



**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)<sup>2</sup>, (51)<sup>3</sup>, (51)<sup>4</sup> and (51)<sup>5</sup>.

(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 11 July 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

*Amazentis SA [2024] APO 27*

Patent Application: 2021201143

Title: Compositions comprising an urolithin compound

Patent Applicant: Amazentis SA

Delegate: Dr Scott D. Makin

Decision Date: 28 June 2024

Hearing Date: Written submissions filed on 1 May 2023

Catchwords: **PATENTS** – examiner objection – novelty and inventive step – amended claims are novel – inventive step objection unable to be maintained – amended claims possess an inventive step - combination of features not obvious – consideration of common general knowledge – no motivation to combine documents – hindsight analysis – application accepted

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 11 July 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Dematic Pty Ltd v Genco Industries Pty Ltd [2024] APO 28***

Patent: 2020101007

Title: Racking bay tower construction method

Patentee: Genco Industries Pty Ltd

Opponent: Dematic Pty Ltd

Delegate: Dr David Carberry

Decision Date: 28 June 2024

Hearing Date: 30 April 2024, by Video Conference

Catchwords: **PATENTS** – s101M – entitlement – determination of the inventive concept – inventive concept developed solely by patentee – whether a collaboration existed which gives rise to joint entitlement – no contractual or fiduciary evidence – opponent not entitled to sole or joint inventorship – costs awarded against opponent

Representation: Counsel for the patentee: Ben Fitzpatrick  
Patent attorney for the patentee: Greg Bartlett of Phillips Ormonde Fitzpatrick

Counsel for the opponent: Ian Horak KC  
Solicitor for the opponent: Helen Kavadias of HWL Ebsworth Lawyers

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 11 July 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Andrew Bodlovich and Kevin William (Hogan) Gleeson v Green Camel Pty Limited***  
**[2024] APO 26**

Patent Application: 2017258843

Title: Frameworks and methodologies configured to enable soil-based production of plants

Patent Applicant: Green Camel Pty Limited

Requestors: Andrew Bodlovich and Kevin William (Hogan) Gleeson

Delegate: Felix White

Decision Date: 28 June 2024

Hearing Date: Decision made on the written record

Catchwords: **PATENTS** – s36 – request for declaration on eligibility – determination of the inventive concept – determination of conception of different elements of the inventive concept – scenario of s36(1)(c)(ii) enlivened – requestors added as eligible persons – acceptance postponed under s49A – period for gaining acceptance extended under Reg 13.4(3) – no award of costs

Representation: Patent attorney for the applicant: Adams Pluck  
Patent attorney for the requestors: Allens Patent & Trade Mark Attorneys

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 11 July 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***CQMS Pty Ltd v ESCO Group LLC [2024] APO 29***

Patent Application: 2018201726

Title: Wear part monitoring

Patent Applicant: ESCO Group LLC

Opponent: CQMS Pty Ltd

Delegate: Dr David Carberry

Decision Date: 28 June 2024

Hearing Date: 27 September 2023, by Video Conference  
Further submissions filed 01 December 2023, 22 December 2023, and 12 January 2024

Catchwords: **PATENTS** – opposition to the grant of the patent under s 59 – regulation 5.23 – information provided by the opponent not considered – inventive step – claims have an inventive step with respect to evidence filed – lack of clarity – claims are clear – lack of support – claims contain subject matter not supported by the specification — lack of complete enough disclosure – claims contain subject matter not disclosed by the specification – subsection 60(3) – lack of utility – whether claims meet promised benefit – whether omitted features may be added to the claims – omitted features are not part of common general knowledge – omitted features may not be added to the claim – promised benefit not met over whole scope of the claim – all claims lack utility – opportunity to amend – costs awarded

Representation: Counsel for the applicant: Tom Cordiner KC  
Patent attorney for the applicant: Shyama Jayaswal and Rebecca Dutkowski of Minter Ellison  
Counsel for the opponent: Peter Creighton-Selvay and Amy Surkis  
Patent attorney for the opponent: Alexia Mayer of James & Wells Intellectual Property

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 25 Jun 2024 .

