19.09.2024  
**(72)** MARSCHALL, Manfred; MULLER, Yves; STICHT, Heinrich; EICHLER, Jutta  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Albemarle Corporation  
**(11)** AU-B-2019262648  
**(21)** 2019262648 **(22)** 03.05.2019  
**(54)** Processes for reducing environmental availability of environmental pollutants  
**(51)** Int. Cl.  
**B09C 1/00** ( 2006.01 )  
**B01D 53/64** ( 2006.01 )  
**B09C 1/08** ( 2006.01 )  
**(87)** WO2019/213615  
**(31)** 62/666,943 **(32)** 04.05.18 **(33)** US  
**(43)** 07.11.2019  
**(44)** 19.09.2024  
**(72)** ZHOU, Qunhui; LAMBETH, Gregory H.; MILLER, Jon Eric; FROST, Timothy Allen; WELZ, Sascha Joerg; KIM, Se Hye  
**(74)** FB Rice Pty Ltd

**(71)** Alcon Inc.  
**(11)** AU-B-2019281356  
**(21)** 2019281356 **(22)** 31.05.2019  
**(54)** Systems and methods for reflection-based positioning relative to an eye  
**(51)** Int. Cl.  
**A61B 3/15** ( 2006.01 )  
**(87)** WO2019/234574  
**(31)** 62/681,440 **(32)** 06.06.18 **(33)** US  
**(43)** 12.12.2019  
**(44)** 19.09.2024  
**(72)** ZIEGER, Peter; GRUENDIG, Martin; BIRKNER, Sascha  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Allergan, Inc.  
**(11)** AU-B-2022256160  
**(21)** 2022256160 **(22)** 20.10.2022  
**(54)** Hyaluronic acid/collagen-based dermal filler compositions and methods for making same  
**(51)** Int. Cl.  
**C08B 37/00** ( 2006.01 )  
**A61K 8/65** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61L 27/52** ( 2006.01 )

**C08H 1/00** ( 2006.01 )  
**C08L 5/08** ( 2006.01 )  
**C08L 89/00** ( 2006.01 )  
**(43)** 24.11.2022  
**(44)** 19.09.2024  
**(62)** 2020256324  
**(72)** Pollock, Jacob F.; Yu, Xiaojie; Manesis, Nicholas J.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Alnylam Pharmaceuticals, Inc.  
**(11)** AU-B-2022231749  
**(21)** 2022231749 **(22)** 15.09.2022  
**(54)** RNAI AGENTS, COMPOSITIONS AND METHODS OF USE THEREOF FOR TREATING TRANSTHYRETIN (TTR) ASSOCIATED DISEASES  
**(51)** Int. Cl.  
**C07H 21/00** ( 2006.01 )  
**A61K 31/7088** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(43)** 01.12.2022  
**(44)** 19.09.2024  
**(62)** 2019240658  
**(72)** CHARISSE, Klaus; KUCHIMANCHI, Satyanarayana; MAIER, Martin; RAJEEV, Kallanthottathil G.; ZIMMERMANN, Tracy; MANOHARAN, Muthiah  
**(74)** Griffith Hack

**(71)** Aloxitec Pty Ltd.  
**(11)** AU-B-2022228197  
**(21)** 2022228197 **(22)** 09.09.2022  
**(54)** Porous materials comprising metal oxides and the use thereof  
**(51)** Int. Cl.  
**A23B 7/00** ( 2006.01 )  
**B01J 20/02** ( 2006.01 )  
**B01J 20/284** ( 2006.01 )  
**C25D 11/02** ( 2006.01 )  
**C25D 11/26** ( 2006.01 )  
**C25D 11/34** ( 2006.01 )  
**(43)** 06.10.2022  
**(44)** 19.09.2024  
**(62)** 2019400944  
**(72)** FANG, Jinghua  
**(74)** MINTER ELLISON

**(71)** Amgen Inc.  
**(11)** AU-B-2018258676  
**(21)** 2018258676 **(22)** 27.04.2018  
**(54)** N-acetylated and non-acetylated dipeptides containing arginine to reduce the viscosity of viscous compositions of therapeutic polypeptides  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**(87)** WO2018/201064  
**(31)** 62/492,020 **(32)** 28.04.17 **(33)** US  
**(43)** 01.11.2018  
**(44)** 19.09.2024  
**(72)** Agrawal, Neeraj Jagdish; Ghattyvenkatakrishna, Pavan; Kanapuram, Sekhar; Sloey, Christopher James  
**(74)** Spruson & Ferguson

**(71)** Amgen Inc.; Kite Pharma, Inc.  
**(11)** AU-B-2022200108  
**(21)** 2022200108 **(22)** 10.01.2022  
**(54)** Chimeric receptors to FLT3 and methods of use thereof  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(43)** 03.02.2022  
**(44)** 19.09.2024  
**(62)** 2017240801  
**(72)** BAKKER, Alice; WU, Lawren; ARVEDSON, Tara; WILTZIUS, Jed J.; RODRIGUEZ, Ruben Alvarez  
**(74)** Spruson & Ferguson

**(71)** Amgen Inc.  
**(11)** AU-B-2023200296  
**(21)** 2023200296 **(22)** 19.01.2023  
**(54)** Protein Formulations  
**(51)** Int. Cl.  
**A61K 47/18** ( 2017.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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**(43)** 23.02.2023  
**(44)** 19.09.2024  
**(62)** 2020250182  
**(72)** PARK, Sungae; MCAULEY, Arnold  
**(74)** WRAYS PTY LTD

**(71)** AMO Groningen B.V.  
**(11)** AU-B-2019219240  
**(21)** 2019219240 **(22)** 08.02.2019  
**(54)** Psychophysical method to characterize visual symptoms  
**(51)** Int. Cl.  
**A61B 3/10** ( 2006.01 )  
**A61B 3/02** ( 2006.01 )  
**A61B 3/032** ( 2006.01 )  
**A61B 3/06** ( 2006.01 )  
**A61B 3/12** ( 2006.01 )  
**(87)** WO2019/155025  
**(31)** 62/628,171 **(32)** 08.02.18 **(33)** US  
**(43)** 15.08.2019  
**(44)** 19.09.2024  
**(72)** ROSEN, Robert; CANOVAS VIDAL, Carmen  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** AMOS POWER, INC.  
**(11)** AU-B-2022427664  
**(21)** 2022427664 **(22)** 16.05.2022  
**(54)** MODULAR ROBOTIC VEHICLE  
**(51)** Int. Cl.  
**B62D 55/06** ( 2006.01 )  
**B62D 55/084** ( 2006.01 )  
**B62D 55/125** ( 2006.01 )  
**B62D 55/065** ( 2006.01 )  
**(87)** WO2023/129201  
**(31)** 17/562,847 **(32)** 27.12.21 **(33)** US  
**(43)** 06.07.2023

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 (72) BOE, Thomas, Cedric; WELLS, Parker; KOOISTRA, Zachary; BEELER, Forrest; BOE, Kyle; MACUCH, Louis; DUCHARME, Broc; ZWART, Terry  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Amphastar Pharmaceuticals, Inc.  
 (11) AU-B-2019438995  
 (21) 2019438995 (22) 23.09.2019  
 (54) Medication delivery systems and methods  
 (51) Int. Cl.  
*A61K 38/26* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61M 15/00* ( 2006.01 )  
*B05B 11/00* ( 2006.01 )  
*B05B 11/06* ( 2006.01 )  
*B65D 81/26* ( 2006.01 )  
*C07K 14/605* ( 2006.01 )  
*G09B 23/28* ( 2006.01 )

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 (31) 62/826,093 (32) 29.03.19 (33) US  
 (43) 08.10.2020  
 (44) 19.09.2024  
 (72) ARNETT, Jaime Ray; SNOW, Andrew Thomas  
 (74) WRAYS PTY LTD

(71) Amsted Rail Company, Inc.  
 (11) AU-B-2020331938  
 (21) 2020331938 (22) 14.08.2020  
 (54) Labyrinth seal with interlocking rotor and seal case insert  
 (51) Int. Cl.  
*F16C 33/80* ( 2006.01 )  
*F16C 33/78* ( 2006.01 )  
*F16J 15/3256* ( 2016.01 )  
*F16J 15/3264* ( 2016.01 )  
 (87) WO2021/034720  
 (31) 62/888,004 (32) 16.08.19 (33) US  
 (43) 25.02.2021  
 (44) 19.09.2024  
 (72) HARGRAVES, James  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ancora Heart, Inc.  
 (11) AU-B-2022256084  
 (21) 2022256084 (22) 17.10.2022  
 (54) Myocardial implant load sharing device and methods to promote LV function  
 (51) Int. Cl.  
*A61B 17/04* ( 2006.01 )  
*A61F 2/24* ( 2006.01 )  
 (43) 17.11.2022  
 (44) 19.09.2024  
 (62) 2017362497  
 (72) Sampson, Russel; Henderson, Jennifer; Closs, Jeff; Sampson, Joshua; Adam, Charles J.  
 (74) FB Rice Pty Ltd

(71) Anduril Industries, Inc.  
 (11) AU-B-2021206184  
 (21) 2021206184 (22) 05.01.2021

(54) Maritime vehicle systems and methods  
 (51) Int. Cl.  
*B63G 8/00* ( 2006.01 )  
*B63B 3/13* ( 2006.01 )  
*B63B 3/34* ( 2006.01 )  
*B63G 8/08* ( 2006.01 )  
*B63G 8/41* ( 2006.01 )  
 (87) WO2021/141923  
 (31) 62/957,478 (32) 06.01.20 (33) US  
 (43) 15.07.2021  
 (44) 19.09.2024  
 (72) LEBO, William Timothy; RAYMOND, Timothy George; FISHER JUNIOR, John Joseph; WYLIE, Jeffrey Alan; HENDERSON, Hayden Allen; RUSSO, Samuel John; SGOBBO, Jerrold; BRACCI, Noah Michael; BUESCHER, James Gabriel; GUIMARAES FILHO, Izirlei; CELKIS, Edward Anthony  
 (74) FB Rice Pty Ltd

(71) Aneeta Window Systems (Vic) Pty Ltd  
 (11) AU-B-2018256485  
 (21) 2018256485 (22) 30.10.2018  
 (54) KEYLOCK ARRANGEMENT  
 (51) Int. Cl.  
*E05B 19/04* ( 2006.01 )  
 (31) 2017904447 (32) 01.11.17 (33) AU  
 (43) 16.05.2019  
 (44) 19.09.2024  
 (72) Phillips, David; Nielsen, Lars  
 (74) Spruson & Ferguson

(71) Apple Inc.  
 (11) AU-B-2021336223  
 (21) 2021336223 (22) 05.08.2021  
 (54) Wireless power system with communications  
 (51) Int. Cl.  
*H02J 50/90* ( 2016.01 )  
*H02J 50/10* ( 2016.01 )  
*H02J 50/80* ( 2016.01 )  
 (87) WO2022/051053  
 (31) 17/028,404 (32) 22.09.20 (33) US  
 63/075,035 04.09.20 US  
 (43) 10.03.2022  
 (44) 19.09.2024  
 (72) PATEL, Parin; KUMAR, Daniel P.; CHANG, Andrew C.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-B-2023202497  
 (21) 2023202497 (22) 24.04.2023  
 (54) Processing of commands in a virtual assistant  
 (51) Int. Cl.  
*G06F 40/00* ( 2020.01 )  
*G06F 3/048* ( 2013.01 )  
 (43) 11.05.2023  
 (44) 19.09.2024  
 (62) 2021203914  
 (72) Gruber, Thomas Robert; Brigham, Christopher Dean; Keen, Daniel S.; Novick, Gregory; Phipps, Benjamin S.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-B-2023226704  
 (21) 2023226704 (22) 06.09.2023  
 (54) Accessing system user interfaces on an electronic device  
 (51) Int. Cl.  
*G06F 3/0482* ( 2013.01 )  
*G06F 3/0488* ( 2022.01 )  
 (43) 21.09.2023  
 (44) 19.09.2024  
 (62) 2022202731  
 (72) Ive, Jonathan P.; Benbasat, Ari Y.; Strongwater, Daniel Max; Triverio, Marco; Sundstrom, Matthew J.; Littlejohn, Todd J.; Carrigan, Taylor G.; McAtee, Kevin Tyler  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-B-2024201230  
 (21) 2024201230 (22) 23.02.2024  
 (54) Methods for manipulating objects in an environment  
 (51) Int. Cl.  
*G06F 3/01* ( 2006.01 )  
 (43) 14.03.2024  
 (44) 19.09.2024  
 (62) 2021347112  
 (72) DASCOLA, Jonathan; PALANGIE, Alexis; ANTON, Peter; LEMAY, Stephen; MCKENZIE, Christopher; PASTRANA VICENTE, Israel; HENDERSON, Nicholas; DARGAN, Dorian; RAVASZ, Jonathan; CHIU, Shi-Sang; PERRON, Jonathan; CHEN, Tong; GITTER, Nathan; BOESEL, Benjamin; SUSA, Katherine; BAUERLY, Kristi  
 (74) FPA Patent Attorneys Pty Ltd

(71) Applied Medical Resources Corporation  
 (11) AU-B-2018369906  
 (21) 2018369906 (22) 15.11.2018  
 (54) Suturing skills surgical training model  
 (51) Int. Cl.  
*G09B 23/28* ( 2006.01 )  
 (87) WO2019/099665  
 (31) 62/586,369 (32) 15.11.17 (33) US  
 (43) 23.05.2019  
 (44) 19.09.2024  
 (72) HOFSTETTER, Gregory K.; CARTER, Brian; RAYGAN, Oscar  
 (74) Griffith Hack

(71) APR APPLIED PHARMA RESEARCH S.A.  
 (11) AU-B-2022205198  
 (21) 2022205198 (22) 13.07.2022  
 (54) MODIFIED RELEASE ORALLY ADMINISTERED AMINO ACID FORMULATIONS  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A23L 33/175* ( 2016.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 9/50* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61K 31/401* ( 2006.01 )  
*A61K 31/405* ( 2006.01 )  
*A61K 31/4172* ( 2006.01 )

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**A61K 45/06** ( 2006.01 )  
**(43)** 04.08.2022  
**(44)** 19.09.2024  
**(62)** 2016330261  
**(72)** Reiner, Alberto; Reiner, Giorgio  
**(74)** AJ PARK

**(71)** Aqualand Industries Limited  
**(11)** AU-B-2019311338  
**(21)** 2019311338 **(22)** 25.07.2019  
**(54)** Improvements to a vehicle  
**(51)** Int. Cl.  
**B62D 11/04** ( 2006.01 )  
**(87)** WO2020/021265  
**(31)** 1812121.0 **(32)** 25.07.18 **(33)** GB  
**(43)** 30.01.2020  
**(44)** 19.09.2024  
**(72)** LOMAX, Stuart  
**(74)** Madderns Pty Ltd

**(71)** ARCADOPHTA  
**(11)** AU-B-2022410370  
**(21)** 2022410370 **(22)** 15.12.2022  
**(54)** METHOD FOR MANUFACTURING AN OPTHALMIC TREATMENT FLUID RESERVOIR  
**(51)** Int. Cl.  
**B65D 83/62** ( 2006.01 )  
**A61M 5/178** ( 2006.01 )  
**(87)** WO2023/111212  
**(31)** 21214614.6 **(32)** 15.12.21 **(33)** EP  
**(43)** 22.06.2023  
**(44)** 19.09.2024  
**(72)** REBOUL, Gérard  
**(74)** Michael Buck IP

**(71)** Ariceum Therapeutics GmbH  
**(11)** AU-B-2019289884  
**(21)** 2019289884 **(22)** 20.06.2019  
**(54)** Composition containing a somatostatin analogue for radiopharmaceutical use  
**(51)** Int. Cl.  
**A61K 51/08** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/22** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**A61K 51/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61K 103/30** ( 2006.01 )  
**(87)** WO2019/243487  
**(31)** 18179054.4 **(32)** 21.06.18 **(33)** EP  
**(43)** 26.12.2019  
**(44)** 19.09.2024  
**(72)** BEJOT, Romain; KARAAOUI, Bilal; KUBIAK, Didier; LE MEUR, Anne-Claire; NOURRISSON, Didier; PETIT, Anne; RICHARD, Joël; TOULISSE, Camille  
**(74)** James & Wells Intellectual Property

**Arnold, U. see Brück, T.**  
**(21)** 2022213744

**(71)** Arrowhead Pharmaceuticals, Inc.  
**(11)** AU-B-2018359515  
**(21)** 2018359515 **(22)** 31.10.2018  
**(54)** Integrin ligands and uses thereof  
**(51)** Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2019/089765  
**(31)** 62/580,398 **(32)** 01.11.17 **(33)** US  
 62/646,739 22.03.18 US  
 62/679,549 01.06.18 US  
**(43)** 09.05.2019  
**(44)** 19.09.2024  
**(72)** LI, Zhen; LI, Xiaokai; BUSH, Erik W.; ZHU, Rui; SHU, Dongxu; BENSON, Jonathan; SHAO, Patrick; FOWLER-WATTERS, Matthew  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Arthrex, Inc.  
**(11)** AU-B-2018396107  
**(21)** 2018396107 **(22)** 21.12.2018  
**(54)** Systems and methods for cellular separation  
**(51)** Int. Cl.  
**A61B 50/36** ( 2016.01 )  
**A61B 50/39** ( 2016.01 )  
**A61J 1/05** ( 2006.01 )  
**A61J 1/12** ( 2006.01 )  
**A61J 1/14** ( 2006.01 )  
**A61J 1/20** ( 2006.01 )  
**(87)** WO2019/133486  
**(31)** 15/858,077 **(32)** 29.12.17 **(33)** US  
**(43)** 04.07.2019  
**(44)** 19.09.2024  
**(72)** MCINTYRE, Hannah; BARE, Christopher; TUCKER, Melissa; MATUSKA, Andrea  
**(74)** Spruson & Ferguson

**ARYASOMAYAJULA, S. see KASAVALA, D.**  
**(21)** 2019312721

**(71)** Ashkal Developments Limited  
**(11)** AU-B-2018383079  
**(21)** 2018383079 **(22)** 13.12.2018  
**(54)** Airway device  
**(51)** Int. Cl.  
**A61M 16/04** ( 2006.01 )  
**(87)** WO2019/116041  
**(31)** 1720733.3 **(32)** 13.12.17 **(33)** GB  
**(43)** 20.06.2019  
**(44)** 19.09.2024  
**(72)** NASIR, Muhammed Aslam; CROTAZ, Ivan; HONOUR, Andrew  
**(74)** IP SOLVED (ANZ) PTY. LTD.

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**(11)** AU-B-2021209068  
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**C12N 5/0793** ( 2010.01 )  
**A61P 25/16** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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     G16H 20/17 ( 2018.01 )  
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     A23L 33/10 ( 2016.01 )  
     A23L 33/165 ( 2016.01 )  
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     C12M 1/34 ( 2006.01 )  
     C12Q 1/68 ( 2018.01 )  
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 (74) Patentec Patent Attorneys
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**B63B 27/14** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 31/7048** ( 2006.01 )  
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**A61P 9/04** ( 2006.01 )  
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**B65D 88/00** ( 2006.01 )  
**B65D 88/22** ( 2006.01 )  
**E04B 1/343** ( 2006.01 )  
**E04B 1/344** ( 2006.01 )  
**E04B 1/35** ( 2006.01 )  
**E04G 25/02** ( 2006.01 )  
**E04G 25/04** ( 2006.01 )  
**E04H 1/12** ( 2006.01 )  
**H01H 23/04** ( 2006.01 )  
**H01R 13/04** ( 2006.01 )  
**H01R 13/10** ( 2006.01 )  
**H02B 1/50** ( 2006.01 )  
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**B60N 2/28** ( 2006.01 )  
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 (51) Int. Cl.  
**B60N 2/26** ( 2006.01 )  
**B60N 2/90** ( 2018.01 )  
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 Berg, Florian  
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 (11) AU-B-2022213744  
 (21) 2022213744 (22) 08.08.2022  
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 PRODUCED REGENERATIVELY OR  
 PART-REGENERATIVELY FROM CO<sub>2</sub>  
 USING COMBINED PRODUCTION  
 METHODS

(51) Int. Cl.  
**D01F 9/22** ( 2006.01 )  
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 Kolja  
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 (21) 2023200935 (22) 17.02.2023  
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 performance of desiccant dehumidifica-  
 tion equipment for low-humidity applica-  
 tions

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**B01D 53/06** ( 2006.01 )  
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 Singh  
 (74) Davies Collison Cave Pty Ltd

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 (54) Gait profiler system and method

(51) Int. Cl.  
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**A61H 3/00** ( 2006.01 )

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 (72) ZOSO, Nathaniel; THIAUX, Victorien;  
 BOUCHARD, Kevin; BILODEAU, Katia;  
 LAVOIE, Hugues  
 (74) Origin Patent and Trade Mark Attorneys

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 embolization compositions and associ-  
 ated methods

(51) Int. Cl.  
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 PHOTOLUMINESCENT LASER DE-  
 LIVERY FIBER

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**A61B 18/22** ( 2006.01 )  
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**G02B 6/44** ( 2006.01 )  
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 (72) FRANKLIN, Jeff, E.  
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 hand-drawn shapes

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**G06T 7/543** ( 2017.01 )  
**G06F 8/34** ( 2018.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 9/00** ( 2006.01 )  
**G06T 3/14** ( 2024.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 designs

(51) Int. Cl.  
**G06T 11/60** ( 2006.01 )  
**G06F 40/114** ( 2020.01 )  
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**G06F 40/14** ( 2020.01 )  
**G06F 40/186** ( 2020.01 )  
**G06F 40/189** ( 2020.01 )  
**G06F 3/0483** ( 2013.01 )  
**G06F 40/106** ( 2020.01 )

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 NOTHMAN, Joel  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) APTAMERS AND USES THEREOF  
 (51) Int. Cl.

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**C12Q 1/68** ( 2018.01 )

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 Domyenyuk, Valeriy; Hornung, Tassilo;  
 Schafer, Frank; Xiao, Nick  
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 NO<sub>x</sub> and N<sub>2</sub>O from a tail gas of a nitric  
 acid process  
 (51) Int. Cl.  
**B01D 53/86** ( 2006.01 )  
**C01B 21/40** ( 2006.01 )

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 GRANGER, Jean François  
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**B01J 2/02** ( 2006.01 )  
**B01J 2/04** ( 2006.01 )  
**C05G 3/00** ( 2020.01 )

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 drea  
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 (54) A process for the synthesis of urea  
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**(72)** GARCÍA MAHIQUES, Vicente  
**(74)** Churchill Attorneys

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**(54)** Printer-finisher system for data storage in DNA  
**(51)** Int. Cl.

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**B01J 19/00** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(51)** Int. Cl.  
**B62D 55/20** ( 2006.01 )  
**B62D 55/08** ( 2006.01 )  
**B62D 55/14** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2019305467  
**(21)** 2019305467 **(22)** 13.06.2019  
**(54)** Ripper shank pocket with wear inserts  
**(51)** Int. Cl.

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**E02F 5/32** ( 2006.01 )  
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**(72)** GERBER, Byron L.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2022284023  
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**(54)** PROPULSION CONTROL SELECTION AND SYNCHRONIZATION SYSTEM  
**(51)** Int. Cl.  
**B63H 5/08** ( 2006.01 )  
**B63H 5/125** ( 2006.01 )  
**B63H 5/14** ( 2006.01 )  
**B63H 21/21** ( 2006.01 )

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**(72)** NEATHERY, Brian P.; GANDY, Cameron S.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** CDGM Glass Co., Ltd  
**(11)** AU-B-2022213843  
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**(54)** Microcrystalline glass, and microcrystalline glass product and manufacturing method therefor

**(51)** Int. Cl.  
**C03C 10/04** ( 2006.01 )  
**C03B 27/03** ( 2006.01 )  
**C03B 32/02** ( 2006.01 )  
**C03C 1/04** ( 2006.01 )  
**C03C 3/097** ( 2006.01 )  
**C03C 4/02** ( 2006.01 )  
**C03C 10/02** ( 2006.01 )  
**C03C 10/12** ( 2006.01 )  
**C03C 10/14** ( 2006.01 )  
**C03C 21/00** ( 2006.01 )

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**(72)** YUAN, Baoping; LI, Sai; JIANG, Tao; CHEN, Xuemei; YU, Tianlai; SU, Yong  
**(74)** WRAYS PTY LTD

**(71)** Celgard, LLC  
**(11)** AU-B-2019247382  
**(21)** 2019247382 **(22)** 04.04.2019  
**(54)** Solid state batteries, sse batteries, lithium metal batteries with solid state electrolytes, hsse, separators, and/or coatings, and/or related methods  
**(51)** Int. Cl.  
**H01M 10/0562** ( 2010.01 )  
**H01M 10/052** ( 2010.01 )  
**H01M 10/0565** ( 2010.01 )

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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Celgene Corporation  
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**(21)** 2019274530 **(22)** 22.05.2019  
**(54)** Antiproliferative compounds and bispecific antibody against BCMA and CD3 for combined use  
**(51)** Int. Cl.  
**A61K 31/497** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(44)** 19.09.2024  
**(72)** PIERCE, Daniel W.; WONG, Lilly L.  
**(74)** FB Rice Pty Ltd

**(71)** CFPH, L.L.C.  
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**(21)** 2023201508 **(22)** 10.03.2023  
**(54)** Document changes  
**(51)** Int. Cl.