|   |   |   |
|---|---|---|
| (71) Adverto Pty Ltd<br>(21) 2024901966 (22) 27.06.2024<br>(54) INTERACTIVE DIGITAL DISPLAY SYSTEMS AND METHODS FOR OUT-DOOR ADVERTISING  | (71) Aristocrat Technologies Australia Pty Ltd<br>(21) 2024901979 (22) 28.06.2024<br>(54) GAMING DEVICE WITH MYSTERY SYMBOL COLLECTION TRIGGER  | (71) Binnie, R.<br>(21) 2024901937 (22) 26.06.2024<br>(54) Medicinal Vapes  |
| (71) Agriculture Victoria Services Pty Ltd; Dairy Australia Limited; Geoffrey Gardiner Dairy Foundation Limited<br>(21) 2024901940 (22) 26.06.2024<br>(54) System and Method for Pasture Management | (71) Auckland UniServices Limited<br>(21) 2024902047 (22) 02.07.2024<br>(54) Magnetic coupling structure  | (71) Binnie, R.<br>(21) 2024901938 (22) 26.06.2024<br>(54) Medicinal Vapes  |
| (71) Agriculture Victoria Services Pty Ltd; Geoffrey Gardiner Dairy Foundation Limited; Dairy Australia Limited<br>(21) 2024901998 (22) 28.06.2024<br>(54) NITROGEN-FIXING BACTERIA                 | (71) AUDI, P.<br>(21) 2024901973 (22) 27.06.2024<br>(54) A MEASURING TAPE AND A BLADE THEREOF   | (71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD.<br>(21) 2024902029 (22) 01.07.2024<br>(54) A HYDRAULIC DRIVEN DRIVE SHAFT ARRANGEMENT |
| (71) Agriculture Victoria Services Pty Ltd; Dairy Australia Limited; Geoffrey Gardiner Dairy Foundation Limited<br>(21) 2024902003 (22) 28.06.2024<br>(54) BIOPROTECTANT MICROBES                   | (71) Austral Oceanic Services Pty Ltd<br>(21) 2024901981 (22) 28.06.2024<br>(54) Methodology to improve the efficiency of combustion of a fuel and to reduce the toxic emissions from that combustion using water | (71) Breville Pty Limited<br>(21) 2024901985 (22) 28.06.2024<br>(54) Sous vide device   |
| (71) Al-Fiadh, H.<br>(21) 2024902020 (22) 30.06.2024<br>(54) Wireless bluetooth emergency kit   | (71) Autono Drone IP Pty Ltd<br>(21) 2024902032 (22) 01.07.2024<br>(54) System for Loading and Balancing Cargo Drone  | (71) Breville Pty Limited<br>(21) 2024901993 (22) 28.06.2024<br>(54) A Hopper   |
| (71) Amelia Health Pty Ltd<br>(21) 2024901997 (22) 28.06.2024<br>(54) A composition for use within a vagina   | (71) barker, c.<br>(21) 2024901958 (22) 27.06.2024<br>(54) Fixed Front Handle for Supermarket Trolley   | (71) Breville Pty Limited<br>(21) 2024901999 (22) 28.06.2024<br>(54) Pouring assembly   |
| (71) Aristocrat Technologies Australia Pty Ltd<br>(21) 2024901961 (22) 27.06.2024<br>(54) GENERATING DATA FOR PLAYER BEHAVIOUR ANALYSIS   | (71) Autono Drone IP Pty Ltd<br>(21) 2024902032 (22) 01.07.2024<br>(54) System for Loading and Balancing Cargo Drone  | (71) Breville Pty Limited<br>(21) 2024902000 (22) 28.06.2024<br>(54) System and Method for Dispensing Ground Coffee               |
|   | (71) Binnie, R.<br>(21) 2024901936 (22) 26.06.2024<br>(54) Medicinal vapes  | (71) Breville Pty Limited<br>(21) 2024902002 (22) 28.06.2024<br>(54) A jug and method of guiding a user to froth milk             |
|   |   | (71) Breville Pty Limited<br>(21) 2024902007 (22) 28.06.2024<br>(54) Coffee making assembly                                       |

Provisional Applications Filed - Name Index cont'd

(71) Breville Pty Limited  
 (21) 2024902010 (22) 28.06.2024  
 (54) Filter holder with adjustable backpressure

(71) Breville Pty Limited  
 (21) 2024902012 (22) 28.06.2024  
 (54) A button assembly for an appliance

(71) Brodzeli, Z.  
 (21) 2024901839 (22) 17.06.2024  
 (54) Combined communications, sensing and/or guiding systems with optical fibre backbone

(71) Calix Limited  
 (21) 2024901943 (22) 26.06.2024  
 (54) PRODUCTION OF MAGNESIUM METAL

(71) ClearVue Technologies Ltd  
 (21) 2024901946 (22) 26.06.2024  
 (54) Building Unit

(71) Commonwealth Bank of Australia  
 (21) 2024901967 (22) 27.06.2024  
 (54) Systems and methods for translating non-natural language data into natural language data

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024901991 (22) 28.06.2024  
 (54) Methods for capturing sulfur dioxide

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024901992 (22) 28.06.2024  
 (54) Metalloxerogels for selective gas capture

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024902006 (22) 28.06.2024  
 (54) Asymmetric RNA Molecules

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024902008 (22) 28.06.2024  
 (54) RNA Molecules for treating insects

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024902009 (22) 28.06.2024  
 (54) RNA Molecules for treating fungi

(71) Corrigan, J.  
 (21) 2024902031 (22) 01.07.2024  
 (54) DATA COMMUNICATIONS NETWORK AND METHOD FOR RECOMMENDING PET-FRIENDLY LOCATIONS

(71) CSL Behring (Australia) Pty Ltd; Monash University; The University of Queensland  
 (21) 2024901976 (22) 28.06.2024  
 (54) Polymeric membranes and methods of producing same

(71) CSL Behring (Australia) Pty Ltd; Monash University; The University of Queensland  
 (21) 2024901977 (22) 28.06.2024  
 (54) Polymeric membranes and production methods thereof

(71) CYTERX  
 (21) 2024902038 (22) 02.07.2024  
 (54) Smart Ring for Emergency Response with Continuous Health Monitoring

**Dairy Australia Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024901940

**Dairy Australia Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024901998

**Dairy Australia Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024902003

(71) Denham, S.; Mead, D.  
 (21) 2024902036 (22) 01.07.2024  
 (54) Improved Lawn Bowls Support Glove

(71) Donaldson, J.  
 (21) 2024902026 (22) 01.07.2024  
 (54) METHOD AND CONFIGURATION TO ACHIEVE EXTENDED ROAD TRAINS AND THE LIKE

(71) Drop Bio Ltd  
 (21) 2024901941 (22) 26.06.2024  
 (54) METHODS OF IMPROVING QUANTIFIED VALUES FOR MEASURED ANALYTES IN A BIOLOGICAL SAMPLE

(71) ECHOIQ Limited  
 (21) 2024902005 (22) 28.06.2024  
 (54) SYSTEMS AND METHODS FOR AI-ASSISTED ECHOCARDIOGRAPHY

(71) Emelem Pty Ltd  
 (21) 2024901960 (22) 27.06.2024  
 (54) DATA COMMUNICATIONS NETWORK AND METHOD FOR DISSEMINATING INFORMATION TO CONSUMERS

(71) EQUILIBRIUM ENERGY PROJECT PTY LTD  
 (21) 2024901949 (22) 26.06.2024  
 (54) HARMONISED ENERGY AND RENEWABLE TECHNOLOGY SYSTEMS

(71) Formo Bio GmbH  
 (21) 2024901933 (22) 25.06.2024  
 (54) ACM Compositions

(71) Freedom Screens Capital Pty Ltd  
 (21) 2024902030 (22) 01.07.2024  
 (54) RETRACTABLE SCREEN ASSEMBLY

(71) GeneSeq Pty Ltd  
 (21) 2024902028 (22) 01.07.2024  
 (54) Method of diagnosis and treatment of ovarian cancer

**Geoffrey Gardiner Dairy Foundation Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024901940

**Geoffrey Gardiner Dairy Foundation Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024901998

**Geoffrey Gardiner Dairy Foundation Limited see Agriculture Victoria Services Pty Ltd**  
 (21) 2024902003

(71) Good Grub Agritech Limited  
 (21) 2024901965 (22) 27.06.2024  
 (54) PROCESS FOR FEEDSTOCK GENERATION

(71) Gordon, A.  
 (21) 2024902016 (22) 29.06.2024  
 (54) Construction Joint

(71) Gordon, A.  
 (21) 2024902017 (22) 29.06.2024  
 (54) Fibre Fabric Cement

(71) Green 2 Advisory and Consultancy Pty Ltd  
 (21) 2024901988 (22) 28.06.2024  
 (54) POROUS SUBSTRATES FOR CHEMICAL REACTORS



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(71) Greenzone Pest Innovations Pty Ltd  
(21) 2024901972 (22) 27.06.2024  
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(71) Hello Claims Pty Ltd  
(21) 2024901942 (22) 26.06.2024  
(54) Machine learning based damage assessment

(71) HydRIC Desalination Pty Ltd  
(21) 2024901953 (22) 26.06.2024  
(54) Novel, robust and sustainable water treatment

(71) INOVIQ Ltd  
(21) 2024901931 (22) 25.06.2024  
(54) Resin compositions and methods of use

(71) Integrated IP; Rambhatla Enterprises Pty Ltd  
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(54) A PROTECTIVE SUIT DESIGN SYSTEM AND METHOD

(71) Jochem Kruseman Ltd  
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(71) KCDC Hot Water Heaters  
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(54) ELECTRIC HOT WATER MICRO-TANK PREHEATER UNIT

(71) Keats, J.  
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(54) Self-Draining Plant Pot Trolley

(71) KELCO ENGINEERING PTY LTD  
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(54) Orbital Float Switch

(71) LINTTAS Electric Company Pty. Ltd.  
(21) 2024901971 (22) 27.06.2024  
(54) A COMBINE HARVESTER

(71) Lucas Holdings (Queensland) Pty. Ltd.  
(21) 2024901995 (22) 28.06.2024  
(54) TAPERED INTERLOCKING STRUCTURAL PANEL

(71) Marschall, M.  
(21) 2024901947 (22) 26.06.2024  
(54) SYSTEMS AND METHODS FOR CONTAINER STRUCTURES

(71) Matthews, A.  
(21) 2024902033 (22) 01.07.2024  
(54) Construction Apparatus

(71) McGurgan, D.  
(21) 2024901978 (22) 28.06.2024  
(54) Self Closing Vent

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(21) 2024901974 (22) 28.06.2024  
(54) Treatment of C4 photosynthesising plants

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(21) 2024902036

(71) Millynn, B.  
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(54) Automated Active System for Optimal HVAC Hygiene and Efficiencies.