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**(44)** 19.09.2024  
**(62)** 2021200185  
**(72)** ALDERUCCI, Dean P.; GELMAN, Geofrey M.; MANNING, Gregory; BRINTON, Michael D.  
**(74)** FB Rice Pty Ltd

**(71)** Chemcom S.A.  
**(11)** AU-B-2021295580  
**(21)** 2021295580 **(22)** 25.06.2021  
**(54)** Use of compounds as self-tanning substances and tanning compositions thereof

**(51)** Int. Cl.  
**A61K 8/34** ( 2006.01 )  
**A61K 8/35** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 8/63** ( 2006.01 )  
**A61Q 19/04** ( 2006.01 )

**(87)** WO2021/260168  
**(31)** 20182311.9 **(32)** 25.06.20 **(33)** EP  
**(43)** 30.12.2021  
**(44)** 19.09.2024  
**(72)** HUYSEUNE, Sandra; VEITHEN, Alex; QUESNEL, Yannick  
**(74)** Spruson & Ferguson

**(71)** Chevron U.S.A. Inc.  
**(11)** AU-B-2020267043  
**(21)** 2020267043 **(22)** 25.03.2020  
**(54)** System and method for lateral statistical estimation of rock and fluid properties in a subsurface formation

**(51)** Int. Cl.  
**G01V 99/00** ( 2009.01 )  
**(87)** WO2020/222050  
**(31)** 16/399,204 **(32)** 30.04.19 **(33)** US  
**(43)** 05.11.2020  
**(44)** 19.09.2024  
**(72)** XU, Ellen Xiaoxia; LIN, Yuanbo; WANG, Ke; DYGERT, Todd C.; SULLIVAN, Morgan David; DISIENA, James P.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Children's Medical Center Corporation  
**(11)** AU-B-2018297171  
**(21)** 2018297171 **(22)** 06.07.2018  
**(54)** Compositions and methods for treating or preventing catecholaminergic polymorphic ventricular tachycardia  
**(51)** Int. Cl.  
**A61K 31/18** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )

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**A61K 31/454** ( 2006.01 )  
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**(31)** 62/529,256 **(32)** 06.07.17 **(33)** US  
**(43)** 10.01.2019  
**(44)** 19.09.2024  
**(72)** PU, William; BEZZERIDES, Vassilios; ZHANG, Donghui  
**(74)** Southern Cross Intellectual Property Limited

**(71)** China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.  
**(11)** AU-B-2021319485  
**(21)** 2021319485 **(22)** 30.07.2021  
**(54)** Control channel transmission method, apparatus, related device, and storage medium  
**(51)** Int. Cl.  
**H04W 72/04** ( 2009.01 )  
**(87)** WO2022/028335  
**(31)** 202010790030.2 **(32)** 07.08.20 **(33)** CN  
**(43)** 10.02.2022  
**(44)** 19.09.2024  
**(72)** LI, Yan; WANG, Fei; ZHENG, Yi; LIU, Jianjun  
**(74)** Michael Buck IP

**China Mobile Communications Group Co., Ltd. see China Mobile Communication Co., Ltd Research Institute**  
**(21)** 2021319485

**(71)** CHINT NEW ENERGY TECHNOLOGY CO., LTD.  
**(11)** AU-B-2021415703  
**(21)** 2021415703 **(22)** 10.05.2021  
**(54)** Back-Side Metal Electrode of N-Type TOPCon Solar Cell, and Method for Preparing Back-Side Metal Electrode of N-Type TOPCon Solar Cell, and N-type TOPCon Solar Cell  
**(51)** Int. Cl.  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/068** ( 2012.01 )  
**H01L 31/18** ( 2006.01 )  
**(87)** WO2022/142054  
**(31)** 202011582094.X **(32)** 28.12.20 **(33)** CN  
**(43)** 07.07.2022  
**(44)** 19.09.2024  
**(72)** FENG, Mingzhang; YANG, Jinfang; HE, Sheng; HSU, Wei-Chih  
**(74)** GLMR

**(71)** CiDRA Corporate Services LLC  
**(11)** AU-B-2019238181  
**(21)** 2019238181 **(22)** 19.03.2019  
**(54)** Objective function for automatic control of a mineral ore grinding circuit  
**(51)** Int. Cl.  
**B02C 25/00** ( 2006.01 )  
**G05B 19/042** ( 2006.01 )  
**(87)** WO2019/183073  
**(31)** 62/644,672 **(32)** 19.03.18 **(33)** US

**(43)** 26.09.2019  
**(44)** 19.09.2024  
**(72)** MARON, Robert J.; SEPULVEDA, Jaime  
**(74)** Spruson & Ferguson

**(71)** Cisco Technology, Inc.  
**(11)** AU-B-2020227664  
**(21)** 2020227664 **(22)** 20.02.2020  
**(54)** Systems and methods for on-demand flow-based policy enforcement in multi-cloud environments  
**(51)** Int. Cl.  
**H04L 45/02** ( 2022.01 )  
**H04L 45/42** ( 2022.01 )  
**H04L 47/22** ( 2022.01 )  
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**(31)** 16/289,647 **(32)** 28.02.19 **(33)** US  
**(43)** 03.09.2020  
**(44)** 19.09.2024  
**(72)** JANAKIRAMAN, Rajagopalan; DE-SAI, Ronak K.; GANAPATHY, Sivakumar; ASGHAR, Mohammed Javed; SULEMAN, Azeem; VALJIBHAI, Patel Amitkumar  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Cisco Technology, Inc.  
**(11)** AU-B-2020318892  
**(21)** 2020318892 **(22)** 15.07.2020  
**(54)** Systems and methods for providing bidirectional forwarding detection with performance routing measurements  
**(51)** Int. Cl.  
**H04L 43/10** ( 2022.01 )  
**H04L 41/0663** ( 2022.01 )  
**H04L 45/02** ( 2022.01 )  
**(87)** WO2021/016020  
**(31)** 62/877,997 **(32)** 24.07.19 **(33)** US  
 16/675,465 06.11.19 US  
**(43)** 28.01.2021  
**(44)** 19.09.2024  
**(72)** GUPTA, Anubhav; BHOLE, Mahesh Eknath; PONNURU, Laxmikantha Reddy; MISHRA, Ajay Kumar; RADHAKRISHNAN, Prabahar  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Clearwater Seafoods Limited Partnership  
**(11)** AU-B-2020322419  
**(21)** 2020322419 **(22)** 28.07.2020  
**(54)** Apparatus and methods for mollusc processing  
**(51)** Int. Cl.  
**A22C 29/04** ( 2006.01 )  
**A22C 29/00** ( 2006.01 )  
**(87)** WO2021/016705  
**(31)** 62/881,418 **(32)** 01.08.19 **(33)** US  
**(43)** 04.02.2021  
**(44)** 19.09.2024  
**(72)** LOHNES, Keith; ROSE, Tracy; MC-DONALD, Mike; DICKSON, Elizabeth J.M.; VASILE, Fanel; NAUSS, William A.  
**(74)** AJ PARK

**Clinical Genomics Pty Ltd see Quest Diagnostics Investments LLC**  
**(21)** 2022200667

**(71)** CMP PRODUCTS LIMITED  
**(11)** AU-B-2023363703  
**(21)** 2023363703 **(22)** 26.09.2023  
**(54)** CLAMPING DEVICE FOR CABLE CONNECTOR ASSEMBLY  
**(51)** Int. Cl.  
**H02G 3/06** ( 2006.01 )  
**H01R 9/05** ( 2006.01 )  
**H02G 15/013** ( 2006.01 )  
**H02G 15/04** ( 2006.01 )  
**(87)** WO2024/083460  
**(31)** 22201984.6 **(32)** 17.10.22 **(33)** EP  
**(43)** 25.04.2024  
**(44)** 19.09.2024  
**(72)** BIRRELL, Iain; FRIZZELL, Lee  
**(74)** FB Rice Pty Ltd

**(71)** COCREATION GRASS CO., LTD  
**(11)** AU-B-2023208069  
**(21)** 2023208069 **(22)** 24.07.2023  
**(54)** BACKING FABRIC WITH HIGH WATER PERMEABILITY AND ARTIFICIAL TURF CONTAINING SAME  
**(51)** Int. Cl.  
**D03D 15/43** ( 2021.01 )  
**D03D 1/00** ( 2006.01 )  
**D03D 13/00** ( 2006.01 )  
**D03D 15/44** ( 2021.01 )  
**D05C 17/02** ( 2006.01 )  
**(31)** 202223462154.1 **(32)** 24.12.22 **(33)** CN  
**(43)** 11.07.2024  
**(44)** 19.09.2024  
**(72)** WANG, Qing; SUN, Yangjing; ZHAO, Chungui  
**(74)** Remarkable IP

**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2021294350  
**(21)** 2021294350 **(22)** 25.06.2021  
**(54)** Oral care compositions  
**(51)** Int. Cl.  
**A61Q 11/00** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/43** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/46** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 8/60** ( 2006.01 )  
**(87)** WO2021/263151  
**(31)** 63/044,522 **(32)** 26.06.20 **(33)** US  
**(43)** 30.12.2021  
**(44)** 19.09.2024  
**(72)** LI, Ningwei; SHEN, Hongwei; TANG, Saide; WON, Betty; DUBOVY, Viktor; PAN, Long  
**(74)** Spruson & Ferguson

**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2022331911  
**(21)** 2022331911 **(22)** 23.12.2022  
**(54)** Peroxymonosulfate oral whitening compositions  
**(51)** Int. Cl.

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**A61K 8/22** ( 2006.01 )  
**A61K 8/58** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2023/122343  
**(31)** 63/293,345 **(32)** 23.12.21 **(33)** US  
 63/293,355 23.12.21 US  
**(43)** 13.07.2023  
**(44)** 19.09.2024  
**(72)** LEE, Jonghun; DOGO-ISONAGIE, Ca-  
 jetan  
**(74)** Spruson & Ferguson

**(71)** COLGATE-PALMOLIVE COMPANY  
**(11)** AU-B-2021376217  
**(21)** 2021376217 **(22)** 05.11.2021  
**(54)** ORAL CARE WHITENING COMPOSI-  
 TIONS  
**(51)** Int. Cl.  
**A61K 8/22** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61K 8/90** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2022/098967  
**(31)** 63/110,586 **(32)** 06.11.20 **(33)** US  
**(43)** 12.05.2022  
**(44)** 19.09.2024  
**(72)** CHEN, Xiang; CHOPRA, Suman; FEI,  
 Lin  
**(74)** Spruson & Ferguson

**(71)** COLGATE-PALMOLIVE COMPANY  
**(11)** AU-B-2021376273  
**(21)** 2021376273 **(22)** 03.11.2021  
**(54)** ORAL HYDROGEL COMPOSITIONS  
 AND USES  
**(51)** Int. Cl.  
**A61K 8/04** ( 2006.01 )  
**A61K 8/86** ( 2006.01 )  
**A61P 1/02** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2022/098730  
**(31)** 63/109,169 **(32)** 03.11.20 **(33)** US  
**(43)** 12.05.2022  
**(44)** 19.09.2024  
**(72)** MANUS, Lisa; STEELE, Joseph; PIC-  
 QUET, Guillaume; PADULA, Christine;  
 CHEN, Dandan; WON, Betty; POTAN-  
 IN, Andrei  
**(74)** Spruson & Ferguson

**(71)** Comfor Tek Seating Inc.  
**(11)** AU-B-2019203779  
**(21)** 2019203779 **(22)** 30.05.2019  
**(54)** Chair Caddie  
**(51)** Int. Cl.  
**A47C 7/52** ( 2006.01 )  
**A47C 7/62** ( 2006.01 )  
**B62B 3/02** ( 2006.01 )  
**B62B 3/06** ( 2006.01 )  
**B62B 3/10** ( 2006.01 )  
**(31)** 15/996,068 **(32)** 01.06.18 **(33)** US  
**(43)** 19.12.2019  
**(44)** 19.09.2024  
**(72)** Schellenberg, Randy Dwayne  
**(74)** Walker IP

**Commissariat à l'Énergie Atomique et aux  
 Énergies Alternatives see Orano Mining**  
**(21)** 2019380627

**(71)** Compagnie Generale Des Etablis-  
 sements Michelin  
**(11)** AU-B-2018382796  
**(21)** 2018382796 **(22)** 13.12.2018  
**(54)** Civil engineering vehicle tire  
**(51)** Int. Cl.  
**C08L 7/00** ( 2006.01 )  
**B60C 1/00** ( 2006.01 )  
**C08L 9/00** ( 2006.01 )  
**C08L 9/06** ( 2006.01 )  
**C08L 21/00** ( 2006.01 )  
**(87)** WO2019/115954  
**(31)** 17/62102 **(32)** 14.12.17 **(33)** FR  
**(43)** 20.06.2019  
**(44)** 19.09.2024  
**(72)** DE GAUDEMARIS, Benoît; HUT, Alain;  
 PETITJEAN, Laurent  
**(74)** Griffith Hack

**(71)** ConMed Corporation  
**(11)** AU-B-2022241568  
**(21)** 2022241568 **(22)** 29.09.2022  
**(54)** LIGAMENT REVISION SYSTEM  
**(51)** Int. Cl.  
**A61B 17/88** ( 2006.01 )  
**(43)** 27.10.2022  
**(44)** 19.09.2024  
**(62)** 2019295521  
**(72)** KOHLER, Adam; KAM, Andrew; WOLF,  
 Brian R.; LAHEY, Philip; WHITLOCK,  
 Danielle L.  
**(74)** Griffith Hack

**(71)** ConocoPhillips Company  
**(11)** AU-B-2019243434  
**(21)** 2019243434 **(22)** 26.03.2019  
**(54)** Low frequency DAS well interference  
 evaluation  
**(51)** Int. Cl.  
**E21B 47/06** ( 2012.01 )  
**E21B 43/26** ( 2006.01 )  
**E21B 47/00** ( 2012.01 )  
**E21B 49/00** ( 2006.01 )  
**(87)** WO2019/191106  
**(31)** 62/649,346 **(32)** 28.03.18 **(33)** US  
**(43)** 03.10.2019  
**(44)** 19.09.2024  
**(72)** JIN, Ge; KRUEGER, Kyle R.; ROY,  
 Baishali  
**(74)** Spruson & Ferguson

**(71)** Consejo Nacional de Investigaciones  
 Cientificas y Tecnicas Conicet; Univer-  
 sidad Nacional de Cuyo  
**(11)** AU-B-2018371262  
**(21)** 2018371262 **(22)** 23.11.2018  
**(54)** Pyrometallurgical method for obtaining  
 compounds of lithium and intermediates  
 from alpha-spodumene and lepidolite  
**(51)** Int. Cl.  
**C01D 15/00** ( 2006.01 )  
**(87)** WO2019/102416  
**(31)** 20170103282 **(32)** 24.11.17 **(33)** AR

**(43)** 31.05.2019  
**(44)** 19.09.2024  
**(72)** RODRIGUEZ, Mario Humberto; RE-  
 SENTERA BEIZA, Alexander Cristian;  
 ROSALES, Gustavo Daniel  
**(74)** AJ PARK

**Cooper, F. see RevAir, LLC**  
**(21)** 2022215273

**(71)** Crop's Fruit  
**(11)** AU-B-2018392895  
**(21)** 2018392895 **(22)** 18.12.2018  
**(54)** Device for the automatic preparation of  
 a food product and method of offering  
 and/or selling such a food product  
**(51)** Int. Cl.  
**A47J 43/042** ( 2006.01 )  
**A47J 43/07** ( 2006.01 )  
**(87)** WO2019/123229  
**(31)** BE-2017/5959 **(32)** 19.12.17 **(33)** BE  
**(43)** 27.06.2019  
**(44)** 19.09.2024  
**(72)** DELBAERE, Pieter  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Crown Equipment Corporation  
**(11)** AU-B-2022252786  
**(21)** 2022252786 **(22)** 13.10.2022  
**(54)** Traffic management for materials hand-  
 ling vehicles in a warehouse environ-  
 ment  
**(51)** Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G05D 1/69** ( 2024.01 )  
**G08G 1/16** ( 2006.01 )  
**(43)** 03.11.2022  
**(44)** 19.09.2024  
**(62)** 2018307660  
**(72)** COLLETT, Toby; MCARDLE, Sam;  
 PHILLIPS, Sian; SUMNER, Greg  
**(74)** Griffith Hack

**(71)** Crystal Lagoons Technologies, Inc.  
**(11)** AU-B-2019417738  
**(21)** 2019417738 **(22)** 23.12.2019  
**(54)** Urban performance venue for the provi-  
 sion of entertainment to an audience in  
 a beach themed setting  
**(51)** Int. Cl.  
**E04H 3/10** ( 2006.01 )  
**E02B 17/00** ( 2006.01 )  
**E04H 3/22** ( 2006.01 )  
**E04H 4/00** ( 2006.01 )  
**(87)** WO2020/139864  
**(31)** 62/785,086 **(32)** 26.12.18 **(33)** US  
 16/538,273 12.08.19 US  
**(43)** 02.07.2020  
**(44)** 19.09.2024  
**(72)** FISCHMANN, Fernando Benjamin  
**(74)** FPA Patent Attorneys Pty Ltd

**Curis, Inc see Aurigene Oncology Limited**  
**(21)** 2018360389

Applications Accepted - Name Index cont'd

(71) DAEWOONG CO., LTD.  
 (11) AU-B-2022217094  
 (21) 2022217094 (22) 07.02.2022  
 (54) BOTULINUM TOXIN FREEZE-DRIED  
 DOSAGE FORM COMPOSITION  
 STORABLE FOR LONG TIME  
 (51) Int. Cl.  
*A61K 9/19* ( 2006.01 )  
*A61K 38/48* ( 2006.01 )  
*A61K 47/26* ( 2006.01 )  
*A61K 47/40* ( 2006.01 )  
*A61K 47/42* ( 2017.01 )  
*A61K 47/64* ( 2017.01 )  
 (87) WO2022/169323  
 (31) 10-2021-0017390 (32) 08.02.21 (33) KR  
 (43) 11.08.2022  
 (44) 19.09.2024  
 (72) SEO, Jeongdeok; KIM, Han-Byul; KIM,  
 Kyoung-Yun  
 (74) FB Rice Pty Ltd

(71) Daly, T.  
 (11) AU-B-2019237545  
 (21) 2019237545 (22) 14.04.2019  
 (54) Carbondisulfide derived zwitterions  
 (51) Int. Cl.  
*C07C 329/04* ( 2006.01 )  
*C07C 333/14* ( 2006.01 )  
 (87) WO2019/183645  
 (43) 26.09.2019  
 (44) 19.09.2024  
 (72) DALY, Thomas P.  
 (74) WRAYS PTY LTD

(71) Davis Gorton Pty Ltd  
 (11) AU-B-2023201050  
 (21) 2023201050 (22) 22.02.2023  
 (54) A gate and a gate hinge  
 (51) Int. Cl.  
*E06B 11/04* ( 2006.01 )  
*E05D 3/02* ( 2006.01 )  
*E05D 5/10* ( 2006.01 )  
*E05D 11/08* ( 2006.01 )  
*E05F 1/06* ( 2006.01 )  
*E05D 5/14* ( 2006.01 )  
 (31) 2022900422 (32) 23.02.22 (33) AU  
 (43) 07.09.2023  
 (44) 19.09.2024  
 (72) GORTON, Rodney Andrew  
 (74) FOUNDRY INTELLECTUAL PROP-  
 ERTY PTY LTD

(71) DDP Specialty Electronic Materials US,  
 LLC  
 (11) AU-B-2019242026  
 (21) 2019242026 (22) 12.03.2019  
 (54) Grit blasting  
 (51) Int. Cl.  
*G21F 9/30* ( 2006.01 )  
*B24C 11/00* ( 2006.01 )  
*G21F 9/12* ( 2006.01 )  
 (87) WO2019/190735  
 (31) 62/649,894 (32) 29.03.18 (33) US  
 (43) 03.10.2019  
 (44) 19.09.2024  
 (72) HAILEMARIAM, Leaelaf Mengislu; MA-  
 JAMAA, Katarina  
 (74) Phillips Ormonde Fitzpatrick

(71) Deere & Company  
 (11) AU-B-2019204778  
 (21) 2019204778 (22) 03.07.2019  
 (54) Container angle sensing using vision  
 sensor for feedback loop control  
 (51) Int. Cl.  
*E02F 9/00* ( 2006.01 )  
*G01B 11/26* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (31) 16/055,495 (32) 06.08.18 (33) US  
 (43) 20.02.2020  
 (44) 19.09.2024  
 (72) Hageman, John M.; Loukili, Tarik;  
 Amatya, Suraj  
 (74) Davies Collison Cave Pty Ltd

(71) De-Ice Technologies, Inc.  
 (11) AU-B-2019333261  
 (21) 2019333261 (22) 27.08.2019  
 (54) De-icing systems  
 (51) Int. Cl.  
*B64D 15/12* ( 2006.01 )  
 (87) WO2020/046873  
 (31) 62/723,270 (32) 27.08.18 (33) US  
 (43) 05.03.2020  
 (44) 19.09.2024  
 (72) BRATIANU-BADEA, Alexandru; TOUBI-  
 ANA, Ruben; BUENROSTRO, Chris-  
 topher; KROPP, Sean David  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) DEKA Products Limited Partnership  
 (11) AU-B-2022204682  
 (21) 2022204682 (22) 30.06.2022  
 (54) Apparatus for monitoring, regulating, or  
 controlling fluid flow  
 (51) Int. Cl.  
*A61M 5/14* ( 2006.01 )  
*A61M 5/142* ( 2006.01 )  
*A61M 5/168* ( 2006.01 )  
 (43) 21.07.2022  
 (44) 19.09.2024  
 (62) 2017212657  
 (72) DALE, James D.; FICHERA, Stephen  
 L.; GRAY, Larry; KAMEN, Dean; LAN-  
 IGAN, Matthew; MORGAN, Frederick;  
 VAN DER MERWE, Dirk A.; YOO, Brian  
 H.  
 (74) HENRY HUGHES IP LTD

(71) De Rochemont, L.  
 (11) AU-B-2019282259  
 (21) 2019282259 (22) 05.06.2019  
 (54) Module with high peak bandwidth I/O  
 channels  
 (51) Int. Cl.  
*H01L 23/538* ( 2006.01 )  
*H01L 25/065* ( 2006.01 )  
 (87) WO2019/236734  
 (31) 62/680,762 (32) 05.06.18 (33) US  
 62/691,204 28.06.18 US  
 (43) 12.12.2019

(44) 19.09.2024  
 (72) DE ROCHEMONT, L. Pierre  
 (74) Halfords IP

(71) Development Center for Biotechnology  
 (11) AU-B-2019306113  
 (21) 2019306113 (22) 14.07.2019  
 (54) Anti-human PD-L1 antibodies and their  
 uses  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 38/16* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*C07K 16/18* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
 (87) WO2020/018395  
 (31) 62/698,096 (32) 14.07.18 (33) US  
 (43) 23.01.2020  
 (44) 19.09.2024  
 (72) YU, Cheng-Chou; YANG, Shih-Rang;  
 HSIEH, Tsung-Han; CHAN, Mei-Chi;  
 YEh, Shu-Ping; HSU, Chuan-Lung; HU,  
 Ling-Yueh; HSIAO, Chih-Lun  
 (74) Collison & Co

(71) DEWERTOKIN TECHNOLOGY  
 GROUP CO., LTD.  
 (11) AU-B-2022217289  
 (21) 2022217289 (22) 26.01.2022  
 (54) CONTROL SYSTEM FOR ELECTRIC  
 LIFTING DESK, AND ELECTRIC LIFT-  
 ING DESK  
 (51) Int. Cl.  
*G05B 19/042* ( 2006.01 )  
 (87) WO2022/166699  
 (31) 202110172287.6 (32) 08.02.21 (33) CN  
 (43) 11.08.2022  
 (44) 19.09.2024  
 (72) LI, Long; LIU, Hui  
 (74) GLMR

(71) Dexcom, Inc.  
 (11) AU-B-2022218567  
 (21) 2022218567 (22) 18.08.2022  
 (54) Biointerface layer for analyte sensors  
 (51) Int. Cl.  
*B05C 9/12* ( 2006.01 )  
*C12Q 1/58* ( 2006.01 )  
*G01N 27/26* ( 2006.01 )  
 (43) 15.09.2022  
 (44) 19.09.2024  
 (62) 2020203239  
 (72) LEE, Ted Tang; DENNIS, Andrew Trin-  
 in; WANG, Shanger; ZOU, Jiong  
 (74) FB Rice Pty Ltd

(71) Disney Enterprises, Inc.; ETH Zürich  
 (Eidgenössische Technische Hoch-  
 schule Zürich)  
 (11) AU-B-2022271399  
 (21) 2022271399 (22) 15.11.2022  
 (54) Techniques for multi-view neural object  
 modeling  
 (51) Int. Cl.

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**G06T 11/00** ( 2006.01 )  
**G06T 3/00** ( 2006.01 )  
**G06T 7/60** ( 2017.01 )  
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 17/983,246 08.11.22 US  
**(43)** 01.06.2023  
**(44)** 19.09.2024  
**(72)** Bradley, Derek Edward; Chandran,  
 Prashanth; Urnau Gotardo, Paulo Fabi-  
 ano; Wang, Daoye; Zoss, Gaspard  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** DJO, LLC  
**(11)** AU-B-2022224710  
**(21)** 2022224710 **(22)** 29.08.2022  
**(54)** BRACE HINGE WITH TELESCOPING  
 PAD  
**(51)** Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**(43)** 22.09.2022  
**(44)** 19.09.2024  
**(62)** 2017281226  
**(72)** Simons, Isabel; Nathanson, Jeremy  
**(74)** Michael Buck IP

**(71)** Dolby International AB  
**(11)** AU-B-2024203127  
**(21)** 2024203127 **(22)** 10.05.2024  
**(54)** Decoding audio bitstreams with en-  
 hanced spectral band replication  
 metadata in at least one fill element  
**(51)** Int. Cl.  
**G10L 19/00** ( 2013.01 )  
**(43)** 30.05.2024  
**(44)** 19.09.2024  
**(62)** 2022204887  
**(72)** VILLEMOES, Lars; PURNHAGEN,  
 Heiko; EKSTRAND, Per  
**(74)** Spruson & Ferguson

**(71)** DORMAKABA SCHWEIZ AG  
**(11)** AU-B-2022435296  
**(21)** 2022435296 **(22)** 01.09.2022  
**(54)** TRUSTED SEAMLESS AUTHENTIC-  
 ATION METHOD FOR ACCESS CON-  
 TROL  
**(51)** Int. Cl.  
**G07C 9/00** ( 2020.01 )  
**G06F 21/32** ( 2013.01 )  
**G07C 9/25** ( 2020.01 )  
**G07C 9/28** ( 2020.01 )  
**H04L 9/40** ( 2022.01 )  
**H04W 4/80** ( 2018.01 )  
**(87)** WO2023/138801  
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**C09D 123/14** ( 2006.01 )

**B29C 45/14** ( 2006.01 )  
**B32B 27/32** ( 2006.01 )  
**C08L 23/08** ( 2006.01 )  
**F16L 58/04** ( 2006.01 )  
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**(71)** Duesenfeld GmbH  
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**(21)** 2022275436 **(22)** 23.11.2022  
**(54)** Recycling method for treating used bat-  
 teries, in particular rechargeable batter-  
 ies, and battery processing installation  
**(51)** Int. Cl.  
**H01M 6/52** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 15/00** ( 2006.01 )  
**C22B 21/00** ( 2006.01 )  
**H01M 10/54** ( 2006.01 )  
**(43)** 05.01.2023  
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**(72)** HANISCH, Christian  
**(74)** Spruson & Ferguson

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 ter Company Ltd. see State Grid Corpora-  
 tion of China**  
**(21)** 2022312942

**(71)** Ecolab USA Inc.  
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**G01N 21/27** ( 2006.01 )  
**G01N 21/64** ( 2006.01 )  
**G01N 33/18** ( 2006.01 )  
**G01N 21/84** ( 2006.01 )  
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**(54)** Prosthetic valves with mechanically  
 coupled leaflets  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
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 tems  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
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**H01M 8/0267** ( 2016.01 )  
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**(51)** Int. Cl.  
**B65D 33/16** ( 2006.01 )  
**A45F 5/10** ( 2006.01 )  
**B65D 63/10** ( 2006.01 )  
**A63H 33/06** ( 2006.01 )  
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**(74)** Ahmed EL Ayoubi

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**(54)** System and method for carrying out a  
 flexible handover between multiple en-  
 ergy directing elements  
**(51)** Int. Cl.  
**H04N 7/18** ( 2006.01 )  
**F41G 5/08** ( 2006.01 )  
**F41H 13/00** ( 2006.01 )  
**G01S 3/78** ( 2006.01 )  
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*C25B 15/02* ( 2021.01 )  
*H01M 8/04225* ( 2016.01 )  
*H01M 8/04228* ( 2016.01 )  
*H01M 8/04955* ( 2016.01 )  
*C25B 1/02* ( 2006.01 )  
*C25B 15/021* ( 2021.01 )  
*H01M 8/04223* ( 2016.01 )  
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*F25D 25/02* ( 2006.01 )  
*A47B 88/487* ( 2017.01 )  
*F16C 29/04* ( 2006.01 )  
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*G01N 21/954* ( 2006.01 )  
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*A61K 38/48* ( 2006.01 )  
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 (51) Int. Cl.  
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*E01C 3/00* ( 2006.01 )  
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 (54) ULTRASONIC SCALPEL, ENERGY INSTRUMENT FOR SURGICAL USE, AND CONTROL METHOD THEREFOR  
 (51) Int. Cl.  
*A61B 17/32* ( 2006.01 )  
*A61B 18/12* ( 2006.01 )  
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*H02J 7/00* ( 2006.01 )  
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 (54) Method for producing recombinant virus  
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 (51) Int. Cl.  
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 (54) Power system for mobile workstation  
 (51) Int. Cl.  
*B62B 3/02* ( 2006.01 )  
*H01R 11/30* ( 2006.01 )  
*H02J 9/00* ( 2006.01 )  
*H05K 5/00* ( 2006.01 )  
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Troy Edward  
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(21) 2021215095

ETH Zürich (Eidgenössische Technische  
Hochschule Zürich) see Disney Enter-  
prises, Inc.  
(21) 2022271399

(71) European Molecular Biology Laboratory  
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(21) 2018252185 (22) 13.04.2018  
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*H01J 49/04* ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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ing as PresSura Neuro)  
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of  
(51) Int. Cl.  
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*A61K 9/08* ( 2006.01 )  
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*A61P 7/10* ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd

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steam condenser  
(51) Int. Cl.  
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(74) Griffith Hack

(71) Eyesense GmbH  
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(54) Injector for Transcutaneously Intro-  
ducing a Sensor into a Patient  
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*A61B 5/145* ( 2006.01 )  
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a plurality of straps  
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METHODS AND A GAS GENERATING  
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*A61M 11/00* ( 2006.01 )  
*A61M 16/06* ( 2006.01 )  
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Tatkov, Stanislav  
(74) AJ PARK

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(54) BLOWER FOR BREATHING APPAR-  
ATUS  
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(74) AJ PARK

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MASK  
(51) Int. Cl.  
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Daniel John  
(74) AJ PARK

(71) Flowlining Limited  
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pipes and associated apparatus  
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*F16L 13/02* ( 2006.01 )  
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**(74)** BRM Patent Attorneys Pty Ltd

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**(54)** EXCITER APPARATUS  
**(51)** Int. Cl.  
**B07B 1/28** ( 2006.01 )  
**B06B 1/16** ( 2006.01 )  
**B07B 1/42** ( 2006.01 )  
**F16C 33/66** ( 2006.01 )  
**F16C 35/04** ( 2006.01 )

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 ALHASSAN, Shanoon; SEYMOUR,  
 Clayton; SADLER, Byron; ONG, Gor-  
 don  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** FPT Industrial S.p.A.  
**(11)** AU-B-2019362667  
**(21)** 2019362667 **(22)** 17.10.2019  
**(54)** Device for control of a butterfly valve of  
 an internal combustion engine and in-  
 ternal combustion engine comprising  
 said device  
**(51)** Int. Cl.  
**F02D 41/00** ( 2006.01 )  
**F02D 11/10** ( 2006.01 )  
**F02D 41/02** ( 2006.01 )  
**F02D 41/14** ( 2006.01 )

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 CATO, Aldo  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Fresenius Medical Care Deutschland  
 GmbH  
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**(54)** Device and method for determining the  
 static pressure of a patient  
**(51)** Int. Cl.

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**(31)** 10 2018 102 151.8 **(32)** 31.01.18 **(33)** DE  
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 Frank  
**(74)** Davies Collison Cave Pty Ltd

Friedrich-Alexander-Universität Erlan-  
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**(21)** 2019304526

**(71)** Fujian Akeylink Biotechnology Co., Ltd.  
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**(21)** 2020347724 **(22)** 18.09.2020  
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 gen inhibitor and application thereof  
**(51)** Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/5365** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
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**(72)** CAI, Zhe; SUN, Fei; DING, Charles Z.  
**(74)** FB Rice Pty Ltd

**(71)** FUJIFILM Business Innovation Corp.  
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**(54)** Fixing device and image forming appar-  
 atus  
**(51)** Int. Cl.  
**G03G 15/20** ( 2006.01 )  
**G03G 15/16** ( 2006.01 )  
**G03G 15/24** ( 2006.01 )

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**(62)** 2019434978  
**(72)** YAMASHITA, Takayuki  
**(74)** Spruson & Ferguson

**(71)** Fujikura Ltd.  
**(11)** AU-B-2021340327  
**(21)** 2021340327 **(22)** 07.07.2021  
**(54)** Management device, management  
 method, and method for generating  
 data for collation  
**(51)** Int. Cl.  
**B65H 63/00** ( 2006.01 )  
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**B65H 75/38** ( 2006.01 )

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**(72)** OKADA, Naoki; OSATO, Ken  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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 LLC  
**(21)** 2023219941

**(71)** FUJITSU GENERAL LIMITED  
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**(54)** AIR CONDITIONER  
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**(71)** GACW INCORPORATED  
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 BOARD SIDE OUTER RIM COUPLED  
 RING DEFINING A MECHANICAL  
 STOP AND RELATED METHODS  
**(51)** Int. Cl.  
**B60B 9/20** ( 2006.01 )  
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 Limited  
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 mode  
**(51)** Int. Cl.  
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 ing endurance performance and for  
 stimulating lipocatabolism

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frames  
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**G06V 30/10** ( 2022.01 )  
**G06F 3/01** ( 2006.01 )  
**G06F 3/048** ( 2013.01 )  
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**G06V 10/40** ( 2022.01 )  
**G06V 20/62** ( 2022.01 )  
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THEREOF  
(51) Int. Cl.  
**G06V 30/10** ( 2022.01 )  
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**C07K 14/245** ( 2006.01 )  
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WAHOME, Newton  
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(71) Global Algae Technology, LLC  
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(54) Algae cultivation systems and methods  
with bore waves  
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**A01G 7/00** ( 2006.01 )  
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**C12M 1/00** ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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*H01L 31/05* ( 2014.01 )  
*H01L 31/0224* ( 2006.01 )  
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*E21C 41/16* ( 2006.01 )  
*G01S 17/89* ( 2020.01 )  
*G06T 7/37* ( 2017.01 )  
*G06T 19/20* ( 2011.01 )  
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 (54) Image signal encoding/decoding method and apparatus therefor  
 (51) Int. Cl.  
*H04N 19/503* ( 2014.01 )  
*H04N 19/103* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
*H04N 19/122* ( 2014.01 )  
*H04N 19/129* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/18* ( 2014.01 )  
*H04N 19/50* ( 2014.01 )  
*H04N 19/61* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
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(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
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 (21) 2019375731 (22) 08.11.2019  
 (54) Method for encoding/decoding image signal and device therefor  
 (51) Int. Cl.  
*H04N 19/109* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/119* ( 2014.01 )  
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 (21) 2020336724

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 (21) 2021260298

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 (51) Int. Cl.

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**(71)** Halliburton Energy Services, Inc.  
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**(21)** 2018409802 **(22)** 22.02.2018  
**(54)** Seals by mechanically deforming degradable materials  
**(51)** Int. Cl.  
**E21B 34/06** ( 2006.01 )  
**E21B 17/00** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Halliburton Energy Services, Inc.  
**(11)** AU-B-2018455874  
**(21)** 2018455874 **(22)** 27.12.2018  
**(54)** Measuring the oil content in oil-based drilling fluids  
**(51)** Int. Cl.  
**E21B 49/00** ( 2006.01 )  
**G01N 27/02** ( 2006.01 )  
**G01N 33/28** ( 2006.01 )  
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**(72)** YE, Xiangnan; JAMISON, Dale E.; GAO, Li  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Halliburton Energy Services, Inc.  
**(11)** AU-B-2020357489  
**(21)** 2020357489 **(22)** 28.08.2020  
**(54)** High pressure dual electrical collet assembly for oil and gas applications  
**(51)** Int. Cl.  
**E21B 47/125** ( 2012.01 )  
**H01R 13/05** ( 2006.01 )  
**H01R 103/00** ( 2006.01 )  
**(87)** WO2021/066971  
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**(43)** 08.04.2021  
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**(72)** GISSLER, Robert William  
**(74)** Spruson & Ferguson

**(71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-B-2021460024  
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**(54)** MULTI-FIBER SENSING TOPOLOGY FOR SUBSEA WELLS  
**(51)** Int. Cl.  
**E21B 47/125** ( 2012.01 )  
**E21B 17/02** ( 2006.01 )

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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Harbo Technologies Ltd.  
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**(54)** Oil spill spread prevention by immediate containment  
**(51)** Int. Cl.  
**E02B 15/08** ( 2006.01 )  
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**(43)** 31.01.2019  
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**(74)** BOSH IP Pty Ltd

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**(54)** Improved hydroponic system  
**(51)** Int. Cl.  
**A01G 27/04** ( 2006.01 )  
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**(71)** Hawthorne Holdings Pty Ltd  
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**(54)** PIPE SUPPORT  
**(51)** Int. Cl.  
**F16L 3/13** ( 2006.01 )  
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**(43)** 16.05.2019  
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**(72)** Hawthorne, Sydney  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Hefei Zero Carbon Technology Co., Ltd  
**(11)** AU-B-2023200878  
**(21)** 2023200878 **(22)** 16.02.2023  
**(54)** Method, apparatus and device for software testing, and compute-readable storage medium  
**(51)** Int. Cl.  
**G06F 11/36** ( 2006.01 )  
**(31)** 202210344223.4 **(32)** 02.04.22 **(33)** CN  
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**(74)** FB Rice Pty Ltd

**(71)** Heineken Supply Chain B.V.  
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**(21)** 2018441170 **(22)** 10.09.2018  
**(54)** Low-alcohol beer with reduced wort flavor  
**(51)** Int. Cl.  
**C12C 12/04** ( 2006.01 )  
**C12C 5/02** ( 2006.01 )  
**C12H 3/00** ( 2019.01 )  
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**(71)** HENAN MINGSHENG NEW MATERIAL TECHNOLOGY CO., LTD.  
**(11)** AU-B-2023339342  
**(21)** 2023339342 **(22)** 21.09.2023  
**(54)** MANUFACTURING METHOD FOR IMPROVING EDGE FITTING PROPERTIES OF 6016 AUTOMOBILE STAMPED SHEETS  
**(51)** Int. Cl.  
**C22C 21/02** ( 2006.01 )  
**C22F 1/043** ( 2006.01 )  
**(87)** WO2024/051856  
**(31)** 202211092420.8 **(32)** 07.09.22 **(33)** CN  
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**(74)** Remarkable IP

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**F16D 65/00** ( 2006.01 )  
**B60B 35/04** ( 2006.01 )  
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**(54)** KNUCKLE FOR A SELF-STEERING AXLE/SUSPENSION SYSTEM  
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**F16D 51/22** ( 2006.01 )  
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**F16D 121/08** ( 2012.01 )  
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*A61K 9/00* ( 2006.01 )  
*A61K 47/06* ( 2006.01 )  
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*A61L 26/00* ( 2006.01 )  
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*G06F 3/0484* ( 2022.01 )  
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**H05G 2/00** ( 2006.01 )  
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**G05B 13/02** ( 2006.01 )  
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(51) Int. Cl.  
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**G03B 19/18** ( 2021.01 )  
**G06F 3/01** ( 2006.01 )  
**G06T 13/40** ( 2011.01 )  
**H04N 5/76** ( 2006.01 )  
**H04N 21/21** ( 2011.01 )  
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**(51)** Int. Cl.  
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**(74)** FB Rice Pty Ltd

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**(51)** Int. Cl.  
**H01B 7/285** ( 2006.01 )  
**H01B 7/288** ( 2006.01 )  
**H01B 9/00** ( 2006.01 )  
**H01B 9/02** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(54)** Cable gland  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**H02G 15/007** ( 2006.01 )  
**H02G 15/013** ( 2006.01 )  
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**(43)** 19.12.2019  
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**(72)** Paddick, Nathan  
**(74)** Davies Collison Cave Pty Ltd

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**(51)** Int. Cl.  
**G06F 3/01** ( 2006.01 )  
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**(72)** NGUYEN, Jordan Son; TEMPLE, Nicholas John  
**(74)** Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
*C07H 1/00* ( 2006.01 )  
*A23G 4/10* ( 2006.01 )  
*A23L 2/60* ( 2006.01 )  
*A23L 27/00* ( 2016.01 )  
*A23L 27/30* ( 2016.01 )  
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 (74) Spruson & Ferguson

(71) Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.  
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 (21) 2021260298 (22) 12.04.2021  
 (54) Refrigerator  
 (51) Int. Cl.  
*F25D 11/02* ( 2006.01 )  
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 (74) Maddersn Pty Ltd

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 (21) 2021345713 (22) 31.08.2021  
 (54) REFRIGERATOR PROVIDED WITH SEALED DRAWER ON DOOR BODY  
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*F25D 11/02* ( 2006.01 )  
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 (74) Maddersn Pty Ltd

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 (21) 2020378500 (22) 05.11.2020  
 (54) Method for creating new gene in organism and use thereof  
 (51) Int. Cl.  
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*A01H 5/00* ( 2018.01 )  
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 (21) 2021207961 (22) 12.01.2021  
 (54) Fused ring substituted aromatic compound and preparation method therefor, herbicidal composition, and use thereof  
 (51) Int. Cl.  
*C07D 251/08* ( 2006.01 )  
*A01N 43/00* ( 2006.01 )  
*A01N 43/80* ( 2006.01 )  
*A01N 43/90* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
*C07D 251/10* ( 2006.01 )  
*C07D 413/10* ( 2006.01 )  
*C07D 413/14* ( 2006.01 )  
*C07D 498/02* ( 2006.01 )  
*C07D 498/04* ( 2006.01 )

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 (74) WRAYS PTY LTD

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 (21) 2023216735 (22) 09.02.2023  
 (54) NANO-TITANIUM DIOXIDE/BIOCHAR COMPOSITE, AND PREPARATION METHOD AND USE THEREOF  
 (51) Int. Cl.  
*C04B 24/12* ( 2006.01 )  
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 (74) Oxygene IP

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 (54) Identifying landing zones for landing of a robotic vehicle  
 (51) Int. Cl.  
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*G08G 5/02* ( 2006.01 )  
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 (74) Maddersn Pty Ltd

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 (51) Int. Cl.  
*H04W 72/04* ( 2009.01 )

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*H04L 5/00* ( 2006.01 )  
*H04L 5/14* ( 2006.01 )  
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 (74) Maddersn Pty Ltd

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 (54) DISCONNECTION ARC PREVENTION IN CABLE-SUPPLIED POWER CONNECTION  
 (51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
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 (51) Int. Cl.  
*C12Q 1/6809* ( 2018.01 )  
*C12N 15/11* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

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 (51) Int. Cl.  
*A24F 47/00* ( 2006.01 )  
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**A61K 31/506** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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 (21) 2023206086 (22) 17.07.2023  
 (54) BIOREACTOR AND METHOD OF USE  
 OF SUCH BIOREACTOR  
 (51) Int. Cl.  
**C12M 1/00** ( 2006.01 )  
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 (44) 19.09.2024  
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 Cavo, Marta Maria  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 opioid addiction  
 (51) Int. Cl.  
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**A61K 39/395** ( 2006.01 )  
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 MOLECULES AND USES THEREOF  
 (51) Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**C07K 14/435** ( 2006.01 )  
**C07K 16/12** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

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(71) Research Development Foundation  
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 the treatment of bone disorders  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 35/747** ( 2015.01 )  
**A61K 41/00** ( 2020.01 )  
**A61K 45/00** ( 2006.01 )  
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**A61M 37/00** ( 2006.01 )  
**A61N 5/02** ( 2006.01 )  
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 Claire  
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 (21) 2019361356 (22) 16.10.2019  
 (54) Patient interface  
 (51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
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 (43) 23.04.2020  
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 Christian  
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 Isaacson, D.  
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 for grooming hair  
 (51) Int. Cl.  
**A45D 20/12** ( 2006.01 )  
**A45D 2/00** ( 2006.01 )  
**A45D 19/04** ( 2006.01 )  
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 ISAACSON, Debra  
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 from muscle derived progenitor cells  
 (51) Int. Cl.

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 (43) 18.10.2018  
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 neys Pty Ltd

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 (21) 2022202580 (22) 20.04.2022  
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 plantation of vascularized xenografts  
 and derivatives thereof  
 (51) Int. Cl.  
**C12N 15/85** ( 2006.01 )  
**A01K 67/027** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
 (43) 12.05.2022  
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 (72) Ayares, David  
 (74) FPA Patent Attorneys Pty Ltd

(71) RHINO RACK AUSTRALIA PTY LIM-  
 ITED  
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 (54) A ROOF RACK FOR A MOTOR  
 VEHICLE  
 (51) Int. Cl.  
**B60R 9/058** ( 2006.01 )  
**B60R 11/00** ( 2006.01 )  
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 (43) 02.05.2024  
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 olas; PUMMELL, Matthew  
 (74) Adams Pluck

(71) Rhythm Pharmaceuticals, Inc.  
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 (54) Method of treating melanocortin-4 re-  
 ceptor pathway-associated disorders  
 (51) Int. Cl.  
**C07K 7/54** ( 2006.01 )  
**A61K 38/12** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
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 (44) 19.09.2024  
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 H.T. Van Der; HENDERSON, Bart  
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(71) Rotech Group Limited  
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 (21) 2019256775 (22) 05.04.2019  
 (54) Improvements in and relating to under-  
 water excavation apparatus  
 (51) Int. Cl.  
**E02F 3/88** ( 2006.01 )  
**E02F 3/92** ( 2006.01 )  
**E02F 5/10** ( 2006.01 )

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**(43)** 24.10.2019  
**(44)** 19.09.2024  
**(72)** STEWART, Donald  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** S. C. Johnson & Son, Inc.  
**(11)** AU-B-2023203075  
**(21)** 2023203075                   **(22)** 17.05.2023  
**(54)** Volatile material dispenser  
**(51)** Int. Cl.  
**A01M 1/20** ( 2006.01 )  
**A61L 9/12** ( 2006.01 )  
**A61L 9/14** ( 2006.01 )

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**(44)** 19.09.2024  
**(62)** 2020352901  
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**(74)** Spruson & Ferguson

**(71)** S&C ELECTRIC COMPANY  
**(11)** AU-B-2022329648  
**(21)** 2022329648                   **(22)** 08.06.2022  
**(54)** EARTH FAULT SECTIONALIZER FOR ELECTRIC POWER DISTRIBUTION NETWORK

**(51)** Int. Cl.  
**G01R 31/08** ( 2020.01 )  
**H02H 3/16** ( 2006.01 )  
**G01R 31/52** ( 2020.01 )  
**H02H 9/08** ( 2006.01 )

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**(31)** 63/233,848                   **(32)** 17.08.21 **(33)** US  
**(43)** 23.02.2023  
**(44)** 19.09.2024  
**(72)** WILLIAMS, Stephen; BISHOP, Martin; KLEIN, David  
**(74)** Spruson & Ferguson

**(71)** Sage Therapeutics, Inc.  
**(11)** AU-B-2022205157  
**(21)** 2022205157                   **(22)** 12.07.2022  
**(54)** 19-nor C3,3-disubstituted C21-N-pyrazolyl steroids and methods of use thereof  
**(51)** Int. Cl.  
**C07J 3/00** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07J 7/00** ( 2006.01 )  
**C07J 15/00** ( 2006.01 )

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**(44)** 19.09.2024  
**(62)** 2020256400  
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**(74)** Spruson & Ferguson

**(71)** Sagun, F.  
**(11)** AU-B-2022231667  
**(21)** 2022231667                   **(22)** 12.09.2022  
**(54)** Method for treating sewage or waste water  
**(51)** Int. Cl.  
**C02F 1/461** ( 2006.01 )  
**C02F 1/46** ( 2006.01 )  
**C02F 1/66** ( 2006.01 )  
**C02F 1/68** ( 2006.01 )

**(43)** 29.09.2022  
**(44)** 19.09.2024  
**(62)** 2015261733  
**(72)** SAGUN, Feliciano  
**(74)** Spruson & Ferguson

**(71)** salesforce.com, inc.  
**(11)** AU-B-2019349429  
**(21)** 2019349429                   **(22)** 23.09.2019  
**(54)** Translation of tenant identifiers  
**(51)** Int. Cl.  
**G06F 16/22** ( 2019.01 )

**(87)** WO2020/068682  
**(31)** 16/139,889                   **(32)** 24.09.18 **(33)** US  
**(43)** 02.04.2020  
**(44)** 19.09.2024  
**(72)** FANGHAENEL, Thomas  
**(74)** Spruson & Ferguson

**(71)** Salford Group Inc.  
**(11)** AU-B-2024205617  
**(21)** 2024205617                   **(22)** 08.08.2024  
**(54)** FLOW DIVIDER FOR A SPINNER SPREADER  
**(51)** Int. Cl.  
**E01C 19/20** ( 2006.01 )  
**A01C 7/08** ( 2006.01 )  
**A01C 15/00** ( 2006.01 )

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**(74)** Kevin Ashby

**(71)** Salk Institute for Biological Studies  
**(11)** AU-B-2022291617  
**(21)** 2022291617                   **(22)** 23.12.2022  
**(54)** HIGH THROUGHPUT ASSAY FOR MEASURING ADENOVIRUS REPLICATION KINETICS  
**(51)** Int. Cl.  
**C07K 14/005** ( 2006.01 )

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**(44)** 19.09.2024  
**(62)** 2020281047  
**(72)** O'Shea, Clodagh; Partlo, William; Powers, Colin  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Salts Healthcare Limited  
**(11)** AU-B-2020253983  
**(21)** 2020253983                   **(22)** 25.03.2020  
**(54)** Ostomy pouches  
**(51)** Int. Cl.