(71) MO CHILL ENTERPRISES PTY LTD  
(21) 2024901950 (22) 26.06.2024  
(54) AN INFLATABLE CUSHION

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(21) 2024901976

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(21) 2024901977

(71) Morrison, M.  
(21) 2024901945 (22) 26.06.2024  
(54) Metal-Glass Composite Material and Method of Manufacture

(71) NewSouth Innovations Pty Limited  
(21) 2024901963 (22) 27.06.2024  
(54) Biosensor

(71) Nova Eye, Inc.  
(21) 2024901959 (22) 27.06.2024  
(54) Braid-reinforced Microcatheter

(71) NTHALMIC HOLDING PTY LTD; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd.  
(21) 2024901939 (22) 26.06.2024  
(54) Smart Wearable Device To Treat Meibomian Gland Deficiencies

(71) Oblit Tech IP Holding Pty Ltd  
(21) 2024901982 (22) 28.06.2024  
(54) Assessment of Marking on Target Surface

(71) Oblit Tech IP Holding Pty Ltd  
(21) 2024901983 (22) 28.06.2024  
(54) Estimation of Skin Types

(71) Oblit Tech IP Holding Pty Ltd  
(21) 2024901984 (22) 28.06.2024  
(54) Predicting Efficacy of Removal of a Marking

(71) OEM NuTech Pty Ltd  
(21) 2024901934 (22) 25.06.2024  
(54) Method for Powder Coating

(71) Parklink Limited; Senior, R.; Senior, N.  
(21) 2024902027 (22) 01.07.2024  
(54) An Aeration Device and Method of Use

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(21) 2024901962

(71) Poulton, E.; Poulton, F.  
(21) 2024901962 (22) 27.06.2024  
(54) BUILDING MATERIAL ROLLER DISPENSER

(71) Pring, G.  
(21) 2024901986 (22) 28.06.2024  
(54) Control of damage to non-structural building elements

(71) ProDigital Pty Limited  
(21) 2024902041 (22) 02.07.2024  
(54) Coin Cell Battery Holder

(71) Rambhatla Enterprises Pty Ltd  
(21) 2024902022 (22) 30.06.2024  
(54) A PROTECTIVE SUIT MANAGEMENT SYSTEM AND BIOASTRONAUTICS ENGINE

(71) Rambhatla Enterprises Pty Ltd  
(21) 2024902023 (22) 30.06.2024  
(54) A PROTECTIVE SUIT DESIGN AND/OR MANUFACTURE SYSTEM AND METHOD

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(21) 2024902024

(71) Rambhatla Enterprises Pty Ltd  
(21) 2024902025 (22) 30.06.2024  
(54) A PROTECTIVE SUIT MANUFACTURE SYSTEM AND METHOD

(71) RANKIN, G.  
(21) 2024901964 (22) 27.06.2024  
(54) BUCKLE FASTENING ACCESSORY, BUCKLE AND BRASSIERE

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(71) RELECTRIFY HOLDINGS PTY LTD  
(21) 2024901952 (22) 26.06.2024  
(54) System for testing with Reactive Current

(71) ResMed Pty Ltd  
(21) 2024901948 (22) 26.06.2024  
(54) VENTS

(71) ResMed Pty Ltd  
(21) 2024901957 (22) 27.06.2024  
(54) A POSITIONING AND STABILISING STRUCTURE FOR PATIENT INTER-FACES AND RESPIRATORY PRESSURE THERAPY DEVICES

(71) Richardson, D.  
(21) 2024902004 (22) 28.06.2024  
(54) Multi Axis rotation machine for vestibular stimulation

(71) Sakr, O.  
(21) 2024901929 (22) 25.06.2024  
(54) ADJUSTABLE PET BED SYSTEM

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(21) 2024902027

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(21) 2024902027

(71) SENSE2 PTY LTD  
(21) 2024901956 (22) 27.06.2024  
(54) Use of Boron-Doped Diamond as a High-Efficiency Thermal and Electrical Conductor for Semiconductor Chips

(71) Shenton Enterprises Pty Ltd  
(21) 2024902001 (22) 28.06.2024  
(54) WATER SANITIZATION PROCESS AND SYSTEM

(71) Sip Ventures Pty Ltd  
(21) 2024901980 (22) 28.06.2024  
(54) LIQUID DISPENSING SYSTEM AND COMPONENTS THEREOF

(71) Solo Dodo Pty Ltd  
(21) 2024901970 (22) 27.06.2024  
(54) IMPROVEMENTS TO FLIP-DOT DISPLAYS

(71) SoundMind Holdings PTY LTD  
(21) 2024902040 (22) 02.07.2024  
(54) Personalized Multi-Factorial Algorithm for Phase-Targeted Auditory Stimulation

(71) Steel-Line Garage Doors Australia Pty Ltd  
(21) 2024902037 (22) 01.07.2024  
(54) Brush seal assembly for roller door

(71) Sunrise Envirotech Pty Ltd  
(21) 2024902035 (22) 01.07.2024  
(54) Process and system for manufacturing composite material

(71) SUREFOOT IP HOLDINGS PTY LTD  
(21) 2024901989 (22) 28.06.2024  
(54) AN IMPROVED PILE

(71) Ta, C.  
(21) 2024902015 (22) 29.06.2024  
(54) Use of Environmental Tides for Aquaculture

(71) Taylor, J.  
(21) 2024902018 (22) 29.06.2024  
(54) Bio Bandage for Tattoo Healing

(71) The Pure Wellness Group Pty Ltd  
(21) 2024901987 (22) 28.06.2024  
(54) Sleep-related product fabric

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(21) 2024901976

The University of Queensland see CSL Behring (Australia) Pty Ltd  
(21) 2024901977

(71) The University of Sydney  
(21) 2024902042 (22) 02.07.2024  
(54) Apparatus and method to collect respirable drug particles