**A61F 5/445** ( 2006.01 )  
**A61L 28/00** ( 2006.01 )  
**(87)** WO2020/201718  
**(31)** 1904455.1                   **(32)** 29.03.19 **(33)** GB  
**(43)** 08.10.2020  
**(44)** 19.09.2024  
**(72)** POWNER, Iain; TRETHERWAY, Lee; BARRON, Andrew; HILL, Donald; AL-EXANDER, Shirin  
**(74)** Michael Buck IP

**(71)** Samsung Electronics Co., Ltd.  
**(11)** AU-B-2019278733  
**(21)** 2019278733                   **(22)** 03.06.2019  
**(54)** Method and apparatus for transmitting and receiving signals in wireless vehicle communication system  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04L 25/03** ( 2006.01 )  
**H04W 72/04** ( 2009.01 )  
**H04W 74/08** ( 2009.01 )

**(87)** WO2019/231303  
**(31)** 10-2018-0063756           **(32)** 01.06.18 **(33)** KR  
**(43)** 05.12.2019  
**(44)** 19.09.2024  
**(72)** PARK, Sungjin; YEO, Jeongho; OH, Jinyoung; BAE, Taehan  
**(74)** Griffith Hack

**(71)** Samsung Electronics Co., Ltd.  
**(11)** AU-B-2023254882  
**(21)** 2023254882                   **(22)** 24.10.2023  
**(54)** ENCODING METHOD AND APPARATUS THEREFOR, AND DECODING METHOD AND APPARATUS THEREFOR  
**(51)** Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/129** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )

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**(44)** 19.09.2024  
**(62)** 2023200269  
**(72)** Yang, Heechul; Park, Minsoo  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Samsung Electronics Co., Ltd.  
**(11)** AU-B-2023254883  
**(21)** 2023254883                   **(22)** 24.10.2023  
**(54)** ENCODING METHOD AND APPARATUS THEREFOR, AND DECODING METHOD AND APPARATUS THEREFOR  
**(51)** Int. Cl.  
**H04N 19/124** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/129** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )

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**(72)** Yang, Heechul; Park, Minsoo  
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(71) SAMSUNG ELECTRONICS CO., LTD.  
 (11) AU-B-2023204637  
 (21) 2023204637 (22) 12.07.2023  
 (54) Multiplexing control information in a physical uplink data channel  
 (51) Int. Cl.  
 H04L 5/00 ( 2006.01 )  
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 (43) 03.08.2023  
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 (72) PAPASAKELLARIOU, Aris  
 (74) Griffith Hack

(71) Sandvik Mining and Construction Oy  
 (11) AU-B-2019240650  
 (21) 2019240650 (22) 03.10.2019  
 (54) MINING VEHICLE, AND METHOD FOR STARTING AN AC ELECTRIC MOTOR OF A MINING VEHICLE  
 (51) Int. Cl.  
 B60L 50/53 ( 2019.01 )  
 B60L 1/00 ( 2006.01 )  
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 (72) Tiihonen, Tommi; Vatanen, Harri; Ristimäki, Ville  
 (74) Phillips Ormonde Fitzpatrick

(71) Saudi Arabian Mining Company (Ma'aden)  
 (11) AU-B-2022202129  
 (21) 2022202129 (22) 29.03.2022  
 (54) POLLUTED CO2 CAPTURING WITH LIME PRODUCED FROM PHOSPHOGYPSUM CALCINATION USING SULFUR AS NON-CO2 FUEL  
 (51) Int. Cl.  
 C01F 11/18 ( 2006.01 )  
 C01B 25/30 ( 2006.01 )  
 C01F 11/22 ( 2006.01 )  
 (31) EP22164736.5 (32) 28.03.22 (33) EP  
 (43) 12.10.2023  
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 (72) AQEL, Malik Mohammad Odeh  
 (74) AJ PARK

(71) ScenTronix Inc.  
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 (54) Generative scent design system  
 (51) Int. Cl.  
 B01F 33/84 ( 2022.01 )  
 B01J 4/02 ( 2006.01 )  
 B67D 7/02 ( 2010.01 )  
 B67D 7/08 ( 2010.01 )  
 B67D 7/14 ( 2010.01 )  
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 (31) 62/668,224 (32) 07.05.18 (33) US  
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 (54) Compositions and treatment procedures for the treatment of pathogenic infections  
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 (54) METHOD AND APPARATUS FOR IMPLEMENTING COMMUNICATION, AND COMPUTER-READABLE MEDIUM  
 (51) Int. Cl.  
 H04W 4/06 ( 2009.01 )  
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 H04W 4/38 ( 2018.01 )  
 H04W 4/90 ( 2018.01 )  
 H04W 76/40 ( 2018.01 )  
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 (72) Wu, Tuming; Qian, Jinwei  
 (74) Madderns Pty Ltd

(71) Schneider Electric USA, Inc.  
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 (54) Systems and methods for intelligent event waveform analysis  
 (51) Int. Cl.  
 H02J 3/00 ( 2006.01 )  
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 (72) MENZEL, Johannes; BICKEL, Jon  
 (74) Madderns Pty Ltd

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 (54) Production of highly purified 212Pb  
 (51) Int. Cl.  
 G21G 1/00 ( 2006.01 )  
 A61K 51/12 ( 2006.01 )  
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 (72) LARSEN, Roy H.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (54) An impact mill and a residue processing system incorporating same  
 (51) Int. Cl.  
 A01F 12/44 ( 2006.01 )  
 A01D 41/127 ( 2006.01 )  
 B02C 13/00 ( 2006.01 )  
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 (72) BERRY, Nicholas Kane  
 (74) Integrated IP

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 (54) Method and apparatus for sex sorting of mosquitoes  
 (51) Int. Cl.  
 A01K 63/00 ( 2017.01 )  
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 (72) LEPEK, Hanan; NAVE, Tamir; FLEISCHMANN, Yoram; EISENBERG, Rom; TIROSH, Itamar  
 (74) Spruson & Ferguson

(71) Senisca Limited  
 (11) AU-B-2019309587  
 (21) 2019309587 (22) 29.07.2019  
 (54) Compositions comprising intermediate non-coding rna regulators modulating the expression of ETV6 or FOXO1 and uses thereof  
 (51) Int. Cl.  
 C07K 14/47 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
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 (74) Spruson & Ferguson

(71) Sen-Jam Pharmaceutical LLC  
 (11) AU-B-2018333952  
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 (54) Methods and compositions to inhibit symptoms associated with opioid withdrawal  
 (51) Int. Cl.  
 A61K 31/19 ( 2006.01 )  
 A61K 31/445 ( 2006.01 )  
 A61K 31/4535 ( 2006.01 )  
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**(72)** IVERSEN, Jacqueline; DAHL, Thomas A.  
**(74)** Spruson & Ferguson

**(71)** Sensile Medical AG  
**(11)** AU-B-2023226631  
**(21)** 2023226631 **(22)** 04.09.2023  
**(54)** DRUG DELIVERY DEVICE  
**(51)** Int. Cl.  
**A61M 5/142** ( 2006.01 )  
**A61M 5/158** ( 2006.01 )  
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**(43)** 28.03.2024  
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**(72)** Lagorgette, Pascal; Bürl, Fabian  
**(74)** Madderns Pty Ltd

**(71)** SERCEL, INC.  
**(11)** AU-B-2022216278  
**(21)** 2022216278 **(22)** 04.02.2022  
**(54)** DEVICE FOR MARINE SEISMIC EXPLORATIONS  
**(51)** Int. Cl.  
**G01V 1/00** ( 2006.01 )  
**G01V 1/02** ( 2006.01 )  
**G01V 1/133** ( 2006.01 )  
**G01V 1/137** ( 2006.01 )  
**G01V 1/143** ( 2006.01 )  
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**(72)** CHELMINSKI, Stephen  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Serina Therapeutics (AL), Inc.  
**(11)** AU-B-2019309523  
**(21)** 2019309523 **(22)** 27.07.2019  
**(54)** Cleavable conjugates of catechol compounds and water-soluble polymers and methods of treatment using the same  
**(51)** Int. Cl.  
**A61K 31/4192** ( 2006.01 )  
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**(31)** 62/711,427 **(32)** 27.07.18 **(33)** US  
 62/788,790 05.01.19 US  
**(43)** 30.01.2020  
**(44)** 19.09.2024  
**(72)** BENTLEY, Michael; FANG, Zhihao; WEIMER, Rebecca; VIEGAS, Tacey; MOREADITH, Randall  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** SHANXI TIANBAO GROUP CO.,LTD  
**(11)** AU-B-2022204104  
**(21)** 2022204104 **(22)** 13.06.2022  
**(54)** PUNCHING DEVICE ARRANGED ON PRESS MACHINE TO FORGE WIND POWER FLANGE BLANK

**(51)** Int. Cl.  
**B21K 23/04** ( 2006.01 )  
**B21J 9/04** ( 2006.01 )  
**B21J 13/10** ( 2006.01 )  
**B21J 13/12** ( 2006.01 )  
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**(43)** 24.08.2023  
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**(72)** Hu, Dawei; Yan, Zhilong; Liu, Junjie; Qiao, Yongqiang; Shi, Shaohua; Zhao, Yanjun; Zhang, Yanling  
**(74)** Remarkable IP

**(71)** Sharp Kabushiki Kaisha; FG Innovation Company Limited  
**(11)** AU-B-2019288071  
**(21)** 2019288071 **(22)** 20.06.2019  
**(54)** UE and communication method for same  
**(51)** Int. Cl.  
**H04W 76/18** ( 2018.01 )  
**H04W 48/18** ( 2009.01 )  
**H04W 80/10** ( 2009.01 )

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**(31)** 2018-117939 **(32)** 21.06.18 **(33)** JP  
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**(72)** ARAMOTO, Masafumi; TAKAKURA, Tsuyoshi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Shell Internationale Research Maatschappij B.V.  
**(11)** AU-B-2023203358  
**(21)** 2023203358 **(22)** 30.05.2023  
**(54)** A METHANE OXIDATION CATALYST AND A METHOD OF MAKING AND USING THEREOF  
**(51)** Int. Cl.  
**B01D 53/94** ( 2006.01 )  
**B01D 53/86** ( 2006.01 )  
**B01J 29/06** ( 2006.01 )  
**(43)** 27.07.2023  
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**(62)** 2020333841  
**(72)** TANEV, Peter Tanev; SOORHOLTZ, Mario  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
**(11)** AU-B-2022226388  
**(21)** 2022226388 **(22)** 23.02.2022  
**(54)** HIGH OCTANE UNLEADED AVIATION GASOLINE  
**(51)** Int. Cl.  
**C10L 1/06** ( 2006.01 )  
**C10L 1/02** ( 2006.01 )  
**C10L 1/10** ( 2006.01 )  
**C10L 1/14** ( 2006.01 )  
**C10L 1/16** ( 2006.01 )  
**C10L 1/18** ( 2006.01 )  
**C10L 1/182** ( 2006.01 )  
**C10L 1/223** ( 2006.01 )  
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**(31)** 63/153,097 **(32)** 24.02.21 **(33)** US  
**(43)** 01.09.2022

**(44)** 19.09.2024  
**(72)** BENNIS, Hanane Belmokaddem; SHEA, Timothy Michael  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Shenzhen Aiper Intelligent Co., Ltd.  
**(11)** AU-B-2023202604  
**(21)** 2023202604 **(22)** 28.04.2023  
**(54)** Robot Swimming Pool Cleaner  
**(51)** Int. Cl.  
**E04H 4/16** ( 2006.01 )  
**(31)** 2022224655537 **(32)** 06.09.22 **(33)** CN  
**(43)** 21.03.2024  
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**(72)** Wang, Yang; Yu, Xueliang; Luo, Yangchun  
**(74)** Collison & Co

**(71)** SH GROUP A/S  
**(11)** AU-B-2021351106  
**(21)** 2021351106 **(22)** 11.06.2021  
**(54)** LIFT AND METHOD FOR LIFTING EQUIPMENT MODULES  
**(51)** Int. Cl.  
**B63B 27/16** ( 2006.01 )  
**B63B 27/00** ( 2006.01 )  
**B66F 7/10** ( 2006.01 )  
**B66F 7/28** ( 2006.01 )  
**B66F 9/14** ( 2006.01 )  
**B66F 9/18** ( 2006.01 )

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 BA 2021 00044 18.05.21 DK  
**(43)** 07.04.2022  
**(44)** 19.09.2024  
**(72)** PRÆST, Lars  
**(74)** Armour IP

**(71)** Shinkei Therapeutics, Inc.  
**(11)** AU-B-2018345723  
**(21)** 2018345723 **(22)** 03.10.2018  
**(54)** Dextromethorphan transdermal delivery device  
**(51)** Int. Cl.  
**A61K 31/437** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/4468** ( 2006.01 )  
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**(43)** 11.04.2019  
**(44)** 19.09.2024  
**(72)** BORSADIA, Suresh  
**(74)** Spruson & Ferguson

**(71)** SHOUGANG GROUP CO., LTD.; BEIJING SHOUGANG CO., LTD.  
**(11)** AU-B-2021348595  
**(21)** 2021348595 **(22)** 24.09.2021  
**(54)** 700 MPA GRADE HOT-FORMED AXLE HOUSING STEEL AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
**C22C 38/02** ( 2006.01 )  
**B21C 37/02** ( 2006.01 )  
**C22C 33/04** ( 2006.01 )

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**C22C 38/26** ( 2006.01 )  
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(74) Remarkable IP
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- (71) Sicreations, LLC  
(11) AU-B-2020283036  
(21) 2020283036 (22) 29.05.2020  
(54) Methods for preserving a subject and using imaging contrast agents  
(51) Int. Cl.  
**A61K 49/00** ( 2006.01 )  
**C07D 209/12** ( 2006.01 )  
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(72) ECHOLS, Michael Scott  
(74) Spruson & Ferguson
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- (71) Skechers U.S.A., Inc. II  
(11) AU-B-2024202505  
(21) 2024202505 (22) 17.04.2024  
(54) Footwear counter for easier entry and removal  
(51) Int. Cl.  
**A43B 23/17** ( 2006.01 )  
**A43B 11/00** ( 2006.01 )  
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**A43B 23/08** ( 2006.01 )  
A43B 21/26 ( 2006.01 )  
A43B 21/32 ( 2006.01 )  
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- (71) Skylark Bioscience LLC  
(11) AU-B-2019336597  
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(54) Amp-activated protein kinase activating compounds and uses thereof  
(51) Int. Cl.  
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(72) SAUNDERS, Oliver  
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Smiths Medical ASD, Inc.  
(11) AU-B-2023203163  
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(54) Closed system catheter  
(51) Int. Cl.  
**A61M 25/00** ( 2006.01 )  
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- (71) Societe des Produits Nestle S.A.  
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(54) Complexes of high isoelectric point proteins with casein  
(51) Int. Cl.  
**A23J 3/08** ( 2006.01 )  
**A23J 3/10** ( 2006.01 )  
**A23K 20/147** ( 2016.01 )  
**A23L 33/19** ( 2016.01 )  
**A61K 8/64** ( 2006.01 )  
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- (71) Societe des Produits Nestle S.A.  
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(54) Synthetic nutritional compositions tailored for infants of specific ages, and nutritional systems comprising them  
(51) Int. Cl.  
**A23L 33/00** ( 2016.01 )  
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(51) Int. Cl.  
**C11C 3/00** ( 2006.01 )  
**A23K 20/158** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**A23L 33/00** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )  
**C11C 3/10** ( 2006.01 )
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(72) BLANCHARD, Carine; DESTAILLATS, Frederic; FORBES-BLOM, Elizabeth; OERTLING, Heiko; PATIN, Amaury; WOOSTER, Timothy James  
(74) Spruson & Ferguson
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- (71) Soffer, G.  
(11) AU-B-2019205139  
(21) 2019205139 (22) 02.01.2019  
(54) A device to be deployed and retained in two opposite cavities  
(51) Int. Cl.  
**A61F 11/00** ( 2006.01 )
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(31) 256701 (32) 02.01.18 (33) IL  
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(72) SOFFER, Guy  
(74) FPA Patent Attorneys Pty Ltd
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- (71) SoilPro Pty Ltd  
(11) AU-B-2019202210  
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(54) A POINT ASSEMBLY  
(51) Int. Cl.  
**A01C 5/06** ( 2006.01 )  
**A01B 15/02** ( 2006.01 )  
**A01B 35/22** ( 2006.01 )  
**A01C 7/00** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )
- (31) 2018901610 (32) 10.05.18 (33) AU  
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(72) GLENN, Michael; GLENN, Geoffrey  
(74) Integrated IP
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- (71) Solventum Intellectual Properties Company  
(11) AU-B-2018355151  
(21) 2018355151 (22) 22.10.2018  
(54) Area management of tissue sites on articulating joints  
(51) Int. Cl.  
**A61F 13/00** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )
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(43) 02.05.2019  
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(72) KAZALA, Richard Marvin; RANDOLPH, Larry Tab; PERKINS, Luke; SANDOVAL, Enrique L.  
(74) Spruson & Ferguson



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 (21) 2019407687 (22) 06.12.2019  
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 (51) Int. Cl.  
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**(51)** Int. Cl.

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**F27D 3/15** ( 2006.01 )  
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**H02J 13/00** ( 2006.01 )  
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*G01T 1/29* ( 2006.01 )  
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*A61K 35/12* ( 2015.01 )  
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*H01Q 1/28* ( 2006.01 )  
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*H04L 9/40* ( 2022.01 )  
*H04W 72/044* ( 2023.01 )  
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*C07C 17/25* ( 2006.01 )  
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*C07C 21/18* ( 2006.01 )  
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**B05C 17/02** ( 2006.01 )  
**B25G 1/10** ( 2006.01 )  
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**B29C 55/18** ( 2006.01 )  
**B29D 7/01** ( 2006.01 )  
**B31B 70/00** ( 2017.01 )  
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 (51) Int. Cl.  
**H02J 7/04** ( 2006.01 )  
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 (51) Int. Cl.  
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 B09B 3/00 ( 2022.01 )  
 C05F 3/00 ( 2006.01 )  
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 (51) Int. Cl.  
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 A61B 5/0205 ( 2006.01 )  
 A61B 5/145 ( 2006.01 )  
 A61M 39/02 ( 2006.01 )  
 A61B 5/0215 ( 2006.01 )  
 A61B 5/06 ( 2006.01 )  
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 (51) Int. Cl.  
 C12P 19/02 ( 2006.01 )  
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 C12P 7/58 ( 2006.01 )  
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 (51) Int. Cl.  
 C07D 513/22 ( 2006.01 )  
 A61K 31/437 ( 2006.01 )  
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 A61H 5/00 ( 2006.01 )

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**(51)** Int. Cl.  
**H02K 21/12** ( 2006.01 )  
**G07F 17/34** ( 2006.01 )  
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**(51)** Int. Cl.  
**H02J 50/00** ( 2016.01 )  
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**H04W 4/80** ( 2018.01 )  
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**A61K 31/198** ( 2006.01 )  
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**(21)** 2023200313 **(22)** 20.01.2023  
**(54)** IMAGE GENERATION DEVICE  
**(51)** Int. Cl.  
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**A61B 1/00** ( 2006.01 )  
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**G06T 7/00** ( 2017.01 )  
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**(72)** Hwang, Kyungmin; Jeong, Ki Hun  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(21)** 2021286653 **(22)** 10.06.2021  
**(54)** Multi-branch intraluminal devices and methods of making and using same  
**(51)** Int. Cl.  
**A61F 2/07** ( 2013.01 )  
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**E01C 13/08** ( 2006.01 )  
**B32B 5/02** ( 2006.01 )  
**B32B 5/22** ( 2006.01 )  
**B32B 5/24** ( 2006.01 )  
**B32B 5/26** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61F 6/08** ( 2006.01 )  
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**C12Q 1/68** ( 2018.01 )  
**C07H 21/04** ( 2006.01 )  
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**F24F 11/30** ( 2018.01 )  
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**F24F 110/40** ( 2018.01 )  
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 (51) Int. Cl.  
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**H04N 7/18** ( 2006.01 )  
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 (54) Baby Carriage  
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 (54) Fatigue-resistant layered elastomer  
 (51) Int. Cl.  
**D04H 3/011** ( 2012.01 )  
**A47C 27/12** ( 2006.01 )  
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 (74) Davies Collision Cave Pty Ltd

(71) Xard Group Pty Ltd  
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 (54) APPARATUS AND METHOD FOR EXTERNALLY CONTROLLING A DIGITAL TRANSACTION PROCESSING UNIT (DTPU)  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**G06Q 20/34** ( 2012.01 )  
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**A61K 31/436** ( 2006.01 )  
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**C07K 7/64** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**A61K 101/02** ( 2006.01 )  
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**A61C 5/42** ( 2017.01 )  
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**A61B 17/30** ( 2006.01 )  
**A61C 3/10** ( 2006.01 )  
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(51) Int. Cl.  
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**G06K 7/10** ( 2006.01 )  
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**H02J 7/00** ( 2006.01 )  
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**C12N 5/0783** ( 2010.01 )  
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(51) Int. Cl.  
**B66B 5/28** ( 2006.01 )  
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(74) Remarkable IP

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(54) INACTIVE TELOMERASE, ADENOVIRUS ASSOCIATED VIRUS AND ARTIFICIAL MRNA HAVING SAME AND USE THEREOF

(51) Int. Cl.  
**C12N 9/12** ( 2006.01 )  
**A61K 38/45** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )  
(87) WO2022/063108  
(31) 202010999930.8 (32) 22.09.20 (33) CN  
(43) 31.03.2022  
(44) 19.09.2024  
(72) ZHANG, Jiahao; ZENG, Xue  
(74) Madderns Pty Ltd

(71) Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd; nthalmic holding Pty Ltd  
(11) AU-B-2022246371  
(21) 2022246371 (22) 04.10.2022  
(54) Apparatus and methods of spectacle solutions for myopia

(51) Int. Cl.  
**G02C 7/06** ( 2006.01 )  
**G02C 7/08** ( 2006.01 )  
(43) 27.10.2022  
(44) 19.09.2024  
(62) 2020353383  
(72) Bakaraju, Ravi Chandra  
(74) FPA Patent Attorneys Pty Ltd

(71) Zimmer, Inc.  
(11) AU-B-2023203769  
(21) 2023203769 (22) 16.06.2023  
(54) SYSTEMS FOR GUIDED REAMING OF COMPLEX SHAPES

(51) Int. Cl.  
**A61F 2/46** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61F 2/38** ( 2006.01 )  
(31) 63/353,802 (32) 20.06.22 (33) US  
63/434,593 22.12.22 US  
(43) 18.01.2024  
(44) 19.09.2024  
(72) Yoko, Tim; Vandiepenbos, Jeffery A.; Azbell, Joseph Arthur  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zynerba Pharmaceuticals, Inc.  
(11) AU-B-2018343256  
(21) 2018343256 (22) 27.09.2018

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- (54) Treatment of Fragile X Syndrome with  
cannabidiol
- (51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )
- (87) WO2019/064234
- (31) 62/632,532           (32) 20.02.18 (33) US  
62/564,834           28.09.17       US
- (43) 04.04.2019
- (44) 19.09.2024
- (72) BONN-MILLER, Marcel; TICH, Nancy;  
GUTTERMAN, Donna; MESSEN-  
HEIMER, John; SEBREE, Terri
- (74) Davies Collison Cave Pty Ltd

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| <b>2017228542</b> | Laboratorius Microsules Uruguay S.A.   | <b>2018365773</b> | The Glad Products Company  |
| <b>2017306558</b> | University of South Florida  | <b>2018366709</b> | Klein, A.  |
| <b>2017319318</b> | Tiziana Life Sciences plc  | <b>2018367955</b> | National Steel Car Limited   |
| <b>2017320520</b> | GELITA AG  | <b>2018368716</b> | Living Proof, Inc.   |
| <b>2017345387</b> | Enzene Biosciences Limited   | <b>2018369437</b> | Dow Global Technologies LLC  |
| <b>2017365367</b> | Merck Patent GmbH  | <b>2018369906</b> | Applied Medical Resources Corporation  |
| <b>2017366870</b> | Regeneron Pharmaceuticals, Inc.  | <b>2018371140</b> | Harrison, T.   |
| <b>2017428251</b> | Knauf Gips KG  | <b>2018371216</b> | Oslo University Hospital HF  |
| <b>2017445093</b> | Laxxon Medical AG; Exentis Knowledge GmbH                                    | <b>2018371262</b> | Consejo Nacional de Investigaciones Cientificas y Tecnicas Conicet; Universidad Nacional de Cuyo   |
| <b>2018205128</b> | The Boeing Company   | <b>2018374203</b> | Watershed Geosynthetics LLC  |
| <b>2018205234</b> | Iovance Biotherapeutics, Inc.  | <b>2018374745</b> | Illinois Tool Works Inc.   |
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| <b>2018217443</b> | Imunotick Pesquisa e Desenvolvimento Tecnologico S.A.; Fundação Butantan     | <b>2018378348</b> | Sunovion Pharmaceuticals Inc.  |
| <b>2018222895</b> | ENSPEC Pty Ltd   | <b>2018379083</b> | Pavini, M.   |
| <b>2018222908</b> | Mettler Packaging Pty Ltd.   | <b>2018379146</b> | LACE   |
| <b>2018226390</b> | Illinois Tool Works Inc.   | <b>2018382470</b> | Societe des Produits Nestle S.A.   |
| <b>2018229456</b> | ASSA ABLOY Australia Pty Limited   | <b>2018382796</b> | Compagnie Generale Des Etablissements Michelin   |
| <b>2018230756</b> | The United States of America, as represented by the Secretary of Agriculture | <b>2018383079</b> | Ashkal Developments Limited  |
| <b>2018232886</b> | Berlin-Chemie AG   | <b>2018387661</b> | Avient Protective Materials B.V.   |
| <b>2018235092</b> | Orega Biotech SAS; Innate Pharma   | <b>2018389238</b> | Abiomed, Inc.  |
| <b>2018241252</b> | The University Of Queensland   | <b>2018389969</b> | IFP Energies nouvelles; Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement; Agro Industries Recherche et Developpement |
| <b>2018244426</b> | Endo Ventures Limited  | <b>2018390560</b> | C. R. Bard, Inc.   |
| <b>2018244459</b> | Genomatica, Inc.   | <b>2018390918</b> | Societe des Produits Nestle S.A.   |
| <b>2018244638</b> | University of Leicester  | <b>2018392838</b> | Invacare International GmbH  |
| <b>2018251830</b> | Revatis SA   | <b>2018392895</b> | Crop's Fruit   |
| <b>2018252185</b> | European Molecular Biology Laboratory  | <b>2018396107</b> | Arthrex, Inc.  |
| <b>2018252187</b> | IMBA - Institut für Molekulare Biotechnologie GmbH                           | <b>2018400392</b> | The University of Bristol  |
| <b>2018253088</b> | EpicentRx, Inc.  | <b>2018403072</b> | Systems Spray-Cooled, Inc.   |
| <b>2018256485</b> | Aneeta Window Systems (Vic) Pty Ltd  | <b>2018407666</b> | Techtronic Cordless GP   |
| <b>2018256501</b> | Hawthorne Holdings Pty Ltd   | <b>2018409802</b> | Halliburton Energy Services, Inc.  |
| <b>2018258676</b> | Amgen Inc.   | <b>2018409857</b> | Bausch & Lomb Incorporated   |
| <b>2018260183</b> | IMBA - Institut für Molekulare Biotechnologie GmbH                           | <b>2018410667</b> | Electrolux do Brasil S.A.  |
| <b>2018263059</b> | Schaub, W.   | <b>2018417950</b> | Southwest Research Institute   |
| <b>2018282124</b> | N-Gene Research Laboratories, Inc.   | <b>2018427184</b> | K.J. Manufacturing Co.   |
| <b>2018282341</b> | Britax Romer Kindersicherheit GmbH   | <b>2018431310</b> | Swissinno Solutions AG   |
| <b>2018282362</b> | Britax Romer Kindersicherheit GmbH   | <b>2018433784</b> | Britax Childcare (Zhongshan) Company Limited   |
| <b>2018282371</b> | Caterpillar Inc.   | <b>2018434700</b> | Prysmian S.p.A.  |
| <b>2018287316</b> | Prometic Biotherapeutics, Inc.   | <b>2018436721</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD.  |
| <b>2018287737</b> | TECHTRONIC CORDLESS GP   | <b>2018441170</b> | Heineken Supply Chain B.V.   |
| <b>2018289581</b> | Velosbio Inc.  | <b>2018441273</b> | Ueda, I.   |
| <b>2018294314</b> | Bristol-Myers Squibb Company   | <b>2018447787</b> | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   |
| <b>2018295914</b> | Senecio Ltd.   | <b>2018455860</b> | NTT DOCOMO, INC.   |
| <b>2018297171</b> | Children's Medical Center Corporation  | <b>2018455874</b> | Halliburton Energy Services, Inc.  |
| <b>2018300071</b> | Sustained Nano Systems LLC   | <b>2019200215</b> | Eyesense GmbH  |
| <b>2018300080</b> | Sustained Nano Systems LLC   | <b>2019201025</b> | Woodford, N.; Woodford, C.N.   |
| <b>2018300272</b> | Orbsen Therapeutics Limited  | <b>2019202154</b> | EVERDIGM Corp.   |
| <b>2018303164</b> | Genovie AB   | <b>2019202210</b> | SoilPro Pty Ltd  |
| <b>2018304232</b> | Valmont Industries, Inc.   | <b>2019202320</b> | VIDEO GAMING TECHNOLOGIES, INC.  |
| <b>2018306329</b> | Janssen Pharmaceutica NV   | <b>2019203690</b> | Prysmian S.p.A.  |
| <b>2018306661</b> | Harbo Technologies Ltd.  | <b>2019203779</b> | Comfor Tek Seating Inc.  |
| <b>2018326405</b> | No Rock Cafe Tables Pty Ltd  | <b>2019203990</b> | Getinge Life Science France  |
| <b>2018333033</b> | Oxular Limited   | <b>2019204300</b> | MOLIBDENOS Y METALES S.A.  |
| <b>2018333952</b> | Sen-Jam Pharmaceutical LLC   | <b>2019204436</b> | TYR Tactical, LLC  |
| <b>2018335449</b> | Casa Vigar, S.L.   | <b>2019204635</b> | Winfield Solutions, LLC  |
| <b>2018336143</b> | Parts Solution S.r.l.; Gruppo Tosetto S.r.l.                                 | <b>2019204778</b> | Deere & Company  |
| <b>2018343256</b> | Zynerba Pharmaceuticals, Inc.  | <b>2019205139</b> | Soffer, G.   |
| <b>2018345627</b> | Baxter International Inc.; Baxter Healthcare SA                              | <b>2019206386</b> | Qualcomm Incorporated  |
| <b>2018345723</b> | Shinkei Therapeutics, Inc.   | <b>2019209289</b> | J.H. Fletcher & Co.  |
| <b>2018352479</b> | Navi Medical Technologies Pty Ltd  | <b>2019209555</b> | Nuvera Fuel Cells, LLC   |
| <b>2018355151</b> | Solvantum Intellectual Properties Company                                    | <b>2019210071</b> | In-Situ, Inc.  |
| <b>2018358089</b> | Grains Research and Development Corporation (GRDC)                           | <b>2019210707</b> | Psykinetic Pty Ltd   |
| <b>2018359515</b> | Arrowhead Pharmaceuticals, Inc.  | <b>2019214954</b> | Honeywell International Inc.   |
| <b>2018360389</b> | Aurigene Oncology Limited; Curis, Inc  | <b>2019215685</b> | Fresenius Medical Care Deutschland GmbH  |
| <b>2018360766</b> | RAPT Therapeutics, Inc.  |                   |  |
| <b>2018363887</b> | Strata Innovations Pty Limited   |                   |  |