(71) THOMS, D.  
(21) 2024901994 (22) 28.06.2024  
(54) SECURING SYSTEM

(71) Upton, J.  
(21) 2024902013 (22) 29.06.2024  
(54) Adaptive Socket Assembly

(71) USOco Pty Ltd  
(21) 2024901944 (22) 26.06.2024  
(54) Laundry Hamper

(71) USOco Pty Ltd  
(21) 2024901968 (22) 27.06.2024  
(54) Toilet Roll Dispensing Apparatus

(71) Wedding Taskers  
(21) 2024901969 (22) 27.06.2024  
(54) Personalised Digital Wedding Planner with Integrated Google Suite Tools and Mental Health Support

(71) Wedding Taskers  
(21) 2024901996 (22) 28.06.2024  
(54) Platform for Connecting Engaged Couples with Wedding Vendors

(71) Xero Limited  
(21) 2024901930 (22) 25.06.2024  
(54) Methods and systems for associating data objects

(71) Yazdani, N.  
(21) 2024901954 (22) 26.06.2024  
(54) Combination Therapy of Phentermine and Aripiprazole for Appetite Suppression

(71) Younan, M.  
(21) 2024902011 (22) 28.06.2024  
(54) The Mikiloo trigger is crafted from robust ABS plastic, ensuring long-lasting use. The nozzle, includes its spinning tip, its made from anti-corrosion stainless steel, providing reliable performance over time. This design allows the device to swiftly and effortlessly clean a recreational toilet cassette, all without the need for toxic chemicals. With Mikiloo, you can be confident that no spot will be overlooked.

(71) Yttrium Limited  
(21) 2024901975 (22) 28.06.2024  
(54) Frame for reinforced concrete

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(21) 2024901939

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| <b>2024901932</b> | Auret, D.  | <b>2024901996</b> | Wedding Taskers  |
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| <b>2024901943</b> | Calix Limited  | <b>2024902006</b> | Commonwealth Scientific and Industrial Research Organisation   |
| <b>2024901944</b> | USOco Pty Ltd  | <b>2024902007</b> | Breville Pty Limited   |
| <b>2024901945</b> | Morrison, M.   | <b>2024902008</b> | Commonwealth Scientific and Industrial Research Organisation   |
| <b>2024901946</b> | ClearVue Technologies Ltd  | <b>2024902009</b> | Commonwealth Scientific and Industrial Research Organisation   |
| <b>2024901947</b> | Marschall, M.  | <b>2024902010</b> | Breville Pty Limited   |
| <b>2024901948</b> | ResMed Pty Ltd   | <b>2024902011</b> | Yunan, M.  |
| <b>2024901949</b> | EQUILIBRIUM ENERGY PROJECT PTY LTD   | <b>2024902012</b> | Breville Pty Limited   |
| <b>2024901950</b> | MO CHILL ENTERPRISES PTY LTD   | <b>2024902013</b> | Upton, J.  |
| <b>2024901951</b> | KELCO ENGINEERING PTY LTD  | <b>2024902015</b> | Ta, C.   |
| <b>2024901952</b> | RELECTRIFY HOLDINGS PTY LTD  | <b>2024902016</b> | Gordon, A.   |
| <b>2024901953</b> | HydRIC Desalination Pty Ltd  | <b>2024902017</b> | Gordon, A.   |
| <b>2024901954</b> | Yazdani, N.  | <b>2024902018</b> | Taylor, J.   |
| <b>2024901955</b> | Jochem Kruseman Ltd  | <b>2024902019</b> | Keats, J.  |
| <b>2024901956</b> | SENSE2 PTY LTD   | <b>2024902020</b> | Al-Fiadh, H.   |
| <b>2024901957</b> | ResMed Pty Ltd   | <b>2024902021</b> | KCDC Hot Water Heaters   |
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| <b>2024901965</b> | Good Grub Agritech Limited   | <b>2024902029</b> | BLUEGREEN POWER TECHNOLOGIES PTY. LTD.   |
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| <b>2024901984</b> | Oblit Tech IP Holding Pty Ltd  |                   |  |
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Applications listed below were processed through the Patent Office Canberra during the period ending 25 Jun 2024 .

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

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| <p>(71) Ad Fontes Media, Inc.<br/>(21) 2024204567 (22) 01.07.2024<br/>(54) DISPLAY AND ANALYSIS SYSTEM FOR MEDIA CONTENT</p>                                      | <p>RELATED DISEASES OR DIS-ORDERS</p> <hr/> <p>(71) Alumac Industries Pty Ltd<br/>(21) 2024204495 (22) 28.06.2024<br/>(54) Modular Window Shroud Assembly</p> | <p>(54) Handwriting entry on an electronic device</p> <hr/> <p>(71) AqueSys, Inc.<br/>(21) 2024204446 (22) 27.06.2024<br/>(54) Intraocular shunt inserter</p>                    |
| <p>(71) Air Products and Chemicals, Inc.<br/>(21) 2024204422 (22) 27.06.2024<br/>(54) INTEGRATED NITROGEN REJECTION FOR LIQUEFACTION OF NATURAL GAS</p>           | <p>(71) Amgen Inc.<br/>(21) 2024204411 (22) 27.06.2024<br/>(54) Systems and methods for remotely processing data collected by a drug delivery device</p>      | <p>(71) Aragon Pharmaceuticals, Inc.<br/>(21) 2024204555 (22) 01.07.2024<br/>(54) Anti-androgens for the treatment of non-metastatic castrate-resistant prostate cancer</p>      |
| <p>(71) Aktiebolaget SKF<br/>(21) 2024204482 (22) 28.06.2024<br/>(54) GREASE RETAINING AND OIL METERING DEVICE FOR A ROLLER BEARING UNIT</p>                      | <p>(71) Angel Group Co., Ltd.<br/>(21) 2024204356 (22) 25.06.2024<br/>(54) FRAUD DETECTION SYSTEM IN CASINO</p>   | <p>(71) ARCHER DANIELS MIDLAND COMPANY<br/>(21) 2024204361 (22) 26.06.2024<br/>(54) LECITHIN COMPOSITIONS AND METHODS OF MAKING AND USING SUCH LECITHIN COMPOSITIONS</p>         |
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| <p>(71) Allogene Therapeutics, Inc.<br/>(21) 2024204433 (22) 27.06.2024<br/>(54) Modified caspase-9 polypeptides and methods of use thereof</p>                   | <p>(71) Angel Group Co., Ltd.<br/>(21) 2024204552 (22) 01.07.2024<br/>(54) FRAUD DETECTION SYSTEM IN CASINO</p>   | <p>(71) Aristocrat Technologies Australia Pty Limited<br/>(21) 2024204492 (22) 28.06.2024<br/>(54) A GAMING MACHINE AND A METHOD OF OPERATING A GAMING MACHINE</p>               |
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| <p>(71) Alpine Immune Sciences, Inc.<br/>(21) 2024204559 (22) 01.07.2024<br/>(54) Multi-domain immunomodulatory proteins and methods of use thereof</p>           | <p>(71) Apple Inc.<br/>(21) 2024204396 (22) 26.06.2024<br/>(54) Handwriting entry on an electronic device</p>   | <p>(71) Aristocrat Technologies Australia Pty Limited<br/>(21) 2024204540 (22) 30.06.2024<br/>(54) A METHOD OF ENABLING RESTORATION OF GAMES AND A METHOD OF RESTORING GAMES</p> |
| <p>(71) ALS THERAPY DEVELOPMENT INSTITUTE<br/>(21) 2024204572 (22) 02.07.2024<br/>(54) ANTI-CD40L ANTIBODIES AND METHODS FOR TREATING CD40L-</p>                  | <p>(71) Apple Inc.<br/>(21) 2024204400 (22) 26.06.2024</p>  |  |