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| <b>2019218240</b> | Imagine Scientific, Inc.   | <b>2019311338</b> | Aqualand Industries Limited  |
| <b>2019218717</b> | Veltek Associates, Inc.  | <b>2019312721</b> | KASAVALA, D.; ARYASOMAYAJULA, S.   |
| <b>2019219240</b> | AMO Groningen B.V.   | <b>2019313413</b> | Enpulsion GmbH   |
| <b>2019220603</b> | BAE Systems plc  | <b>2019315022</b> | Blue Bean Medical Limited  |
| <b>2019221812</b> | Wirth Doors Limited  | <b>2019316518</b> | Novadelta - Comércio e Indústria de Cafés, Lda.  |
| <b>2019224109</b> | Veyezer, LLC   | <b>2019319671</b> | Jupeng Bio (HK) Limited  |
| <b>2019226095</b> | Outrider Technologies, Inc.  | <b>2019319766</b> | GroundProbe Pty Ltd  |
| <b>2019226157</b> | IGT  | <b>2019320487</b> | Naturex S.A.   |
| <b>2019226561</b> | Ecolab USA Inc.  | <b>2019320977</b> | Haldor Topsøe A/S  |
| <b>2019229223</b> | Casale SA  | <b>2019324004</b> | JURA Elektroapparate AG  |
| <b>2019229322</b> | Sumitomo Rubber Industries, Ltd.   | <b>2019333008</b> | The University Of Sheffield  |
| <b>2019231105</b> | Joint Innovation Technology, LLC   | <b>2019333261</b> | De-Ice Technologies, Inc.  |
| <b>2019233913</b> | Watkins-Conti Products, Inc.   | <b>2019336597</b> | Skylark Bioscience LLC   |
| <b>2019236394</b> | Kongsberg Beam Technology AS   | <b>2019338710</b> | Invacare International GmbH  |
| <b>2019237545</b> | Daly, T.   | <b>2019340354</b> | Hilti Aktiengesellschaft   |
| <b>2019238181</b> | CiDRA Corporate Services LLC   | <b>2019343158</b> | Modine LLC   |
| <b>2019238574</b> | Seed Terminator Holdings Pty Ltd   | <b>2019345015</b> | BASF SE  |
| <b>2019240264</b> | RAI Strategic Holdings, Inc.   | <b>2019349142</b> | Sumitomo Forestry Co., Ltd.  |
| <b>2019240353</b> | Elbit Systems Electro-Optics Elop Ltd.                                   | <b>2019349429</b> | salesforce.com, inc.   |
| <b>2019240650</b> | Sandvik Mining and Construction Oy                                       | <b>2019351019</b> | Research Development Foundation  |
| <b>2019240763</b> | Spacedraft Pty Ltd   | <b>2019357722</b> | Itron, Inc.  |
| <b>2019242026</b> | DDP Specialty Electronic Materials US, LLC                               | <b>2019359128</b> | Hollister Incorporated   |
| <b>2019243434</b> | ConocoPhillips Company   | <b>2019359300</b> | Masimo Corporation   |
| <b>2019245787</b> | BASF SE  | <b>2019359502</b> | Nxera Pharma UK Limited  |
| <b>2019247222</b> | Schneider Electric USA, Inc.   | <b>2019360446</b> | Yuhan Corporation  |
| <b>2019247382</b> | Celgard, LLC   | <b>2019361097</b> | Iconex LLC   |
| <b>2019250783</b> | E M & I (Maritime) Limited   | <b>2019361306</b> | VoltAero   |
| <b>2019252550</b> | BioLife Solutions, Inc.  | <b>2019361356</b> | ResMed Pty Ltd   |
| <b>2019256775</b> | Rotech Group Limited   | <b>2019362667</b> | FPT Industrial S.p.A.  |
| <b>2019261450</b> | Biogen MA Inc.; Neurimmune AG  | <b>2019363604</b> | The Chemours Company FC, LLC   |
| <b>2019261606</b> | Qualcomm Incorporated  | <b>2019363728</b> | Terapet Ltd.   |
| <b>2019262648</b> | Albemarle Corporation  | <b>2019365023</b> | Nacon  |
| <b>2019264526</b> | Heraeus Electro-Nite International N.V.                                  | <b>2019366224</b> | Boxfish Research Limited   |
| <b>2019266237</b> | ScenTronix Inc.  | <b>2019374820</b> | Trustees of Tufts College  |
| <b>2019270160</b> | Catalog Technologies, Inc.   | <b>2019375731</b> | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   |
| <b>2019270472</b> | Worg Pharmaceuticals (Zhejiang) Co., Ltd.                                | <b>2019380410</b> | Netflix, Inc.  |
| <b>2019274530</b> | Celgene Corporation  | <b>2019380627</b> | Orano Mining; Commissariat à l'Énergie Atomique et aux Énergies Alternatives                 |
| <b>2019275202</b> | Epiroc Rock Drills Aktiebolag  | <b>2019381713</b> | SPEX SamplePrep, LLC   |
| <b>2019275363</b> | Illinois Tool Works Inc.   | <b>2019384549</b> | Veris Health Inc.  |
| <b>2019275902</b> | Societe des Produits Nestle S.A.   | <b>2019385570</b> | Casale SA  |
| <b>2019277966</b> | Huawei Technologies Co., Ltd.  | <b>2019386250</b> | SWM Luxembourg   |
| <b>2019278733</b> | Samsung Electronics Co., Ltd.  | <b>2019390242</b> | Hollister Incorporated   |
| <b>2019279092</b> | ProjectD, LLC  | <b>2019395708</b> | Wntresearch AB   |
| <b>2019280514</b> | Bayer Animal Health GmbH   | <b>2019407687</b> | Sony Group Corporation   |
| <b>2019281356</b> | Alcon Inc.   | <b>2019408382</b> | Universite de Strasbourg; INSERM (Institut National de la Santé et de la Recherche Médicale) |
| <b>2019282259</b> | De Rochemont, L.   | <b>2019409490</b> | Linde GmbH   |
| <b>2019282411</b> | PureCircle USA Inc.  | <b>2019417738</b> | Crystal Lagoons Technologies, Inc.   |
| <b>2019282578</b> | PerkinElmer Health Sciences, Inc.  | <b>2019438995</b> | Amphastar Pharmaceuticals, Inc.  |
| <b>2019285082</b> | KWS SAAT SE & Co. KGaA   | <b>2019470001</b> | Nomax Therapeutics Inc.  |
| <b>2019285351</b> | Panasonic Intellectual Property Corporation of America                   | <b>2019473170</b> | Exolaunch GmbH   |
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| <b>2019289884</b> | Ariceum Therapeutics GmbH  | <b>2020227664</b> | Cisco Technology, Inc.   |
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| <b>2019303245</b> | Casale SA  | <b>2020318892</b> | Cisco Technology, Inc.   |
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| <b>2019304526</b> | AiCuris GmbH & Co. KG; Friedrich-Alexander-Universität Erlangen-Nürnberg | <b>2020331938</b> | Amsted Rail Company, Inc.  |
| <b>2019305467</b> | Caterpillar Inc.   | <b>2020336724</b> | Beijing Wehand-Bio Pharmaceutical Co., Ltd; Guangxi Wehand-Bio Pharmaceutical Co., Ltd       |
| <b>2019306113</b> | Development Center for Biotechnology                                     | <b>2020347724</b> | Fujian Akeylink Biotechnology Co., Ltd.  |
| <b>2019306282</b> | Nutreco IP Assets B.V.   | <b>2020357489</b> | Halliburton Energy Services, Inc.  |
| <b>2019309426</b> | BioGaia AB   | <b>2020367548</b> | La Marzocco S.r.l.   |
| <b>2019309447</b> | Liebherr-Mining Equipment Colmar SAS                                     | <b>2020372991</b> | Terumo Cardiovascular Systems Corporation  |
| <b>2019309523</b> | Serina Therapeutics (AL), Inc.   | <b>2020378500</b> | Qingdao KingAgroot Chemical Compound Co., Ltd.   |
| <b>2019309587</b> | Senisca Limited  |                   |  |

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| 2020398382 | Sciencons AS  | 2021365838 | TISSUE TESTING TECHNOLOGIES LLC                               |
| 2020399175 | Ocado Innovation Limited  | 2021366379 | NICOVENTURES TRADING LIMITED                                  |
| 2020408469 | Beijing AI-Robotics Technology Co., Ltd.  | 2021367592 | KOREA INSTITUTE OF RADIOLOGICAL & MEDICAL SCIENCES            |
| 2020411823 | Zhaotai Immugene Biomedicine (Hong Kong) Limited  | 2021371515 | KABUSHIKI KAISHA EARTHTECHNICA                                |
| 2020412766 | 10X Genomics, Inc.  | 2021375837 | HITACHI, LTD.   |
| 2020448169 | Bolts One Co., Ltd.   | 2021376217 | COLGATE-PALMOLIVE COMPANY                                     |
| 2020480581 | BEIJING GUANGHE NEW ENERGY TECHNOLOGY CO., LTD.   | 2021376273 | COLGATE-PALMOLIVE COMPANY                                     |
| 2021202598 | ADMA BioManufacturing, LLC  | 2021376527 | INTERNATIONAL BUSINESS MACHINES CORPORATION                   |
| 2021204279 | Nextremity Solutions, Inc.  | 2021377591 | THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH         |
| 2021206184 | Anduril Industries, Inc.  | 2021383919 | PAYPAL, INC.  |
| 2021207961 | Qingdao KingAgroot Chemical Compound Co., Ltd.  | 2021391294 | NELSON IRRIGATION CORPORATION                                 |
| 2021209068 | Aspen Neuroscience, Inc.  | 2021392894 | GLAXOSMITHKLINE BIOLOGICALS SA                                |
| 2021209157 | Intricate Electrical Systems Pty Ltd  | 2021393378 | HENDRICKSON USA, L.L.C.                                       |
| 2021212141 | Synlogic Operating Company, Inc.  | 2021398202 | HUAWEI TECHNOLOGIES CO., LTD.                                 |
| 2021213611 | Nippon Soda Co., Ltd.   | 2021399528 | NANJING SHIJIANG MEDICINE TECHNOLOGY CO., LTD                 |
| 2021215095 | Translate Bio, Inc.; Ethris GmbH  | 2021401354 | HENDRICKSON USA, L.L.C.                                       |
| 2021218213 | Regeneron Pharmaceuticals, Inc.   | 2021409471 | TMRW LIFE SCIENCES, INC.                                      |
| 2021221258 | BMT Limited   | 2021413356 | W. L. GORE & ASSOCIATES, INC.                                 |
| 2021225003 | Wonderland Switzerland AG   | 2021415703 | CHINT NEW ENERGY TECHNOLOGY CO., LTD.                         |
| 2021225363 | AIC246 AG & Co. KG  | 2021416193 | PRECEPTIS MEDICAL, INC.                                       |
| 2021228240 | AIC246 AG & Co. KG  | 2021430980 | INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES |
| 2021232750 | The Regents of the University of California   | 2021436028 | MITSUBISHI ELECTRIC CORPORATION                               |
| 2021240242 | Torque Fitness, LLC   | 2021436674 | UOP LLC   |
| 2021241499 | Boston Scientific Scimed, Inc.  | 2021439254 | INNOMOTICS GMBH   |
| 2021241639 | Jubilant Pharma Holdings Inc.   | 2021450828 | UPSIDE FOODS, INC.  |
| 2021248263 | Nomoreitis B.V.   | 2021454419 | ENVISION ENERGY CO., LTD                                      |
| 2021250973 | Adimab, LLC   | 2021460024 | HALLIBURTON ENERGY SERVICES, INC.                             |
| 2021251187 | The Procter & Gamble Company  | 2022200108 | Amgen Inc.; Kite Pharma, Inc.                                 |
| 2021258387 | Inventio AG   | 2022200667 | Quest Diagnostics Investments LLC; Clinical Genomics Pty Ltd  |
| 2021260298 | Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.                                     | 2022201077 | Fisher & Paykel Healthcare Limited                            |
| 2021266291 | William Marsh Rice University   | 2022201330 | The Scripps Research Institute                                |
| 2021269291 | Illumina, Inc; Illumina Cambridge Limited   | 2022201407 | Kolon Life Science, Inc.; Kolon TissueGene, Inc.              |
| 2021269417 | Caris Science, Inc.   | 2022201754 | Huawei Technologies Co., Ltd.                                 |
| 2021269832 | AstraZeneca AB  | 2022201857 | Global Algae Technology, LLC                                  |
| 2021272714 | Bambino Prezioso Switzerland AG   | 2022202004 | The Regents of the University of California                   |
| 2021277737 | Illumina, Inc.  | 2022202129 | Saudi Arabian Mining Company (Ma'aden)                        |
| 2021278379 | The University of Sydney  | 2022202248 | Inscripta, Inc.   |
| 2021281159 | Vedicinals India Private Limited  | 2022202580 | Revivacor Inc   |
| 2021286653 | W. L. Gore & Associates, Inc.   | 2022202794 | Edwards Lifesciences Corporation                              |
| 2021291000 | Bambino Prezioso Switzerland AG   | 2022203797 | Fisher & Paykel Healthcare Limited                            |
| 2021293177 | W. L. Gore & Associates, Inc.   | 2022203846 | Impossible Foods Inc.   |
| 2021294350 | Colgate-Palmolive Company   | 2022203861 | AXSOME THERAPEUTICS, INC.                                     |
| 2021295580 | Chemcom S.A.  | 2022204104 | SHANXI TIANBAO GROUP CO., LTD                                 |
| 2021300435 | The Gillette Company LLC  | 2022204437 | Fisher & Paykel Healthcare Limited                            |
| 2021302873 | International Business Machines Corporation   | 2022204460 | Nuseed Nutritional Australia Pty Ltd                          |
| 2021303584 | Bambino Prezioso Switzerland AG   | 2022204682 | DEKA Products Limited Partnership                             |
| 2021308016 | Wuxi Keyi New Material Co., Ltd.  | 2022204740 | Source Global, PBC  |
| 2021319485 | China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd. | 2022204765 | NINGBO FOTILE KITCHEN WARE CO., LTD.                          |
| 2021322816 | Telefonaktiebolaget LM Ericsson (Publ)  | 2022204879 | VIDEO GAMING TECHNOLOGIES, INC.                               |
| 2021323750 | Huawei Technologies Co., Ltd.   | 2022204905 | Fisher & Paykel Healthcare Limited                            |
| 2021329704 | Tsinghua University   | 2022205157 | Sage Therapeutics, Inc.                                       |
| 2021331004 | Nuovo Pignone Technologie - S.r.l.  | 2022205198 | APR APPLIED PHARMA RESEARCH S.A.                              |
| 2021336223 | Apple Inc.  | 2022206352 | BAMBINO PREZIOSO SWITZERLAND AG                               |
| 2021338748 | Li, X.  | 2022206773 | Stevenson, R.A.; Stevenson, W.L.                              |
| 2021340327 | Fujikura Ltd.   | 2022206835 | B-TEMIA INC.  |
| 2021343048 | Hisense Refrigerator Co., Ltd.  | 2022209250 | Milwaukee Electric Tool Corporation                           |
| 2021344975 | GOOGLE LLC  | 2022211922 | Edwards Lifesciences Corporation                              |
| 2021345713 | QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.                                    | 2022213744 | Brück, T.; Arnold, U.; Kuse, K.                               |
| 2021348400 | International Business Machines Corporation   | 2022213843 | CDGM Glass Co., Ltd   |
| 2021348595 | SHOUGANG GROUP CO., LTD.; BEIJING SHOUGANG CO., LTD.  | 2022214582 | KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY               |
| 2021349825 | ZHEJIANG JUVENSIS THERAPEUTICS CO., LTD.; NANJING JUVENSIS THERAPEUTICS CO., LTD.                   | 2022215273 | RevAir, LLC; Thomason, S.; Cooper, F.; Isaacson, D.           |
| 2021351106 | SH GROUP A/S  | 2022216278 | SERCEL, INC.  |
| 2021352012 | Nippon Steel Corporation  | 2022217094 | DAEWOONG CO., LTD.  |
| 2021362638 | JEON, J.E.  |            |   |

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| 2022218567 | Dexcom, Inc.  | 2023200313 | VPIX Medical Incorporation                              |
| 2022220540 | QUALCOMM INCORPORATED   | 2023200353 | Yan, P.   |
| 2022221382 | Vistagen Therapeutics, Inc  | 2023200582 | AdvanSix Resins & Chemicals LLC                         |
| 2022224710 | DJO, LLC  | 2023200586 | Verily Life Sciences LLC                                |
| 2022224837 | Indian Ocean Engineering Pty Ltd  | 2023200787 | GE Oil & Gas, Inc.                                      |
| 2022226388 | SHELL INTERNATIONALE RESEARCH MAATSCHAP-<br>PIJ B.V.  | 2023200873 | The Regents of the University of Michigan               |
| 2022228114 | Transportation IP Holdings, LLC   | 2023200878 | Hefei Zero Carbon Technology Co., Ltd                   |
| 2022228123 | Wi-Tronix, LLC  | 2023200889 | Tritana Intellectual Property Ltd.                      |
| 2022228197 | Aloxitec Pty Ltd.   | 2023200927 | P6 Medical Pty Ltd                                      |
| 2022231667 | Sagun, F.   | 2023200935 | Bry Air [Asia] Pvt. Ltd.                                |
| 2022231721 | Vertex Pharmaceuticals Incorporated   | 2023201050 | Davis Gorton Pty Ltd                                    |
| 2022231749 | Alnylam Pharmaceuticals, Inc.   | 2023201508 | CFPH, L.L.C.  |
| 2022235553 | Toshiba Energy Systems & Solutions Corporation  | 2023201597 | Micro Motion, Inc.                                      |
| 2022236065 | SUZUKI Kazuyoshi  | 2023201640 | Ergotron, Inc.  |
| 2022238796 | MANUFACTURING RESOURCES INTERNATIONAL,<br>INC.  | 2023201703 | Spruce Biosciences, Inc.                                |
| 2022240475 | GACW INCORPORATED   | 2023201935 | FalCom A/S  |
| 2022241568 | ConMed Corporation  | 2023201979 | AXS Group LLC   |
| 2022243271 | MITSUBISHI HEAVY INDUSTRIES, LTD.   | 2023201991 | Canva Pty Ltd   |
| 2022244770 | MITSUBISHI HEAVY INDUSTRIES, LTD.   | 2023202202 | SWIMC LLC   |
| 2022246371 | Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd;<br>nthalmic holding Pty Ltd   | 2023202384 | FUJIFILM Business Innovation Corp.                      |
| 2022246391 | Greatcell Energy Limited  | 2023202404 | Wonderland Switzerland AG                               |
| 2022246392 | Boehringer Ingelheim International GmbH   | 2023202410 | HONEYWELL INTERNATIONAL INC.                            |
| 2022246431 | Monsanto Technology LLC   | 2023202497 | Apple Inc.  |
| 2022247008 | OCADO INNOVATION LIMITED  | 2023202503 | EL Ayoubi, A.   |
| 2022252747 | Becton, Dickinson and Company   | 2023202552 | Wonderland Switzerland AG                               |
| 2022252786 | Crown Equipment Corporation   | 2023202604 | Shenzhen Aiper Intelligent Co., Ltd.                    |
| 2022252840 | Evapco, Inc.  | 2023202760 | Huawei Technologies Co., Ltd.                           |
| 2022253636 | VERSALIS S.P.A.   | 2023203075 | S. C. Johnson & Son, Inc.                               |
| 2022256084 | Ancora Heart, Inc.  | 2023203163 | Smiths Medical ASD, Inc.                                |
| 2022256160 | Allergan, Inc.  | 2023203240 | Midwest Innovative Products                             |
| 2022268325 | Iridia, Inc.  | 2023203259 | Guangdong OPPO Mobile Telecommunications Corp.,<br>Ltd. |
| 2022268368 | The Board of Trustees of the Leland Stanford Junior<br>University   | 2023203287 | Advanced Lithium Electrochemistry Co., Ltd.             |
| 2022271389 | Massachusetts Institute of Technology   | 2023203358 | Shell Internationale Research Maatschappij B.V.         |
| 2022271399 | Disney Enterprises, Inc.; ETH Zürich (Eidgenössische<br>Technische Hochschule Zürich)   | 2023203414 | Metso Outotec Finland Oy                                |
| 2022275436 | Duesenfeld GmbH   | 2023203482 | Tencent America LLC                                     |
| 2022277552 | BOSTON SCIENTIFIC SCIMED, INC.  | 2023203485 | Intocell, Inc.  |
| 2022279388 | Xard Group Pty Ltd  | 2023203769 | Zimmer, Inc.  |
| 2022279420 | Rhythm Pharmaceuticals, Inc.  | 2023204620 | Nokia Technologies Oy                                   |
| 2022280908 | HUAWEI TECHNOLOGIES CO., LTD.   | 2023204637 | SAMSUNG ELECTRONICS CO., LTD.                           |
| 2022281230 | ZEBRA TECHNOLOGIES CORPORATION  | 2023206086 | REACT4LIFE Società per Azioni                           |
| 2022283737 | MPEG LA, LLC  | 2023208069 | COCREATION GRASS CO., LTD                               |
| 2022284023 | CATERPILLAR INC.  | 2023208424 | LOHMANN & RAUSCHER GMBH & CO. KG                        |
| 2022287599 | The University of Bristol   | 2023210532 | Canva Pty Ltd   |
| 2022291617 | Salk Institute for Biological Studies   | 2023215438 | XGS ENERGY, INC.  |
| 2022291641 | Schneider Electric Industries SAS   | 2023216735 | QINGDAO UNIVERSITY OF TECHNOLOGY                        |
| 2022295767 | C. R. BARD, INC.  | 2023217682 | VELVETCH LLC  |
| 2022312942 | State Grid Corporation of China; State Grid Blockchain<br>Technology (Beijing) Co., Ltd.; Beijing Power Exchange<br>Center Co., Ltd.; State Grid Digital Technology Hold-<br>ing Co., Ltd.; Jiangxi Power Exchange Center Co., Ltd.;<br>Liaoning Power Exchange Center Co., Ltd.; East Inner<br>Mongolia Power Exchange Center Company Ltd. | 2023219794 | MAKO Surgical Corp.                                     |
| 2022329648 | S&C ELECTRIC COMPANY  | 2023219941 | AFL Telecommunications LLC; Fujikura Ltd.               |
| 2022331911 | Colgate-Palmolive Company   | 2023219971 | Targus International LLC                                |
| 2022348771 | ENSURGE MEDICAL (SUZHOU) CO., LTD.  | 2023221765 | TAGWORKS PHARMACEUTICALS B.V.                           |
| 2022370481 | FLSMIDTH A/S  | 2023226631 | Sensile Medical AG                                      |
| 2022378702 | GRANT DEMARTINO INDUSTRIES LLC  | 2023226704 | Apple Inc.  |
| 2022397305 | ELECTRIC HYDROGEN CO  | 2023248104 | Nicoventures Trading Limited                            |
| 2022410370 | ARCADOPHTA  | 2023248179 | The NOCO Company  |
| 2022421989 | KASEYA US LLC   | 2023251462 | Getac Technology Corporation                            |
| 2022424605 | BEIJING GOLDWIND SCIENCE & CREATION WIND-<br>POWER EQUIPMENT CO., LTD.  | 2023251463 | Getac Technology Corporation                            |
| 2022427664 | AMOS POWER, INC.  | 2023254882 | Samsung Electronics Co., Ltd.                           |
| 2022435296 | DORMAKABA SCHWEIZ AG  | 2023254883 | Samsung Electronics Co., Ltd.                           |
| 2023200198 | ZHEJIANG DINGLI MACHINERY CO., LTD.   | 2023258453 | GE Video Compression, LLC                               |
|            |   | 2023263484 | Phenix Real Time Solutions, Inc.                        |
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|            |   | 2023274145 | KABUSHIKI KAISHA TOSHIBA                                |
|            |   | 2023290926 | YAPP, K.  |
|            |   | 2023339342 | HENAN MINGSHENG NEW MATERIAL TECHNO-<br>LOGY CO., LTD.  |
|            |   | 2023363703 | CMP PRODUCTS LIMITED                                    |
|            |   | 2023370513 | RHINO RACK AUSTRALIA PTY LIMITED                        |
|            |   | 2023377940 | YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD.               |
|            |   | 2024201230 | Apple Inc.  |

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2024202505 Skechers U.S.A., Inc. II  
2024202509 GE Video Compression, LLC  
2024203018 OCTOPUS ENERGY HEATING LIMITED  
2024203127 Dolby International AB  
2024204854 Xi'an University of Science and Technology  
2024204895 Hollister Incorporated  
2024205159 BOX HOMES PTY LTD  
2024205450 Mie Concepts Inc  
2024205617 Salford Group Inc.



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| 2023377940   | 2017306558<br>2017320520<br>2018244426<br>2018306329<br>2018368716<br>2018382470<br>2019295027<br>2019300567<br>2019306113<br>2019359502<br>2019408382<br>2019438995<br>2021349825<br>2022217094<br>2022279420<br>2023200296                             |  |  | 2018333033<br>2019279092   | <b><u>A61P 25 /-</u></b>   | 2017306558<br>2018333952<br>2018343256<br>2019215801<br>2019470001<br>2021209068<br>2021248263<br>2022205157<br>2022221382 |  |
| <b><u>A61K 103 /-</u></b>  | <b><u>A61K 39 /-</u></b>   | <b><u>A61K 55 /-</u></b>   | 2018359515<br>2019309587<br>2019351019<br>2021349825<br>2022283737   | <b><u>A61M 37 /-</u></b>   |  |  |  |
| 2019289884   | 2017306558<br>2017319318<br>2017365367<br>2017366870<br>2018217443<br>2018232886<br>2018258676<br>2018300080<br>2019270472<br>2019274530<br>2020314119<br>2021202598<br>2021269832<br>2021367592<br>2021392894<br>2022200108<br>2022268368<br>2023200296 |  |  | 2018333033<br>2019279092   | <b><u>A61P 27 /-</u></b>   | 2018300080   |  |
| <b><u>A61K 31 /-</u></b>   |  | <b><u>A61K 59 /-</u></b>   | 2020283036   | <b><u>A61M 39 /-</u></b>   |  |  |  |
| 2017228542<br>2018232886<br>2018263059<br>2018282124<br>2018294314<br>2018297171<br>2018300071<br>2018333952<br>2018343256<br>2018345723<br>2018359515<br>2018360389<br>2018360766<br>2018371216<br>2018378348<br>2018390560<br>2019215801<br>2019274530<br>2019280514<br>2019295027<br>2019309523<br>2019320487<br>2019336597<br>2019360446<br>2019470001<br>2020347724<br>2021215095<br>2021225363<br>2021228240<br>2021248263<br>2021281159<br>2021367592<br>2022202004<br>2022203861<br>2022205157<br>2022205198<br>2022214582 | <b><u>A61K 39 /-</u></b>   | <b><u>A61K 8 /-</u></b>  | 2018368716<br>2018382470<br>2019386250<br>2019390242<br>2021251187<br>2021294350<br>2021295580<br>2021376217<br>2021376273<br>2022256160<br>2022331911   | <b><u>A61M 11 /-</u></b>   | <b><u>A61P 29 /-</u></b>   | 2018287316<br>2021251187   |  |
|  |  |  |  | 2018345627<br>2018355151<br>2019215685<br>2020372991<br>2023200292 | <b><u>A61M 5 /-</u></b>  |  |  |
|  |  |  |  | 2020253983   | 2018333033<br>2018389238<br>2019200215<br>2021413356<br>2022204682<br>2022410370<br>2023226631 | <b><u>A61P 31 /-</u></b>   | 2018241252<br>2020347724<br>2021202598<br>2021225363<br>2021228240<br>2021392894 |
|  |  |  |  | <b><u>A61L 24 /-</u></b>   |  |  |  |
|  |  |  |  | 2019333008   | <b><u>A61M 1 /-</u></b>  |  |  |
|  |  |  |  | <b><u>A61L 26 /-</u></b>   | 2018345627<br>2019384549<br>2023200927<br>2023203163   | <b><u>A61P 33 /-</u></b>   | 2018263059   |
|  |  |  |  | 20193300242  | <b><u>A61N 1 /-</u></b>  |  |  |
|  |  |  |  | <b><u>A61L 27 /-</u></b>   | 2021377591<br>2022271389   | <b><u>A61P 35 /-</u></b>   | 2018232886<br>2018282124   |
|  |  |  |  | 2019333008<br>2021365838<br>2022256160                             | <b><u>A61N 5 /-</u></b>  |  |  |
|  |  |  |  | <b><u>A61L 28 /-</u></b>   | 2019218240<br>2019236394<br>2019351019<br>2019363728<br>2022271389                             |  |  |
|  |  |  |  | 2020253983   | <b><u>A61P 1 /-</u></b>  |  |  |
|  |  |  |  | <b><u>A61L 9 /-</u></b>  |  |  |  |
|  |  |  |  | 2023203075   |  |  |  |
|  |  |  |  | <b><u>A61M 13 /-</u></b>   |  |  |  |
|  |  |  |  | 2022201077   |  |  |  |
|  |  |  |  | <b><u>A61M 15 /-</u></b>   |  |  |  |
|  |  |  |  | 2019438995<br>2023248104   |  |  |  |
|  |  |  |  | <b><u>A61M 11 /-</u></b>   |  |  |  |
|  |  |  |  | 2022203797<br>2023248104   |  |  |  |
|  |  |  |  | <b><u>A61M 16 /-</u></b>   |  |  |  |
|  |  |  |  | 2018383079<br>2019315022<br>2019361356<br>2019409490<br>2020372991 |  |  |  |

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| 2018289581               | 2021251187               |                          | <b><u>B21J 13 /-</u></b> | 2018365773               | 2018282341               |
| 2018306329               |                          | <b><u>B01L 1 /-</u></b>  |                          |                          | 2018282362               |
| 2018360389               | <b><u>A63B 21 /-</u></b> |                          | 2022204104               | <b><u>B29C 70 /-</u></b> | 2018433784               |
| 2018360766               |                          | 2019203990               |                          |                          | 2021272714               |
| 2019274530               | 2021240242               |                          | <b><u>B21J 9 /-</u></b>  | 2018387661               | 2021291000               |
| 2019289884               |                          | <b><u>B01L 3 /-</u></b>  |                          |                          | 2021303584               |
| 2019336597               | <b><u>A63B 22 /-</u></b> |                          | 2022204104               | <b><u>B29D 7 /-</u></b>  | 2022206352               |
| 2019359502               |                          | 2019287506               |                          |                          | 2023202404               |
| 2021248263               | 2021240242               | 2021362691               | <b><u>B21K 23 /-</u></b> | 2018365773               |                          |
| 2021269832               | <b><u>A63C 1 /-</u></b>  |                          |                          |                          | <b><u>B60P 3 /-</u></b>  |
| 2021367592               |                          | <b><u>B02C 13 /-</u></b> | 2022204104               | <b><u>B31B 70 /-</u></b> | 2019209289               |
| 2021399528               | 2023203240               | 2019238574               | <b><u>B23K 11 /-</u></b> | 2018365773               |                          |
| 2022214582               |                          |                          |                          |                          | <b><u>B60R 11 /-</u></b> |
| 2022378702               | <b><u>A63C 5 /-</u></b>  | <b><u>B02C 17 /-</u></b> | 2021352012               | <b><u>B32B 27 /-</u></b> | 2023370513               |
| 2023200353               |                          |                          | <b><u>B24C 11 /-</u></b> | 2018369437               |                          |
| 2023200873               | 2023203240               | 2019381713               |                          |                          | <b><u>B60R 9 /-</u></b>  |
| 2023203485               | <b><u>A63F 13 /-</u></b> | <b><u>B02C 2 /-</u></b>  | 2019242026               | <b><u>B32B 3 /-</u></b>  | 2023370513               |
| 2023377940               |                          |                          |                          |                          |                          |
| <b><u>A61P 37 /-</u></b> | 2019365023               | 2021371515               | <b><u>B24C 3 /-</u></b>  | 2018365773               | 2023370513               |
|                          |                          |                          |                          |                          | <b><u>B60W 20 /-</u></b> |
| 2018300272               | <b><u>A63H 33 /-</u></b> | <b><u>B02C 25 /-</u></b> | 2019209289               | <b><u>B32B 5 /-</u></b>  | 2022228114               |
| 2019270472               |                          |                          |                          |                          |                          |
| 2021248263               | 2023202503               | 2019238181               | <b><u>B25C 1 /-</u></b>  | 2018374203               | 2022228114               |
|                          |                          | 2021371515               |                          |                          | <b><u>B60W 30 /-</u></b> |
| <b><u>A61P 39 /-</u></b> | <b><u>B01D 53 /-</u></b> | <b><u>B05B 1 /-</u></b>  | 2018374745               | <b><u>B41M 3 /-</u></b>  | 2019226095               |
|                          |                          |                          | 2019275363               |                          |                          |
| 2018390918               | 2019229223               | 2021391294               | <b><u>B25G 1 /-</u></b>  | 2019361097               | 2019226095               |
|                          | 2019262648               |                          |                          |                          | <b><u>B60W 40 /-</u></b> |
| <b><u>A61P 5 /-</u></b>  | 2021331004               | <b><u>B05B 11 /-</u></b> | 2021300435               | <b><u>B60B 35 /-</u></b> | 2019226095               |
|                          | 2022204740               |                          | 2023202202               |                          |                          |
| 2019359502               | 2023200935               | 2019438995               | <b><u>B25G 3 /-</u></b>  | 2021393378               | <b><u>B61F 5 /-</u></b>  |
|                          | 2023203358               |                          |                          |                          |                          |
| <b><u>A61P 7 /-</u></b>  | <b><u>B01D 69 /-</u></b> | <b><u>B05B 14 /-</u></b> | 2023202202               | <b><u>B60B 9 /-</u></b>  | 2018367955               |
|                          |                          |                          |                          |                          |                          |
| 2018287316               | 2021436674               | 2019209289               | <b><u>B25J 11 /-</u></b> | 2022240475               | <b><u>B61L 3 /-</u></b>  |
| 2019215801               |                          |                          |                          |                          |                          |
| <b><u>A61P 9 /-</u></b>  | <b><u>B01D 71 /-</u></b> | <b><u>B05B 3 /-</u></b>  | 2019203990               | <b><u>B60C 1 /-</u></b>  | 2021375837               |
|                          |                          |                          |                          |                          |                          |
| 2017320520               | 2021436674               | 2021391294               | <b><u>B25J 13 /-</u></b> | 2018382796               | <b><u>B62B 3 /-</u></b>  |
| 2018287316               |                          |                          |                          |                          |                          |
| 2018371216               | <b><u>B01F 33 /-</u></b> | <b><u>B05C 17 /-</u></b> | 2022247008               | <b><u>B60D 1 /-</u></b>  | 2019203779               |
| 2021248263               |                          |                          |                          |                          | 2023201640               |
| 2021349825               | 2019266237               | 2021300435               | <b><u>B25J 15 /-</u></b> | <b><u>B60J 1 /-</u></b>  | 2023203240               |
| 2022246392               |                          |                          |                          |                          |                          |
| <b><u>A61Q 11 /-</u></b> | <b><u>B01J 19 /-</u></b> | <b><u>B05C 9 /-</u></b>  | 2022247008               | 2018336143               | <b><u>B62B 5 /-</u></b>  |
|                          |                          |                          |                          |                          |                          |
| 2021294350               | 2019270160               | 2022218567               | <b><u>B25J 18 /-</u></b> | 2022240475               | 2023203240               |
| 2021376217               | 2019385570               | <b><u>B06B 1 /-</u></b>  |                          |                          |                          |
| 2021376273               | 2021269291               |                          | 2019203990               | <b><u>B60J 11 /-</u></b> | <b><u>B62B 7 /-</u></b>  |
| 2022331911               | <b><u>B01J 2 /-</u></b>  | 2022370481               | <b><u>B25J 19 /-</u></b> | 2018336143               | 2023202552               |
|                          |                          |                          |                          |                          |                          |
| <b><u>A61Q 17 /-</u></b> | 2019303245               | <b><u>B07B 1 /-</u></b>  | 2022247008               | <b><u>B60K 6 /-</u></b>  | <b><u>B62B 9 /-</u></b>  |
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| 2019390242               | <b><u>B01J 20 /-</u></b> | 2022370481               | <b><u>B25J 21 /-</u></b> | 2022228114               | 2023202552               |
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| <b><u>A61Q 19 /-</u></b> | 2022228197               | <b><u>B08B 3 /-</u></b>  | 2019203990               | <b><u>B60L 1 /-</u></b>  | <b><u>B62D 11 /-</u></b> |
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| 2019386250               | <b><u>B01J 23 /-</u></b> | 2019209289               | <b><u>B25J 9 /-</u></b>  | 2019240650               | 2019311338               |
| 2021251187               |                          |                          |                          |                          |                          |
| 2021295580               | 2020480581               | <b><u>B09B 3 /-</u></b>  | 2022247008               | <b><u>B60L 3 /-</u></b>  | <b><u>B62D 55 /-</u></b> |
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| <b><u>A61Q 5 /-</u></b>  | <b><u>B01J 29 /-</u></b> | 2023200586               | <b><u>B29B 17 /-</u></b> | 2021375837               | 2018282371               |
|                          |                          |                          |                          |                          | 2022427664               |
| 2021251187               | 2023203358               | <b><u>B09C 1 /-</u></b>  | 2021278379               | 2019240650               | <b><u>B62D 57 /-</u></b> |
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| <b><u>A61Q 9 /-</u></b>  | <b><u>B01J 4 /-</u></b>  | 2019262648               | <b><u>B29C 45 /-</u></b> | <b><u>B60L 58 /-</u></b> | 2020408469               |
|                          |                          |                          |                          |                          |                          |
| 2021251187               | 2019266237               | <b><u>B21C 37 /-</u></b> | 2018369437               | 2019240650               | <b><u>B62D 7 /-</u></b>  |
|                          |                          |                          |                          |                          |                          |
| <b><u>A61Q 90 /-</u></b> | <b><u>B01J 7 /-</u></b>  | 2021348595               | <b><u>B29C 55 /-</u></b> | <b><u>B60N 2 /-</u></b>  | 2021401354               |
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|                          | 2022201077               |                          |                          |                          |                          |

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| 2021221258               | 2024205159               | <b><u>C03B 32 /-</u></b>  | <b><u>C07D 209 /-</u></b> | 2021266291               | <b><u>C08B 37 /-</u></b>  |
| 2021351106               |                          | 2022213843                | 2020283036                | 2022231749               | 2022256160                |
| <b><u>B63B 3 /-</u></b>  | <b><u>B65H 63 /-</u></b> | <b><u>C03C 1 /-</u></b>   | 2023200873                | 2022268325               | <b><u>C08G 18 /-</u></b>  |
| 2021206184               | 2021340327               | 2022213843                | <b><u>C07D 213 /-</u></b> | <b><u>C07J 15 /-</u></b> | 2023200582                |
| <b><u>B63B 59 /-</u></b> | <b><u>B65H 75 /-</u></b> | <b><u>C03C 10 /-</u></b>  | 2021399528                | 2022205157               | <b><u>C08G 59 /-</u></b>  |
| 2021221258               | 2021340327               | 2022213843                | 2023200873                | <b><u>C07J 3 /-</u></b>  | 2019340354                |
| <b><u>B63C 11 /-</u></b> | <b><u>B66B 1 /-</u></b>  | <b><u>C03C 21 /-</u></b>  | <b><u>C07D 233 /-</u></b> | 2022205157               | <b><u>C08G 63 /-</u></b>  |
| 2018441273               | 2021258387               | 2022213843                | 2021399528                | <b><u>C07J 7 /-</u></b>  | 2019245787                |
| <b><u>B63C 9 /-</u></b>  | <b><u>B66B 5 /-</u></b>  | <b><u>C03C 3 /-</u></b>   | <b><u>C07D 235 /-</u></b> | 2022205157               | 2019349142                |
| 2018441273               | 2023200198               | 2022213843                | 2022214582                | <b><u>C07K 1 /-</u></b>  | <b><u>C08G 83 /-</u></b>  |
| <b><u>B63G 8 /-</u></b>  | <b><u>B66D 3 /-</u></b>  | <b><u>C03C 4 /-</u></b>   | <b><u>C07D 239 /-</u></b> | 2017345387               | 2019245787                |
| 2019366224               | 2021240242               | 2022213843                | 2021225363                | 2019395708               | <b><u>C08H 1 /-</u></b>   |
| 2021206184               | <b><u>B66F 7 /-</u></b>  | <b><u>C04B 24 /-</u></b>  | 2021399528                | <b><u>C07K 14 /-</u></b> | 2018368716                |
| <b><u>B63H 21 /-</u></b> | 2021351106               | 2023216735                | <b><u>C07D 251 /-</u></b> | 2018241252               | 2022256160                |
| 2022284023               | <b><u>B66F 9 /-</u></b>  | <b><u>C05C 9 /-</u></b>   | 2019345015                | 2018244426               | <b><u>C08H 8 /-</u></b>   |
| <b><u>B63H 5 /-</u></b>  | 2021351106               | <b><u>C05F 3 /-</u></b>   | 2021207961                | 2018303164               | 2018389969                |
| 2022284023               | <b><u>B67D 1 /-</u></b>  | 2019303245                | <b><u>C07D 277 /-</u></b> | 2019270472               | <b><u>C08J 5 /-</u></b>   |
| <b><u>B64D 1 /-</u></b>  | 2019316518               | <b><u>C05G 3 /-</u></b>   | 2021399528                | 2019285082               | 2018389969                |
| 2018379146               | <b><u>B67D 7 /-</u></b>  | 2023200586                | 2022214582                | 2019304526               | <b><u>C08J 7 /-</u></b>   |
| <b><u>B64D 15 /-</u></b> | 2019266237               | <b><u>C07C 1 /-</u></b>   | <b><u>C07D 401 /-</u></b> | 2019306113               | 2021436674                |
| 2019333261               | <b><u>B67D 99 /-</u></b> | 2019303245                | 2021399528                | 2019309587               | <b><u>C08J 9 /-</u></b>   |
| <b><u>B64D 27 /-</u></b> | 2021241639               | <b><u>C07C 17 /-</u></b>  | <b><u>C07D 403 /-</u></b> | 2019395708               | 2021436674                |
| 2019361306               | <b><u>B82Y 5 /-</u></b>  | 2020480581                | 2022214582                | 2019438995               | 2021436674                |
| <b><u>B64G 1 /-</u></b>  | 2018400392               | <b><u>C07C 21 /-</u></b>  | <b><u>C07D 413 /-</u></b> | 2021212141               | <b><u>C07K 16 /-</u></b>  |
| 2019473170               | 2022287599               | 2019363604                | 2021207961                | 2021218213               | <b><u>C08L 101 /-</u></b> |
| <b><u>B65C 9 /-</u></b>  | 2022378702               | <b><u>C07C 237 /-</u></b> | <b><u>C07D 417 /-</u></b> | 2021392894               | 2018368716                |
| 2019361097               | <b><u>C01B 21 /-</u></b> | 2019363604                | 2022214582                | 2022200108               | <b><u>C08L 21 /-</u></b>  |
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| 2018222908               | 2022202129               | 2021399528                | 2021399528                | 2023221765               | <b><u>C08L 23 /-</u></b>  |
| 2023202503               | <b><u>C01D 15 /-</u></b> | <b><u>C07C 29 /-</u></b>  | 2023201703                | <b><u>C07K 19 /-</u></b> | 2018369437                |
| <b><u>B65D 41 /-</u></b> | 2018371262               | 2019385570                | <b><u>C07D 487 /-</u></b> | 2017319318               | <b><u>C08L 5 /-</u></b>   |
| 2019303317               | <b><u>C01F 11 /-</u></b> | <b><u>C07C 31 /-</u></b>  | 2023203485                | 2017365367               | 2022256160                |
| <b><u>B65D 63 /-</u></b> | 2022202129               | 2019320977                | <b><u>C07D 498 /-</u></b> | 2017366870               | <b><u>C08L 7 /-</u></b>   |
| 2023202503               | <b><u>C01G 35 /-</u></b> | <b><u>C07C 329 /-</u></b> | 2020347724                | 2018206229               | 2018382796                |
| <b><u>B65D 81 /-</u></b> | 2021430980               | 2019320977                | 2021207961                | 2018232886               | <b><u>C08L 89 /-</u></b>  |
| 2019438995               | <b><u>C02F 1 /-</u></b>  | <b><u>C07C 333 /-</u></b> | <b><u>C07D 513 /-</u></b> | 2018235092               | 2022256160                |
| <b><u>B65D 83 /-</u></b> | 2022231667               | 2019237545                | 2022231721                | 2019261450               | <b><u>C08L 23 /-</u></b>  |
| 2022410370               | <b><u>C03B 27 /-</u></b> | <b><u>C07C 333 /-</u></b> | <b><u>C07D 515 /-</u></b> | 2019306113               | 2018369437                |
|                          |                          |                           | 2022231721                | 2020314119               | <b><u>C08L 5 /-</u></b>   |
|                          |                          |                           | <b><u>C07H 1 /-</u></b>   | 2021218213               | 2022256160                |
|                          |                          |                           |                           | 2021269832               | <b><u>C08L 7 /-</u></b>   |
|                          |                          |                           |                           | 2021367592               | 2018382796                |
|                          |                          |                           |                           | 2022200108               | <b><u>C08L 9 /-</u></b>   |
|                          |                          |                           |                           | <b><u>C07K 5 /-</u></b>  | 2022256160                |
|                          |                          |                           |                           | 2019261450               | <b><u>C08L 9 /-</u></b>   |
|                          |                          |                           |                           | <b><u>C07K 7 /-</u></b>  | 2018382796                |
|                          |                          |                           |                           | 2019300567               | <b><u>C09D 123 /-</u></b> |
|                          |                          |                           |                           | 2019359502               | 2018369437                |
|                          |                          |                           |                           | 2019395708               |                           |
|                          |                          |                           |                           | 2022279420               |                           |
|                          |                          |                           |                           |                          |                           |