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|--|--|--|
| (71) Aristocrat Technologies Australia Pty Limited<br>(21) 2024204541 (22) 30.06.2024<br>(54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  | <b>Berend, K.R. see Midwest Training and Development Services, LLC</b><br>(21) 2024204481  | ganese complex salt catalyst, bleaching formulation and cleaning agent comprising the same   |
| (71) Aristocrat Technologies Australia Pty Limited<br>(21) 2024204542 (22) 30.06.2024<br>(54) A METHOD OF OPERATING A GAMING SYSTEM, AN ELECTRONIC GAMING SYSTEM AND AN ELECTRONIC GAME CONTROLLER | (71) Berlin-Chemie AG<br>(21) 2024204404 (22) 26.06.2024<br>(54) Pharmaceutical combinations comprising an anti-LY75 antibody                          | (71) CBAR Industrial Resources<br>(21) 2024204527 (22) 28.06.2024<br>(54) Bolt preventative use locking device   |
| (71) Aristocrat Technologies Australia Pty Limited<br>(21) 2024204543 (22) 30.06.2024<br>(54) METHOD AND SYSTEM OF DISTRIBUTING PROGRESSIVE GAMING RELATED INFORMATION                             | (71) Berry Global, Inc<br>(21) 2024204544 (22) 30.06.2024<br>(54) A Plant Shelter And Kit Including The Same   | (71) CFPH, LLC<br>(21) 2024204399 (22) 26.06.2024<br>(54) SYSTEMS AND METHODS FOR MANAGING MONEY FROM MULTIPLE PLAYERS   |
| (71) Astraea Therapeutics, LLC<br>(21) 2024204437 (22) 27.06.2024<br>(54) PIPERIDINYL NOCICEPTIN RECEPTOR COMPOUNDS  | <b>Björklund, T. see Davidsson, M.</b><br>(21) 2024204557  | (71) CFPH, LLC<br>(21) 2024204435 (22) 27.06.2024<br>(54) COLLUSION DETECTION  |
| (71) Azari, N.<br>(21) 2024204355 (22) 25.06.2024<br>(54) A FOLDING, SWIVEL AND ACCESSIBLE TABLE FOR INDIVIDUALS WITH DISABILITY AND COGNITIVE IMPAIRMENT  | (71) Blackhawk Network, Inc.<br>(21) 2024204438 (22) 27.06.2024<br>(54) Prepaid card with savings feature  | (71) Cohere Technologies, Inc.<br>(21) 2024204414 (22) 27.06.2024<br>(54) LOCALIZATION AND AUTO-CALIBRATION IN A WIRELESS NETWORK                              |
| (71) BASF Agricultural Solutions Seed US LLC<br>(21) 2024204447 (22) 27.06.2024<br>(54) Canola hybrid AN22LR010  | (71) Blackhawk Network, Inc.<br>(21) 2024204497 (22) 28.06.2024<br>(54) Open payment network   | (71) COS IPT Pty Ltd<br>(21) 2024204407 (22) 26.06.2024<br>(54) APPARATUS FOR STORING ORGANIC MATERIAL   |
| (71) Baxter Healthcare SA; Baxter International Inc.<br>(21) 2024204512 (22) 28.06.2024<br>(54) PARENTERAL NUTRITION DIAGNOSTIC SYSTEM, APPARATUS, AND METHOD                                      | (71) Blackhawk Network, Inc.<br>(21) 2024204500 (22) 28.06.2024<br>(54) Open payment network   | (71) COS IPT Pty Ltd<br>(21) 2024204408 (22) 26.06.2024<br>(54) APPARATUS FOR STORING ORGANIC MATERIAL   |
| <b>Baxter International Inc. see Baxter Healthcare SA</b><br>(21) 2024204512   | (71) Borg Manufacturing Pty Limited<br>(21) 2024204460 (22) 27.06.2024<br>(54) A joining strip and a panel assembly employing the joining strip        | (71) Crown Equipment Corporation<br>(21) 2024204393 (22) 26.06.2024<br>(54) WHEEL ASSEMBLY WITH SENSOR FOR MEASURING WHEEL MOVEMENT                            |
| (71) Bayer HealthCare LLC<br>(21) 2024204490 (22) 28.06.2024<br>(54) Fluid path impedance assessment for improving fluid delivery performance  | (71) CarbonCure Technologies Inc.<br>(21) 2024204515 (22) 28.06.2024<br>(54) Methods and compositions for treatment of concrete wash water             | (71) Crown Equipment Corporation<br>(21) 2024204528 (22) 28.06.2024<br>(54) Systems and methods for vehicle position calibration using rack leg identification |
| (71) Beijing Roborock Technology Co., Ltd.<br>(21) 2024204451 (22) 27.06.2024<br>(54) Cleaning assembly and smart cleaning device  | (71) CATERPILLAR INC.<br>(21) 2024204418 (22) 27.06.2024<br>(54) LINEAR ACTUATOR-BASED RIDE CONTROL  | (71) Custom Golf International Pty Ltd<br>(21) 2024204434 (22) 27.06.2024<br>(54) GOLF TEE   |
|  | (71) CATERPILLAR INC.<br>(21) 2024204450 (22) 27.06.2024<br>(54) LOAD BASED TRACKING ASSIST  |  |
|  | (71) CATERPILLAR INC.<br>(21) 2024204494 (22) 28.06.2024<br>(54) SYSTEM AND METHOD FOR DETERMINING CONNECTION STATUS OF BATTERY SYSTEM OF WORK MACHINE | (71) Daiichi Sankyo Company, Limited; Daiichi Sankyo Europe GmbH<br>(21) 2024204502 (22) 28.06.2024<br>(54) ANTI-HER3 ANTIBODY-DRUG CONJUGATE                  |
|  | (71) Catexel GmbH<br>(21) 2024204389 (22) 26.06.2024<br>(54) Liquid formulation comprising an alcohol and highly water soluble man-                    | <b>Daiichi Sankyo Europe GmbH see Daiichi Sankyo Company, Limited</b><br>(21) 2024204502   |

Complete Applications Filed - Name Index cont'd

**DAVID SPIEGEL see ALEXANDER JOHN LEVINE**  
(21) 2024204580

(71) Davidsson, M.; Björklund, T.  
(21) 2024204557 (22) 01.07.2024  
(54) Modified Viral Capsids

(71) DEB IP LIMITED  
(21) 2024204442 (22) 27.06.2024  
(54) Dispenser assembly

(71) DEB IP LIMITED  
(21) 2024204443 (22) 27.06.2024  
(54) Dispenser assembly

(71) Deere & Company  
(21) 2024204364 (22) 26.06.2024  
(54) Nip system in a module wrap feed arrangement

(71) Deere & Company  
(21) 2024204424 (22) 27.06.2024  
(54) Camera driven section control delay

(71) Deere & Company  
(21) 2024204428 (22) 27.06.2024  
(54) Arrangement for detecting a possible deviation of an agricultural vehicle from a target path when working on plants grown in rows, corresponding vehicle and method

(71) Deere & Company  
(21) 2024204436 (22) 27.06.2024  
(54) Laser receiver height adjustment

(71) Deere & Company  
(21) 2024204475 (22) 28.06.2024  
(54) Wrap floor control

(71) DEKA Products Limited Partnership  
(21) 2024204377 (22) 26.06.2024  
(54) BLOOD TREATMENT SYSTEMS AND METHODS

(71) Dexcom, Inc.  
(21) 2024204476 (22) 28.06.2024  
(54) Systems and methods for inter-app communications

(71) Dolby International AB  
(21) 2024204426 (22) 27.06.2024  
(54) Audio Upmixer Operable in Prediction or Non-Prediction Mode

(71) Dolby International AB  
(21) 2024204430 (22) 27.06.2024

(54) Cross Product Enhanced Subband Block Based Harmonic Transposition

(71) Dolby International AB  
(21) 2024204440 (22) 27.06.2024  
(54) Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter