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| <b><u>C09J 107 /-</u></b>  | 2018253088<br>2018303164<br>2018359515<br>2018400392<br>2019285082   | <b><u>C12R 1 /-</u></b>  |                          | <b><u>E02B 15 /-</u></b>                             |  |
| 2019229322   | 2019309587<br>2020314119<br>2020378500   | 2019309426               | <b><u>D01F 9 /-</u></b>  | 2018306661   | <b><u>E05B 13 /-</u></b>                             |
| <b><u>C09K 5 /-</u></b>  | 2021269417<br>2021277737<br>2022200667   | <b><u>C21D 8 /-</u></b>  | 2022213744               | <b><u>E02B 17 /-</u></b>                             | 2018229456<br>2019295400                             |
| 2019214954   | 2022202248<br>2022202580   | 2021352012               | <b><u>D03D 1 /-</u></b>  | 2019417738   | <b><u>E05B 19 /-</u></b>                             |
| <b><u>C10L 1 /-</u></b>  | 2022204460<br>2022231749   | <b><u>C22B 1 /-</u></b>  | 2023208069               | <b><u>E02D 17 /-</u></b>                             | 2018256485   |
| 2022226388   | 2022268325<br>2022283737<br>2022287599   | 2019300253               | <b><u>D03D 13 /-</u></b> | 2018374203   | <b><u>E05B 63 /-</u></b>                             |
| <b><u>C10M 101 /-</u></b>  |  | <b><u>C22B 15 /-</u></b> | 2023208069               | <b><u>E02F 3 /-</u></b>                              | 2018229456   |
| 2019245787   |  | 2019204300<br>2022275436 | <b><u>D03D 15 /-</u></b> | 2019202154<br>2019256775<br>2019309447               | <b><u>E05D 11 /-</u></b>                             |
| <b><u>C10M 107 /-</u></b>  |  | <b><u>C22B 21 /-</u></b> | 2023208069               | <b><u>E02F 5 /-</u></b>                              | 2023201050   |
| 2019245787   | <b><u>C12N 5 /-</u></b>  | 2022275436               | <b><u>D04B 19 /-</u></b> |  | <b><u>E05D 3 /-</u></b>                              |
| <b><u>C10M 111 /-</u></b>  | 2018205234<br>2018251830<br>2018260183<br>2018300272<br>2018417950<br>2020411823<br>2021209068<br>2021212141<br>2022202248<br>2022202580 | <b><u>C22B 26 /-</u></b> | 2021293177               | 2019256775<br>2019305467                             | 2023201050   |
| 2019245787   |  | 2019300253               | <b><u>D04B 21 /-</u></b> |  | <b><u>E05D 5 /-</u></b>                              |
| <b><u>C10M 171 /-</u></b>  |  | <b><u>C22B 3 /-</u></b>  | 2021293177               | <b><u>E02F 9 /-</u></b>                              | 2023201050   |
| 2019245787   |  | 2019204300<br>2019300253 | <b><u>D04H 3 /-</u></b>  | 2019202210<br>2019204778<br>2019305467<br>2019309447 | <b><u>E05F 1 /-</u></b>                              |
| <b><u>C11B 1 /-</u></b>  |  | <b><u>C22B 34 /-</u></b> | 2021308016               |  | 2023201050   |
| 2022204460   |  | 2019204300               | <b><u>D05C 17 /-</u></b> | <b><u>E03B 3 /-</u></b>                              | <b><u>E06B 11 /-</u></b>                             |
| <b><u>C11C 3 /-</u></b>  |  | <b><u>C22B 47 /-</u></b> | 2018374203<br>2023208069 | 2022204740   | 2023201050   |
| 2019275902   | <b><u>C12N 7 /-</u></b>  | 2019300253               | <b><u>D06M 14 /-</u></b> | <b><u>E04B 1 /-</u></b>                              | <b><u>E06B 9 /-</u></b>                              |
| <b><u>C11D 1 /-</u></b>  | 2018253088<br>2021349825   | <b><u>C22B 7 /-</u></b>  | 2018368716               | 2017428251<br>2019201025<br>2024205159               | 2022217134   |
| 2021278379   | <b><u>C12N 9 /-</u></b>  | 2019300253<br>2022275436 | <b><u>E01B 11 /-</u></b> |  | <b><u>E21B 1 /-</u></b>                              |
| <b><u>C12C 12 /-</u></b>   | 2018244426<br>2018244459<br>2021212141<br>2021349825<br>2022202248   | <b><u>C22C 21 /-</u></b> | 2021352012               | <b><u>E04B 2 /-</u></b>                              | 2019275202   |
| 2018441170   |  | 2023339342               | <b><u>E01B 29 /-</u></b> | 2019201025   | <b><u>E21B 17 /-</u></b>                             |
| <b><u>C12C 5 /-</u></b>  |  | <b><u>C22C 33 /-</u></b> | 2021352012               | <b><u>E04B 5 /-</u></b>                              | 2018409802<br>2021460024                             |
| 2018441170   | <b><u>C12P 19 /-</u></b>   | 2021348595               | <b><u>E01C 13 /-</u></b> | 2018226390   | <b><u>E21B 19 /-</u></b>                             |
| <b><u>C12H 3 /-</u></b>  | 2022201330<br>2022253636   | <b><u>C22C 38 /-</u></b> | 2018374203               | <b><u>E04B 9 /-</u></b>                              | 2019275202   |
| 2018441170   | <b><u>C12P 7 /-</u></b>  | 2021348595<br>2021352012 | <b><u>E01C 19 /-</u></b> | 2017428251   | <b><u>E21B 33 /-</u></b>                             |
| <b><u>C12M 1 /-</u></b>  | 2019319671<br>2019349142<br>2022253636   | <b><u>C22F 1 /-</u></b>  | 2024205617               | <b><u>E04C 3 /-</u></b>                              | 2023215438   |
| 2018417950<br>2019381713<br>2021362691<br>2021450828<br>2022201857<br>2022252747<br>2023206086 | 2018252187<br>2020259847<br>2020412766<br>2021266291<br>2021269291<br>2021269417<br>2021277737<br>2021399528<br>2022200667               | 2023339342               | <b><u>E01C 3 /-</u></b>  | 2017428251   | <b><u>E21B 34 /-</u></b>                             |
| <b><u>C12M 3 /-</u></b>  | <b><u>C12Q 1 /-</u></b>  | <b><u>C25B 1 /-</u></b>  | 2018222895<br>2018363887 | <b><u>E04F 15 /-</u></b>                             | 2018409802   |
| 2021362691<br>2022201857   | 2018252187<br>2020259847<br>2020412766<br>2021266291<br>2021269291<br>2021269417<br>2021277737<br>2021399528<br>2022200667               | 2022397305               | 2018363887               | 2018226390   | <b><u>E21B 4 /-</u></b>                              |
| <b><u>C12N 1 /-</u></b>  | 2022201330<br>2022218567<br>2022252747<br>2022268325   | <b><u>C25B 15 /-</u></b> | <b><u>E01C 5 /-</u></b>  | <b><u>E04G 25 /-</u></b>                             | 2021338748   |
| 2019381713<br>2022201857<br>2022213744   | 2022397305   | 2022397305               | 2018363887               | 2024205159   | <b><u>E21B 43 /-</u></b>                             |
| <b><u>C12N 15 /-</u></b>   | <b><u>C25D 11 /-</u></b>   | <b><u>C25B 15 /-</u></b> | <b><u>E01C 9 /-</u></b>  | <b><u>E04H 1 /-</u></b>                              | 2019243434<br>2023215438                             |
| 2018230756   | 2022228197   | 2022397305               | 2018222895<br>2018363887 | 2024205159   |  |
|  | <b><u>C40B 30 /-</u></b>   | 2022228197               | <b><u>E01F 13 /-</u></b> | <b><u>E04H 3 /-</u></b>                              | <b><u>E21B 47 /-</u></b>                             |
|  | 2021250973<br>2021266291   | 2022228197               | 2018366709               | 2019417738   | 2019210071<br>2019243434<br>2020357489<br>2021460024 |
|  |  | <b><u>C40B 30 /-</u></b> | <b><u>E01F 15 /-</u></b> | <b><u>E04H 4 /-</u></b>                              |  |
|  |  | 2021250973<br>2021266291 | 2018366709               | 2019417738<br>2023202604                             |  |

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| <b><u>F21B 49 /-</u></b> | <b><u>F16C 29 /-</u></b>  | <b><u>F24F 3 /-</u></b>                | <b><u>F41H 5 /-</u></b>  | <b><u>G01N 29 /-</u></b>   | <b><u>G01V 99 /-</u></b>               |
| 2018455874<br>2019243434 | 2018410667                | 2023200935                             | 2019204436   | 2023201597<br>2023203414   | 2020267043                             |
| <b><u>F21C 41 /-</u></b> | <b><u>F16C 33 /-</u></b>  | <b><u>F24F 9 /-</u></b>                | <b><u>G01B 1 /-</u></b>  | <b><u>G01N 33 /-</u></b>   | <b><u>G02B 1 /-</u></b>                |
| 2019319766               | 2020331938<br>2022370481  | 2019221812                             | 2019309447<br>2022209250   | 2018217443<br>2018244638<br>2018252185<br>2018358089<br>2018455874<br>2019226561<br>2019264526<br>2019282578<br>2019306113<br>2019380627<br>2021232750<br>2021362691<br>2022200667<br>2022252747<br>2024204854 | 2022238796<br>2024201566               |
| <b><u>F01D 15 /-</u></b> | <b><u>F16C 35 /-</u></b>  | <b><u>F24H 4 /-</u></b>                | <b><u>G01B 11 /-</u></b>   | <b><u>G01N 37 /-</u></b>   | <b><u>G02B 27 /-</u></b>               |
| 2022243271<br>2022244770 | 2022370481                | 2024203018                             | 2019204778<br>2019312721   | 2021362691   | 2019224109                             |
| <b><u>F01M 11 /-</u></b> | <b><u>F16D 121 /-</u></b> | <b><u>F24H 7 /-</u></b>                | <b><u>G01B 21 /-</u></b>   | <b><u>G01N 9 /-</u></b>  | <b><u>G02B 5 /-</u></b>                |
| 2018427184               | 2021401354                | 2024203018                             | 2019250783   | 2023201597<br>2024204854   | 2021436028<br>2024201566               |
| <b><u>F02C 7 /-</u></b>  | <b><u>F16D 125 /-</u></b> | <b><u>F25B 49 /-</u></b>               | <b><u>G01B 3 /-</u></b>  | <b><u>G01C 19 /-</u></b>   | <b><u>G02B 6 /-</u></b>                |
| 2022244770               | 2021401354                | 2021365042                             | 2022209250   | 2022209250   | 2019203690<br>2022295767<br>2023219941 |
| <b><u>F02C 9 /-</u></b>  | <b><u>F16D 51 /-</u></b>  | <b><u>F25C 1 /-</u></b>                | <b><u>G01C 21 /-</u></b>   | <b><u>G01C 21 /-</u></b>   | <b><u>G02C 7 /-</u></b>                |
| 2022243271               | 2021401354                | 2019252550                             | 2023201597   | 2019309447<br>2022252786   | 2018409857<br>2022246371               |
| <b><u>F02D 11 /-</u></b> | <b><u>F16D 65 /-</u></b>  | <b><u>F25D 11 /-</u></b>               | <b><u>G01C 21 /-</u></b>   | <b><u>G01D 18 /-</u></b>   | <b><u>G02F 1 /-</u></b>                |
| 2019362667               | 2021393378<br>2021401354  | 2021260298<br>2021343048<br>2021345713 | 2019309447<br>2022252786   | 2024201565   | 2022238796                             |
| <b><u>F02D 29 /-</u></b> | <b><u>F16J 15 /-</u></b>  | <b><u>F25D 17 /-</u></b>               | <b><u>G01D 18 /-</u></b>   | <b><u>G01F 1 /-</u></b>  | <b><u>G02F 1 /-</u></b>                |
| 2022228114               | 2020331938                | 2021343048                             | 2024201565   | 2021375837   | 2022238796                             |
| <b><u>F02D 41 /-</u></b> | <b><u>F16K 99 /-</u></b>  | <b><u>F25D 19 /-</u></b>               | <b><u>G01F 1 /-</u></b>  | <b><u>G01R 1 /-</u></b>  | <b><u>G03B 19 /-</u></b>               |
| 2019362667<br>2022228114 | 2018345627                | 2021343048                             | 2023201597   | 2022252747   | 2023263484                             |
| <b><u>F03D 17 /-</u></b> | <b><u>F16L 13 /-</u></b>  | <b><u>F25D 25 /-</u></b>               | <b><u>G01F 23 /-</u></b>   | <b><u>G01R 22 /-</u></b>   | <b><u>G03G 15 /-</u></b>               |
| 2024201565               | 2020382119                | 2018410667<br>2019252550               | 2023201597   | 2022238796   | 2023202384                             |
| <b><u>F03D 7 /-</u></b>  | <b><u>F16L 3 /-</u></b>   | <b><u>F25D 3 /-</u></b>                | <b><u>G01M 11 /-</u></b>   | <b><u>G01R 31 /-</u></b>   | <b><u>G03H 1 /-</u></b>                |
| 2024201565               | 2018256501                | 2019252550                             | 2019224109   | 2022329648   | 2019224109                             |
| <b><u>F03H 1 /-</u></b>  | <b><u>F16L 58 /-</u></b>  | <b><u>F25J 1 /-</u></b>                | <b><u>G01N 1 /-</u></b>  | <b><u>G01S 15 /-</u></b>   | <b><u>G05B 13 /-</u></b>               |
| 2019313413               | 2018369437<br>2020382119  | 2023200787                             | 2019218717<br>2019264526<br>2019381713   | 2023270184   | 2022224837                             |
| <b><u>F04B 43 /-</u></b> | <b><u>F24D 11 /-</u></b>  | <b><u>F27B 1 /-</u></b>                | <b><u>G01N 11 /-</u></b>   | <b><u>G01S 17 /-</u></b>   | <b><u>G05B 19 /-</u></b>               |
| 2018345627               | 2024203018                | 2018403072                             | 2023201597   | 2019319766   | 2019238181<br>2022217289<br>2022224837 |
| <b><u>F04D 13 /-</u></b> | <b><u>F24D 17 /-</u></b>  | <b><u>F27D 3 /-</u></b>                | <b><u>G01N 15 /-</u></b>   | <b><u>G01S 3 /-</u></b>  | <b><u>G05B 23 /-</u></b>               |
| 2022224837               | 2024203018                | 2018403072                             | 2018358089   | 2019240353   | 2022224837                             |
| <b><u>F04D 15 /-</u></b> | <b><u>F24D 19 /-</u></b>  | <b><u>F28B 3 /-</u></b>                | <b><u>G01N 21 /-</u></b>   | <b><u>G01T 1 /-</u></b>  | <b><u>G05D 1 /-</u></b>                |
| 2022224837               | 2024203018                | 2022252840                             | 2019226561<br>2019250783<br>2019264526<br>2019282578<br>2019312721<br>2021269291 | 2019220603<br>2019363728<br>2019380627<br>2021329704   | 2022252786                             |
| <b><u>F16B 23 /-</u></b> | <b><u>F24F 11 /-</u></b>  | <b><u>F28D 20 /-</u></b>               | <b><u>G01N 27 /-</u></b>   | <b><u>G01V 1 /-</u></b>  | <b><u>G05D 3 /-</u></b>                |
| 2020448169               | 2019221812<br>2021365042  | 2024203018                             | 20192216278  | 2022216278   | 2019204778<br>2023270184               |
| <b><u>F16B 35 /-</u></b> | <b><u>F24F 110 /-</u></b> | <b><u>F41G 5 /-</u></b>                | <b><u>G01V 5 /-</u></b>  | <b><u>G01V 5 /-</u></b>  | <b><u>G05D 7 /-</u></b>                |
| 2020448169               | 2019221812                | 2019240353                             | 2019220603   | 2019220603   | 2018304232                             |
| <b><u>F16B 39 /-</u></b> | <b><u>F24F 13 /-</u></b>  | <b><u>F41H 13 /-</u></b>               | <b><u>G06F 1 /-</u></b>  | <b><u>G01V 5 /-</u></b>  | <b><u>G06F 1 /-</u></b>                |
| 2020448169               | 2019221812<br>2021436028  | 2019240353                             | 2018455874<br>2022218567   | 2019220603   | 2019343158                             |

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| <b><u>G06F 11 /-</u></b> |                          | 2019206386               |                           | 2023363703               | 2022224837               |
| 2022421989               | <b><u>G06T 13 /-</u></b> |                          | <b><u>H01L 21 /-</u></b>  |                          |                          |
| 2023200878               | 2023263484               | <b><u>G09B 23 /-</u></b> | 2021376527                | <b><u>H02B 1 /-</u></b>  | <b><u>H03M 7 /-</u></b>  |
| <b><u>G06F 16 /-</u></b> | <b><u>G06T 17 /-</u></b> | 2018369906               |                           | 2024205159               | 2023258453               |
| 2019349429               | 2019319766               | 2019438995               | <b><u>H01L 23 /-</u></b>  |                          | 2024202509               |
|                          | 2023219794               | <b><u>G09F 3 /-</u></b>  | 2019282259                | <b><u>H02B 13 /-</u></b> | <b><u>H04B 1 /-</u></b>  |
| <b><u>G06F 17 /-</u></b> |                          | 2019361097               | <b><u>H01L 25 /-</u></b>  | 2024205159               | 2018205128               |
| 2023200292               | <b><u>G06T 19 /-</u></b> |                          | 2019282259                | <b><u>H02G 15 /-</u></b> |                          |
| 2023201508               | 2019240763               | <b><u>G10L 19 /-</u></b> |                           | 2019203690               | <b><u>H04B 7 /-</u></b>  |
|                          | 2019319766               | 2024203127               | <b><u>H01L 31 /-</u></b>  | 2023363703               | 2018205128               |
| <b><u>G06F 21 /-</u></b> | 2023219794               | <b><u>G16B 20 /-</u></b> | 2021415703                | <b><u>H02G 3 /-</u></b>  | 2019261606               |
| 2019311210               |                          | 2022201330               | 2022246391                | 2021209157               | 2020214288               |
| 2022435296               | <b><u>G06T 3 /-</u></b>  |                          | <b><u>H01M 10 /-</u></b>  | 2023363703               | 2021322816               |
| <b><u>G06F 3 /-</u></b>  | 2022271399               | <b><u>G16H 20 /-</u></b> |                           |                          | <b><u>H04L 1 /-</u></b>  |
|                          | 2023201991               | 2018389238               | 2019247382                | <b><u>H02H 3 /-</u></b>  | 2023204637               |
| 2019210707               | <b><u>G06T 7 /-</u></b>  | 2023200292               | 2022275436                | 2022329648               | <b><u>H04L 12 /-</u></b> |
| 2019240763               | 2019204778               | <b><u>G16H 40 /-</u></b> | <b><u>H01M 4 /-</u></b>   |                          |                          |
| 2023202497               | 2019312721               | 2023200292               | 2023203287                | <b><u>H02H 9 /-</u></b>  | 2019226157               |
| 2023202760               | 2019319766               |                          | <b><u>H01M 50 /-</u></b>  | 2022329648               | 2022291641               |
| 2023210532               | 2019374820               | <b><u>G16H 50 /-</u></b> | 2018407666                | <b><u>H02J 13 /-</u></b> | <b><u>H04L 25 /-</u></b> |
| 2023226704               | 2022271399               | 2018389238               | <b><u>H01M 6 /-</u></b>   | 2023219971               | 2019278733               |
| 2023251462               | 2023200313               |                          |                           |                          | 2021398202               |
| 2023251463               | 2023201991               | <b><u>G21F 7 /-</u></b>  | <b><u>H01M 8 /-</u></b>   | <b><u>H02J 3 /-</u></b>  | <b><u>H04L 41 /-</u></b> |
| 2023263484               |                          | 2019203990               | 2022275436                | 2019247222               | 2020318892               |
| 2024201230               | <b><u>G06T 9 /-</u></b>  | <b><u>G21F 9 /-</u></b>  |                           | 2022424605               | 2022201754               |
| <b><u>G06F 40 /-</u></b> | 2019285351               | 2019242026               | 2019209555                | <b><u>H02J 50 /-</u></b> | <b><u>H04L 43 /-</u></b> |
|                          | 2023201991               | <b><u>G21G 1 /-</u></b>  | 2019299662                | 2021336223               | 2020318892               |
| 2023202497               | 2023251462               | 2020398382               | 2021436674                | 2022204879               | 2023202410               |
| 2023210532               | 2023251463               | <b><u>G21K 1 /-</u></b>  | 202235553                 | <b><u>H02J 7 /-</u></b>  | <b><u>H04L 45 /-</u></b> |
| <b><u>G06F 8 /-</u></b>  | <b><u>G06V 10 /-</u></b> | 2019236394               | 2022397305                | 2021454419               | 2020227664               |
|                          | 2023201991               | 2021329704               | <b><u>H01Q 1 /-</u></b>   | 2022220540               | 2020318892               |
| 2023201991               | 2023251462               | <b><u>G21K 5 /-</u></b>  | 2018205128                | 2022281230               | 2023202410               |
|                          | 2023251463               | 2019236394               | <b><u>H01R 103 /-</u></b> | 2023248179               | <b><u>H04L 47 /-</u></b> |
| <b><u>G06K 7 /-</u></b>  | <b><u>G06V 20 /-</u></b> | 2018434700               | 2020357489                | <b><u>H02J 9 /-</u></b>  | 2020227664               |
| 2022281230               | 2023251462               | <b><u>H01B 7 /-</u></b>  | <b><u>H01R 11 /-</u></b>  | 2019247222               | <b><u>H04L 5 /-</u></b>  |
| 2023251462               | 2023251463               | 2018434700               | 2023201640                | 2023201640               |                          |
| <b><u>G06N 10 /-</u></b> | <b><u>G06V 30 /-</u></b> | <b><u>H01B 9 /-</u></b>  | <b><u>H01R 12 /-</u></b>  | <b><u>H02K 21 /-</u></b> | 2019261606               |
|                          | 2023251462               | 2018434700               | 2019359300                | 2019202320               | 2019278733               |
| 2021344975               | 2023251463               | <b><u>H01H 13 /-</u></b> | 2021344975                | <b><u>H02M 1 /-</u></b>  | 2023204637               |
| <b><u>G06N 20 /-</u></b> | <b><u>G07C 5 /-</u></b>  | <b><u>H01H 13 /-</u></b> | <b><u>H01R 13 /-</u></b>  | 2021439254               | <b><u>H04L 65 /-</u></b> |
|                          | 2022228123               | 2021258387               | 2019359300                |                          | 2023263484               |
| 2023201991               | 2022228123               | <b><u>H01H 23 /-</u></b> | 2020357489                | <b><u>H02M 5 /-</u></b>  | <b><u>H04L 9 /-</u></b>  |
| 2024201565               |                          | 2024205159               | 2021209157                | 2021439254               | 2018205128               |
| <b><u>G06N 3 /-</u></b>  | <b><u>G07C 9 /-</u></b>  | <b><u>H01J 37 /-</u></b> | 2021344975                | <b><u>H02M 7 /-</u></b>  | 2022279388               |
| 2019270160               | 2022435296               | 2023217682               | 2024205159                | 2021439254               | 2022312942               |
| 2024201565               | <b><u>G07F 17 /-</u></b> | <b><u>H01J 49 /-</u></b> | <b><u>H01R 4 /-</u></b>   | <b><u>H02P 27 /-</u></b> | 2022435296               |
|                          | 2019202320               | 2018252185               | 2021344975                | 2022224837               | <b><u>H04N 19 /-</u></b> |
| <b><u>G06N 5 /-</u></b>  | 2019226157               |                          | <b><u>H01R 9 /-</u></b>   |                          | 2019375731               |
| 2024201565               | <b><u>G08C 17 /-</u></b> |                          | 2021344975                | <b><u>H02P 29 /-</u></b> | 2019407687               |
| <b><u>G06Q 20 /-</u></b> | 2021348400               |                          |                           |                          | 2023203259               |
| 2019311210               | <b><u>G08G 1 /-</u></b>  |                          |                           |                          |                          |
| 2021383919               | 2022252786               |                          |                           |                          |                          |
| 2022279388               | <b><u>G08G 5 /-</u></b>  |                          |                           |                          |                          |
| <b><u>G06T 11 /-</u></b> |                          |                          |                           |                          |                          |
| 2022271399               |                          |                          |                           |                          |                          |
| 2023210532               |                          |                          |                           |                          |                          |

Applications Accepted - IPC Index cont'd

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| 2023254882               |                          |
| 2023254883               | <b><u>H04W 84 /-</u></b> |
| 2023274145               |                          |
|                          | 2018205128               |
| <b><u>H04N 21 /-</u></b> | 2019357722               |
|                          | 2022280908               |
| 2019380410               |                          |
| 2023202760               | <b><u>H04W 92 /-</u></b> |
| 2023263484               |                          |
|                          | 2018455860               |
| <b><u>H04N 5 /-</u></b>  | 2019357722               |
| 2023263484               | <b><u>H05G 2 /-</u></b>  |
| <b><u>H04N 7 /-</u></b>  | 2019218240               |
| 2019240353               | <b><u>H05H 1 /-</u></b>  |
| 2019277966               |                          |
| 2022228123               | 2023217682               |
| 2023203482               |                          |
|                          | <b><u>H05K 5 /-</u></b>  |
| <b><u>H04Q 9 /-</u></b>  | 2023201640               |
| 2022228123               |                          |
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| 2018455860               |                          |
| <b><u>H04W 4 /-</u></b>  |                          |
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| 2023204620               |                          |
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| 2019288071               |                          |
| 2019357722               |                          |
| 2022291641               |                          |
| <b><u>H04W 80 /-</u></b> |                          |
| 2019288071               |                          |



**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2018259164 **Aus Group Alliance Pty Ltd** ( Lee Brothers Fencing Pty Ltd )
- 2023233081 **Koekstone IP Pty Ltd** ( K R CULLEY PTY LTD )

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2016261440 | 2016431600 | 2017235783 | 2017249321 |
| 2017259038 | 2017264955 | 2017299581 | 2017324949 |
| 2017346854 | 2017347805 | 2017347870 | 2017358829 |
| 2017372731 | 2017376450 | 2017379424 | 2017382035 |
| 2017423442 | 2017441071 | 2017445094 | 2018206799 |
| 2018208639 | 2018220055 | 2018226885 | 2018231364 |
| 2018236895 | 2018241245 | 2018248060 | 2018249956 |
| 2018253500 | 2018254225 | 2018254585 | 2018258957 |
| 2018260877 | 2018261369 | 2018266135 | 2018266410 |
| 2018268038 | 2018272294 | 2018272984 | 2018275368 |
| 2018275842 | 2018279310 | 2018279834 | 2018280341 |
| 2018280960 | 2018282098 | 2018282357 | 2018283364 |
| 2018283715 | 2018287514 | 2018288385 | 2018296557 |
| 2018305898 | 2018306621 | 2018308586 | 2018312508 |
| 2018315726 | 2018320696 | 2018330372 | 2018333940 |
| 2018334105 | 2018334138 | 2018337760 | 2018338204 |
| 2018342586 | 2018344408 | 2018346986 | 2018348648 |
| 2018349243 | 2018350886 | 2018351472 | 2018353673 |
| 2018357367 | 2018364916 | 2018366222 | 2018369477 |
| 2018373161 | 2018376898 | 2018378072 | 2018387716 |
| 2018387769 | 2018388034 | 2018391395 | 2018391789 |
| 2018392163 | 2018395430 | 2018397957 | 2018415538 |
| 2018416590 | 2018418814 | 2018430965 | 2018434066 |
| 2018434968 | 2018451610 | 2018456015 | 2019200047 |
| 2019200457 | 2019202116 | 2019204331 | 2019206607 |
| 2019207448 | 2019207887 | 2019210607 | 2019212622 |
| 2019212800 | 2019212991 | 2019215375 | 2019216344 |
| 2019216882 | 2019218810 | 2019218870 | 2019220661 |
| 2019221791 | 2019226224 | 2019230532 | 2019235578 |
| 2019235631 | 2019236137 | 2019237902 | 2019238380 |
| 2019239787 | 2019239860 | 2019240064 | 2019240893 |
| 2019242466 | 2019242630 | 2019242733 | 2019243538 |
| 2019245136 | 2019246239 | 2019253446 | 2019253554 |
| 2019253975 | 2019254544 | 2019257579 | 2019259768 |
| 2019260555 | 2019264826 | 2019266529 | 2019268020 |
| 2019270688 | 2019273043 | 2019274397 | 2019277292 |
| 2019287564 | 2019288875 | 2019292332 | 2019294687 |
| 2019295769 | 2019297796 | 2019301725 | 2019302550 |
| 2019304129 | 2019313441 | 2019315668 | 2019316662 |
| 2019321186 | 2019326635 | 2019344548 | 2019344765 |
| 2019347854 | 2019348407 | 2019350699 | 2019350801 |
| 2019370601 | 2019371638 | 2019374406 | 2019381454 |
| 2019383041 | 2019384114 | 2019408916 | 2019409184 |
| 2019429892 | 2019478907 | 2020201615 | 2020223628 |
| 2020237992 | 2020257474 | 2020270485 | 2020286186 |
| 2020292274 | 2020294246 | 2020297253 | 2020301115 |
| 2020310877 | 2020314949 | 2020327527 | 2020332005 |
| 2020333990 | 2020345412 | 2020346059 | 2020349018 |
| 2020356262 | 2020364159 | 2020366496 | 2020375914 |
| 2020378226 | 2020378491 | 2020387317 | 2020391285 |
| 2020391466 | 2020394957 | 2020403940 | 2020413277 |
| 2020418565 | 2020427710 | 2020428591 | 2020428938 |
| 2020437211 | 2020441580 | 2020448813 | 2020453832 |
| 2020455080 | 2020456779 | 2020463690 | 2020471764 |
| 2020472170 | 2020476040 | 2020478278 | 2020480642 |
| 2021200474 | 2021201838 | 2021201840 | 2021201842 |
| 2021201843 | 2021202865 | 2021207559 | 2021207646 |

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2021210565 | 2021215858 | 2021217469 | 2021218132 |
| 2021219566 | 2021226644 | 2021229110 | 2021231944 |
| 2021233462 | 2021237400 | 2021244430 | 2021255455 |
| 2021256166 | 2021257889 | 2021258000 | 2021263605 |
| 2021265968 | 2021267163 | 2021268448 | 2021268977 |
| 2021269395 | 2021274160 | 2021275769 | 2021277195 |
| 2021279078 | 2021280023 | 2021282236 | 2021284295 |
| 2021286093 | 2021290329 | 2021292120 | 2021293617 |
| 2021305045 | 2021306852 | 2021309098 | 2021313142 |
| 2021317754 | 2021320402 | 2021320511 | 2021325311 |
| 2021326859 | 2021327937 | 2021333530 | 2021338639 |
| 2021339056 | 2021339095 | 2021339101 | 2021341647 |
| 2021342132 | 2021343470 | 2021347778 | 2021349869 |
| 2021356435 | 2021359236 | 2021363124 | 2021379051 |
| 2021382101 | 2021382976 | 2021385555 | 2021388787 |
| 2021391799 | 2021393367 | 2021399066 | 2021405024 |
| 2021425045 | 2021425738 | 2021445505 | 2021445856 |
| 2022200059 | 2022200403 | 2022201443 | 2022201652 |
| 2022201659 | 2022201996 | 2022202067 | 2022202232 |
| 2022202325 | 2022202821 | 2022203066 | 2022203517 |
| 2022203677 | 2022203777 | 2022203857 | 2022204013 |
| 2022204406 | 2022204490 | 2022204826 | 2022204838 |
| 2022204867 | 2022209229 | 2022209235 | 2022209242 |
| 2022211957 | 2022215147 | 2022218682 | 2022228180 |
| 2022230780 | 2022235604 | 2022235881 | 2022240175 |
| 2022241543 | 2022252818 | 2022259740 | 2022259786 |
| 2022259833 | 2022263513 | 2022268327 | 2022269010 |
| 2022275533 | 2022279539 | 2022287561 | 2022287571 |
| 2022291453 | 2022291620 | 2022291623 | 2022291631 |
| 2022306450 | 2022316178 | 2022374714 | 2022381759 |
| 2023200017 | 2023200123 | 2023200249 | 2023200332 |
| 2023200354 | 2023200572 | 2023200607 | 2023200808 |
| 2023200848 | 2023200951 | 2023201468 | 2023201498 |
| 2023201523 | 2023201692 | 2023202014 | 2023202029 |
| 2023202070 | 2023202072 | 2023202219 | 2023202225 |
| 2023202564 | 2023203117 | 2023203714 | 2023203773 |
| 2023214361 | 2023216869 | 2023248144 | 2024200320 |
| 2024201193 |            |            |            |

**Innovation Patents**

2024100029

**Assignments Registered**

- 2006247847 Warner-Lambert Company LLC The patent has been assigned to **McNeil-AB, Inc.**
- 2009202645 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2009202646 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2010202577 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2010210013 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2010212318 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2010212319 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**
- 2010220816 PLUSH, Brian The patent has been assigned to **Particular Engineering Pty Ltd**
- 2010279591 FMC Corporation The patent has been assigned to **Corteva Agriscience LLC**

**Assignments Registered**

2011253853 Paloma Co., Ltd. The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2013235386 Cook Medical Technologies LLC The patent has been assigned to **C2Dx, Inc.**

2013315114 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2013389989 Cook Medical Technologies LLC The patent has been assigned to **C2Dx, Inc.**

2014270353 Bayer Animal Health GmbH; Kitasato Institute The patent has been assigned to **Elanco Animal Health GmbH; The Kitasato Institute**

2014296053 Cook Medical Technologies LLC; Cook Biotech Incorporated The patent has been assigned to **C2Dx, Inc.**

2014306232 Cook Medical Technologies LLC The patent has been assigned to **C2Dx, Inc.**

2014321804 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2014360441 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2014373727 Chichilnisky, Graciela; Eisenberger, Peter The patent has been assigned to **Global Thermostat Operations, LLC**

2015202806 PLUSH, Brian The patent has been assigned to **Particular Engineering Pty Ltd**

2015238860 Cook Medical Technologies LLC The patent has been assigned to **C2Dx, Inc.**

2015275151 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2015275156 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2015374094 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2016206451 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2016206733 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2016222274 TekCyte Limited The patent has been assigned to **Cynata Therapeutics Ltd.**

2016266056 Paloma Co., Ltd The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2016294422 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2016334226 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2016351444 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2016355060 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2017200219 Cook Medical Technologies LLC The patent has been assigned to **C2Dx, Inc.**

**Assignments Registered**

2017279674 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2017283979 SCR Engineers Limited The patent has been assigned to **S.C.R. (ENGINEERS) Limited**

2017322519 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2017332807 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2017351739 Coalfields Engineering Pty Ltd The patent has been assigned to **SoilPro Pty Ltd**

2017363951 Asymptote Ltd The patent has been assigned to **Biosafe SA**

2018202379 Twenty Twenty Therapeutics LLC The patent has been assigned to **Verily Life Sciences LLC**

2018202418 Paloma Co., Ltd The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2018202419 Paloma Co., Ltd The patent has been assigned to **Paloma Rheem Holdings Co., Ltd.**

2018214966 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2018274918 Cook Medical Technologies LLC; Cook Biotech Incorporated The patent has been assigned to **C2Dx, Inc.**

2018363696 Bayer Animal Health GmbH; The Kitasato Institute The patent has been assigned to **Elanco Animal Health GmbH; The Kitasato Institute**

2019219749 Asymptote Ltd The patent has been assigned to **Biosafe SA**

2019219750 Asymptote Ltd The patent has been assigned to **Biosafe SA**

2019219751 Asymptote Ltd The patent has been assigned to **Biosafe SA**

2019226233 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2020104487 Sener, Ingenieria Y Sistemas, S.A. The patent has been assigned to **SENER MOBILITY, S.A.**

2020202766 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

2021106750 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2021106774 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2021106838 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2021206897 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2021212137 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

2021212154 Boart Longyear Company The patent has been assigned to **Veracio Ltd.**

**Assignments Registered**

2022200682 Stoller Enterprises, Inc. The patent has been assigned to **Corteva Agriscience LLC**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

2008285784 **Cassiopea S.p.A.**

The earliest first regulatory approval date provided by the patentee 12 Mar 2024

For the goods WINLEVI clascoterone

2014233577 **Cassiopea S.p.A.**

The earliest first regulatory approval date provided by the patentee 12 Mar 2024

For the goods WINLEVI clascoterone

2015208821 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 17 Jan 2022

For the goods VAXNEUVANCE Pneumococcal 15-valent Conjugate Vaccine

2020202970 **AInylam Pharmaceuticals, Inc.; ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI**

The earliest first regulatory approval date provided by the patentee 28 Nov 2023

For the goods GIVLAARI givosiran

**Applications Accepted**

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2015208821 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 17 Jan 2022

For the goods VAXNEUVANCE Pneumococcal 15-valent Conjugate Vaccine

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**Corrigenda**

In Vol 36 , No 20 , Page(s) 2771 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Rochal Industries, LLC, Application No. 2020375706, under INID (71) correct the applicant name to Rochal Technologies, LLC

**Specifications Republished**

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

2018263923 **Immunomic Therapeutics, Inc.**

2020455928 **FLUENCE ENERGY, LLC**

2020478924 **SHENZHEN PROFOUND VIEW PHARMACEUTICAL TECHNOLOGY CO., LTD.**

2020482223 **SHANGHAI FUDAN-ZHANGJIANG BIO-PHARMACEUTICAL CO., LTD.**

**Specifications Republished**

2020483451 **KIMBERLY-CLARK WORLDWIDE, INC.**  
2020483818 **NINGDE AMPEREX TECHNOLOGY LIMITED**  
2020484083 **HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.**

2020484474 **RAZER (ASIA-PACIFIC) PTE. LTD.**  
2021220702 **UPL LIMITED**  
2021249600 **KIKKOMAN CORPORATION**  
2021342744 **UPL CORPORATION LIMITED; UPL EUROPE LTD**  
2021346820 **ONTEX BV; ONTEX GROUP NV**  
2021346852 **ABUNDIA BIOMASS-TO-LIQUIDS LIMITED**  
2021346908 **IP2IPO INNOVATIONS LIMITED**  
2021349676 **SEASON THERAPEUTICS**  
2021350637 **METAGENOMI, INC.**  
2021351723 **OWENS-BROCKWAY GLASS CONTAINER INC.**  
2021354969 **GENEROATH CO., LTD.**  
2021357751 **ABIOMED EUROPE GMBH**  
2021358138 **GLOMESH INTL PTY LTD**  
2021358746 **BRITAX CHILD SAFETY, INC.**  
2021360251 **SILENT STEEL OY**  
2021361007 **MPEG LA, L.L.C.**  
2021362585 **THE RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY**

2021362834 **FELDAN BIO INC.**  
2021364103 **OWENS-BROCKWAY GLASS CONTAINER INC.**  
2021364311 **COVIDIEN LP**  
2021364386 **DRIVERDO LLC**  
2021366257 **ANDISON, T.**  
2021367929 **COMMSCOPE TECHNOLOGIES LLC**  
2021367950 **ELC MANAGEMENT LLC**  
2021369563 **PRECISION VALVE CORPORATION**  
2021371307 **REGENXBIO, INC.**  
2021372809 **PHILIP MORRIS PRODUCTS S.A.**  
2021372815 **ARES TRADING S.A.; GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 4) LTD.**  
2021373621 **BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA**  
2021375405 **SEETREAT PTY LTD**  
2021376026 **CROWN EQUIPMENT CORPORATION**  
2021376527 **INTERNATIONAL BUSINESS MACHINES CORPORATION**

2021377176 **HAN, H.; ZHOU, X.**  
2021380039 **XOMA (US) LLC**  
2021382939 **BOLD THERAPEUTICS INC.**  
2021383119 **MICROMED CO., LTD.**  
2021384021 **INTERNATIONAL BUSINESS MACHINES CORPORATION**

2021385427 **MINDERA CORPORATION**  
2021386878 **TECHNOLOGICAL RESOURCES PTY. LIMITED**  
2021387970 **GENERAL NANOTHERAPEUTICS LLC**  
2021390035 **PROTECHNA S.A.**  
2021391396 **ENVOY MEDICAL CORPORATION**  
2021391499 **BOEHRINGER INGELHEIM INTERNATIONAL GMBH**  
2021392085 **DEFUGO TECHNOLOGIES PTE LTD**  
2021393982 **FERRING B.V.**  
2021393988 **BAYER AKTIENGESELLSCHAFT**  
2021394050 **INTERSURGICAL AG**  
2021394197 **GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.**  
2021394613 **KNORR-BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH**

2021394736 **MVRX, INC.**  
2021395354 **PPG ADVANCED SURFACE TECHNOLOGIES, LLC**  
2021396186 **IMIDEX, INC.**  
2021396509 **TONIX PHARMACEUTICALS HOLDING CORP.**  
2021397221 **SARCOS CORP.**  
2021397261 **PORTAL ACCESS, INC.**  
2021397631 **REATA PHARMACEUTICALS HOLDINGS, LLC**  
2021397881 **TAKEDA PHARMACEUTICAL COMPANY LIMITED**  
2021399891 **INVESTISSEMENTS QMB INC.**  
2021399917 **MEDICOVER BIOTECH LTD**  
2021400293 **FRS GROUP, LLC**

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 2021401154 CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC); OXFORD BROOKES UNIVERSITY COLGATE-PALMOLIVE COMPANY  
 2021401669 AMGEN INC.  
 2021401730 BLOSSOMHILL THERAPEUTICS, INC.  
 2021401741 UNIVERSITY OF COPENHAGEN; ADAPTIVAC APS  
 2021402072 SCORED TECHNOLOGIES INC.  
 2021403183 SYNBALANCE SRL  
 2021404073 AUM PAPER PRODUCTS PRIVATE LIMITED  
 2021404349 PARASOL BIOTECH LTD.  
 2021404641 TOKAMAK ENERGY LTD  
 2021405132 FONTERRA CO-OPERATIVE GROUP LIMITED; AGRESEARCH LIMITED; ATTWOOD, G.T.; CROUZET, L.; BASSETT, S.A.; DEKKER, J.W.; HILL, J.P.  
 2021405297 KOMET AUSTRIA GMBH  
 2021405516 ETHERNA IMMUNOTHERAPIES NV; UNIVERSITEIT GENT  
 2021405781 SUNTORY HOLDINGS LIMITED  
 2021406412 HENKEL AG & CO. KGAA  
 2021407333 Maze Green Ltd  
 2021407343 PSILOBRAIN THERAPEUTICS INC.  
 2021407382 SANDS INNOVATIONS LTD  
 2021407393 SHANGHAI KECHOW PHARMA, INC  
 2021407653 SEATTLE FOOD TECH, INC.  
 2021409113 10X GENOMICS, INC.  
 2021409136 EQALIS GROUP NEW ZEALAND LIMITED  
 2021409620 MEDTRONIC, INC.  
 2021409714 MOLLHAGEN, J.D.  
 2021409789 THEON TECHNOLOGY LLC  
 2021409904 RELIEVANT MEDSYSTEMS, INC.  
 2021409967 GRAYMONT WESTERN CANADA INC.  
 2021410044 SUMITOMO CHEMICAL COMPANY, LIMITED  
 2021410176 SCM LIFESCIENCE CO., LTD.  
 2021410513 EMERGENT TECHNOLOGY LTD  
 2021410729 SUNTORY HOLDINGS LIMITED  
 2021411139 KPC PHARMACEUTICALS, INC.; SHANGHAI KUNHENG PHARMA-TECH CO., LTD  
 2021411658 HINGE HEALTH, INC.  
 2021411776 UNIVERSITY OF IOWA RESEARCH FOUNDATION  
 2021411959 CDGM GLASS CO., LTD  
 2021412144 EQUINOVIUM LLC  
 2021413213 MOTIF FOODWORKS, INC.  
 2021413255 BYD COMPANY LIMITED  
 2021413465 Hyzon Motors USA Inc.  
 2021413758 VAREX IMAGING CORPORATION  
 2021414000 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 2021414089 N-DRIP LTD.  
 2021414409 FAMETEC GMBH  
 2021414416 KAWASAKI JUKOGYO KABUSHIKI KAISHA  
 2021414736 INSULET CORPORATION  
 2021415472 CATERPILLAR GLOBAL MINING LLC  
 2021415633 CAPITAL ONE SERVICES, LLC  
 2021415999 DEERE & COMPANY  
 2021416178 BECTON, DICKINSON AND COMPANY  
 2021416179 ORLUCENT, INC.  
 2021416188 COEGIN PHARMA AB  
 2021416278 KUSAOKE Daiki; TAISEI KAKO CO., LTD.  
 2021416368 KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION  
 2021416759 CLJI WORLDWIDE, LLC  
 2021416836 DREAMHAWK VISION BIOTECH, INC.  
 2021416936 HUAWEI TECHNOLOGIES CO., LTD.  
 2021417277 PPG INDUSTRIES OHIO, INC.  
 2021417736 ALPHA TAU MEDICAL LTD.  
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 2021418796 TOKUSHIMA UNIVERSITY; AICHI STEEL CORPORATION  
 2021419873 CAREFUSION 303, INC.

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 2021422668 PRAXAIR TECHNOLOGY, INC.  
 2021422820 COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
 2021422875 DEERE & COMPANY  
 2021423034 XINGZHONG (SHANDONG) ENERGY TECHNOLOGY CO., LTD.  
 2021425425 SAMSUNG ELECTRONICS CO., LTD.  
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 2021426187 DEAKIN UNIVERSITY  
 2021427201 MCCORMICK & COMPANY, INC.  
 2021427347 NIPPON TELEGRAPH AND TELEPHONE CORPORATION  
 2021427532 TEKION CORP  
 2021429428 MITSUBISHI ELECTRIC CORPORATION  
 2021429717 RAZER (ASIA-PACIFIC) PTE. LTD.  
 2021433702 BABU, K.R.  
 2021438106 HALLIBURTON ENERGY SERVICES, INC.  
 2021438406 DEEPCURE INC.  
 2021443438 HALLIBURTON ENERGY SERVICES, INC.  
 2022205648 BRISTOL-MYERS SQUIBB COMPANY  
 2022205650 CROSSTEK MEMBRANE TECHNOLOGY LLC  
 2022205666 KONIKU, INC.  
 2022205690 DIGITAL SURGERY SYSTEMS, INC.  
 2022205729 LONGI GREEN ENERGY TECHNOLOGY CO., LTD.  
 2022205989 LANIER BIOTHERAPEUTICS, INC.  
 2022206003 MCNICHOLAS, D.  
 2022206015 NANOMEDX, INC.  
 2022206070 WONDERLAND SWITZERLAND AG  
 2022206282 QUADRIGA BIOSCIENCES, INC.  
 2022206297 CYBREXA 2, INC.  
 2022206424 DESIGN THERAPEUTICS, INC.  
 2022206469 NATIONAL RESEARCH COUNCIL OF CANADA  
 2022206540 SCHNEIDER ELECTRIC INDUSTRIES SAS  
 2022206656 BECTON, DICKINSON AND COMPANY  
 2022207030 SUZHOU TRANSCENTA THERAPEUTICS CO., LTD.  
 2022207069 THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK  
 2022207104 TAE TECHNOLOGIES, INC.  
 2022207141 BETAPACK, S.A.U.  
 2022207211 COLLINS, R.; CARDBORED PTY. LTD.  
 2022207426 SOANE MATERIALS LLC  
 2022207489 BALTIMORE AIRCOIL COMPANY, INC.  
 2022207614 DYNELECTRO APS  
 2022207683 EJ EMEA  
 2022207992 CEPHEID  
 2022208046 W. L. GORE & ASSOCIATES, INC.  
 2022208200 MORPHOSYS AG  
 2022208339 BAE SYSTEMS PLC  
 2022208384 MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH  
 2022208415 BARRY CALLEBAUT AG  
 2022208455 AURINIA PHARMACEUTICALS INC.  
 2022208503 GEOQUEST SYSTEMS B.V.  
 2022208675 VIRGINIA COMMONWEALTH UNIVERSITY  
 2022208683 PACIFIC BIOSCIENCES OF CALIFORNIA, INC.  
 2022208712 UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION  
 2022209116 LISA LASER PRODUCTS GMBH  
 2022209140 TISSIUM  
 2022209715 ZIVO BIOSCIENCE, INC.  
 2022209851 TRIVIDIA HEALTH, INC.  
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 2022211512 HUAWEI TECHNOLOGIES CO., LTD.  
 2022211562 INSUSENSE APS  
 2022211583 HOVIONE SCIENTIA LIMITED  
 2022212231 10X GENOMICS, INC.  
 2022212321 STEAMWAND TECHNOLOGY PTY LTD  
 2022212381 BASF SE  
 2022212477 BECTON DICKINSON FRANCE  
 2022212580 E-THERAPEUTICS PLC  
 2022212670 SAMSUNG ELECTRONICS CO., LTD.  
 2022212766 THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH  
 2022212793 BUCK INSTITUTE FOR RESEARCH ON AGING  
 2022212940 STERILE STATE LLC  
 2022212954 ABBOTT DIABETES CARE INC.  
 2022213035 CHAIRMAN, DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO)  
 2022213131 AGC INC.  
 2022213348 CRICUT, INC.  
 2022213423 AMCOR FLEXIBLES NORTH AMERICA, INC.  
 2022213452 PAYPAL, INC.  
 2022213496 VACCINVENT GMBH; UNIVERSITÄT ULM  
 2022213518 DYSON TECHNOLOGY LIMITED  
 2022213913 INNOVENT BIOLOGICS (SUZHOU) CO., LTD.  
 2022214296 PAYPAL, INC.  
 2022214393 WALLAC OY  
 2022214613 VUYK TECHNOLOGY HOLDINGS, LLC  
 2022214702 ZHUHAI UNITED LABORATORIES CO., LTD.  
 2022214765 GRACE ABUNDANTLY, LLC; BALDERAS, M.J.  
 2022214827 HENKEL AG & CO. KGAA  
 2022214909 TECHTRONIC CORDLESS GP  
 2022214914 ASTRIA THERAPEUTICS, INC.  
 2022214915 PARATA SYSTEMS, LLC  
 2022214986 ASAHI GROUP HOLDINGS, LTD.  
 2022215327 GR & CC MORGAN PTY LIMITED  
 2022215847 NUMAB THERAPEUTICS AG  
 2022215912 UNIVERSITY OF STRATHCLYDE  
 2022215960 ELTA SYSTEMS LTD.  
 2022216207 ENERGY VAULT, INC.  
 2022216284 VERASTEM, INC.  
 2022216534 OCTOPUS ENERGY HEATING LIMITED  
 2022216607 DUKE UNIVERSITY; THE U.S. GOVERNMENT AS REPRESENTED BY THE DEPT. OF VETERAN AFFAIRS  
 2022216617 AMGEN INC.  
 2022216880 RAPPTA THERAPEUTICS OY  
 2022217429 HITACHI ZOSEN INOVA AG  
 2022217471 LEMMEN, J.A.J.; VAN DOREMAELE, M.G.M.  
 2022217610 ASKA PHARMACEUTICAL CO., LTD.  
 2022217714 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 2022217754 ELI LILLY AND COMPANY  
 2022218292 BAYER AKTIENGESELLSCHAFT  
 2022218413 HUAWEI TECHNOLOGIES CO., LTD.  
 2022218682 NETFLIX, INC.  
 2022218693 SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED  
 2022218914 THE AUSTRALIAN NATIONAL UNIVERSITY  
 2022218927 GENENTECH, INC.  
 2022219133 ADAGENE PTE. LTD.  
 2022219924 COPPER HARBOR INVESTMENTS, LLC  
 2022219960 JUSTOY PTY LIMITED  
 2022219963 TRADECORP INVESTMENTS PTY LTD  
 2022220250 SCIOLOGICA CORP.  
 2022220270 EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD.

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 2022220732 BK GIULINI GMBH  
 2022220752 WONDERLAND SWITZERLAND AG  
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 2022220805 BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
 2022220823 PERSPECTUM LTD  
 2022221268 DANIELI & C. OFFICINE MECCANICHE S.P.A.  
 2022222762 EMERSON AUTOMATION SOLUTIONS FINAL CONTROL US LP  
 2022223482 ESPERA-WERKE GMBH  
 2022223771 BOSTON SCIENTIFIC SCIMED INC.  
 2022224236 REISACHER, R.  
 2022224391 GAMMADelta THERAPEUTICS LTD  
 2022224687 THE PROCTER & GAMBLE COMPANY  
 2022225080 SANDVIK MINING AND CONSTRUCTION TOOLS AB  
 2022225636 DUTCH INNOVATION IN AIR TREATMENT B.V.  
 2022226671 TYRA BIOSCIENCES, INC.  
 2022226837 BIONEER CORPORATION; SIRNAGEN THERAPEUTICS CORPORATION  
 2022226903 RHEEM MANUFACTURING COMPANY  
 2022227008 ALUCENT BIOMEDICAL, INC.  
 2022227186 DUTCH INNOVATION IN AIR TREATMENT BV  
 2022227673 IMPACT BIOMEDICINES, INC.  
 2022227684 HALLIBURTON ENERGY SERVICES, INC.  
 2022227746 APPLIED MEDICAL RESOURCES CORPORATION  
 2022229434 SUMITOMO CHEMICAL COMPANY, LIMITED  
 2022231007 AMRYT PHARMACEUTICALS INC.  
 2022231351 THALES DIS FRANCE SAS  
 2022233841 BERICAP HOLDING GMBH  
 2022236291 WANTECH PTY LTD  
 2022236599 SKULLE IMPLANTS OY  
 2022239674 HILTI AKTIENGESELLSCHAFT  
 2022240495 LIQUI-BOX CORPORATION  
 2022242173 AEROMECH PTY LTD  
 2022243271 MITSUBISHI HEAVY INDUSTRIES, LTD.  
 2022246722 QUALCOMM INCORPORATED  
 2022249476 JFE STEEL CORPORATION  
 2022258653 BOEHRINGER INGELHEIM INTERNATIONAL GMBH  
 2022259134 SHONAN GOSEI-JUSHI SEISAKUSHO K.K.  
 2022260753 OSTEONEUROGEN  
 2022261830 TEKION CORP  
 2022263256 TEKION CORP  
 2022270890 ITM Oncologics GmbH  
 2022274523 HALLIBURTON ENERGY SERVICES, INC  
 2022284146 SHIJIAZHANG YILING PHARMACEUTICAL CO., LTD.  
 2022316399 LIER CHEMICAL CO., LTD.  
 2022319998 COOPERVISION INTERNATIONAL LIMITED  
 2022408465 NGK INSULATORS, LTD.  
 2024216352 TRINA SOLAR CO., LTD.