(71) Dolby International AB  
(21) 2024204455 (22) 27.06.2024  
(54) Improved Harmonic Transposition

(71) Dong Guan Wealth Sporting Goods., Ltd.  
(21) 2024204569 (22) 01.07.2024  
(54) EASY-TO-DISASSEMBLE CONNECTOR AND SPORT TRAINING EQUIPMENT

(71) Dreame Innovation Technology (Suzhou) Co., Ltd.  
(21) 2024204570 (22) 01.07.2024  
(54) MOVEMENT CONTROL METHOD FOR CLEANING ROBOT, CLEANING ROBOT, AND STORAGE MEDIUM

(71) Ducati Motor Holding S.p.A.  
(21) 2024204423 (22) 27.06.2024  
(54) Vehicle with at least two wheels and with swingarm having adjustable lateral stiffness

(71) Dynamic Biologics Inc.  
(21) 2024204581 (22) 02.07.2024  
(54) LEVODOPA FATTY ACID DERIVATIVES, FORMULATIONS THEREOF, AND THEIR USES FOR THE TREATMENT OF PARKINSON'S DISEASE

(71) EASYQUIP PTY LTD  
(21) 2024204402 (22) 26.06.2024  
(54) IMPROVED STORAGE CONTAINER LID AND APPARATUS

(71) Ecolab USA Inc.  
(21) 2024204398 (22) 26.06.2024  
(54) Selective detection of bed bugs

(71) Eddy Current Limited Partnership  
(21) 2024204359 (22) 26.06.2024  
(54) A Variable Behaviour Control Mechanism for a Motive System

(71) Edwards Lifesciences Corporation  
(21) 2024204489 (22) 28.06.2024  
(54) Removable volume indicator for syringe

(71) Electrans Technologies Ltd.  
(21) 2024204571 (22) 01.07.2024

(54) METHODS AND APPARATUS FOR AN ACTIVE CONVERTOR DOLLY

(71) Eli Lilly and Company  
(21) 2024204375 (22) 26.06.2024  
(54) Methods and systems for generating behavioral insights using survey instruments and diabetes treatment information

(71) ELI LILLY AND COMPANY  
(21) 2024204510 (22) 28.06.2024  
(54) Medication Delivery Device with Moisture Sensing System

(71) Enable Injections, Inc.  
(21) 2024204432 (22) 27.06.2024  
(54) PRESSURIZED GAS POWERED LIQUID TRANSFER DEVICE AND SYSTEM

(71) Equipment Management Australia Pty Ltd  
(21) 2024204499 (22) 28.06.2024  
(54) DEVICE AND METHOD FOR HANDLING CROSS ARMS

(71) Esperion Therapeutics, Inc.  
(21) 2024204369 (22) 26.06.2024  
(54) Fixed dose formulations

(71) EVE ENERGY CO., LTD.  
(21) 2024204509 (22) 28.06.2024  
(54) CONTROL CIRCUIT OF ENERGY STORAGE SYSTEM, METHOD, AND ENERGY STORAGE SYSTEM

(71) EVE POWER CO., LTD.  
(21) 2024204535 (22) 29.06.2024  
(54) CELL CONTROL BOARD AND ENERGY STORAGE SYSTEM

(71) EXEL Industries  
(21) 2024204466 (22) 28.06.2024  
(54) Garden fluid flow connectors

(71) Fiorini Packaging S.P.A.  
(21) 2024204546 (22) 30.06.2024  
(54) Bag Having A Reinforcing Element Equipped With A Window

(71) Frank's International, LLC  
(21) 2024204549 (22) 30.06.2024  
(54) Quick Bail System

(71) Freeport Minerals Corporation  
(21) 2024204441 (22) 27.06.2024  
(54) Systems, devices and methods for improved efficiency of ball mills

Complete Applications Filed - Name Index cont'd

(71) Freia Offshore AB  
 (21) 2024204565 (22) 01.07.2024  
 (54) Floating wind power platform with tension leg device

(71) Frequentis AG  
 (21) 2024204547 (22) 30.06.2024  
 (54) Voice Communication System

**Fundacio Privada Institutio Catalana de Recerca I Estudis Avancats see MedImmune Limited**  
 (21) 2024204564

**Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron see MedImmune Limited**  
 (21) 2024204564

(71) Future Health Works Ltd.  
 (21) 2024204390 (22) 26.06.2024  
 (54) Computer based object detection within a video or image

(71) Gadd, N.  
 (21) 2024204566 (22) 01.07.2024  
 (54) FORMATION STABILISATION APPARATUS

(71) General Electric Company  
 (21) 2024204448 (22) 27.06.2024  
 (54) SYSTEM AND METHOD FOR ATOMIZED POWDER PROCESSING AND A PROCESSED POWDER

(71) GILLIES, J.; HAYNES, M.  
 (21) 2024204372 (22) 26.06.2024  
 (54) Monitoring arrangement for extra low voltage power system

(71) Glaukos Corporation  
 (21) 2024204388 (22) 26.06.2024  
 (54) Intraocular physiological sensor

(71) Grey Market Labs, PBC  
 (21) 2024204413 (22) 27.06.2024  
 (54) Systems and methods for controlling data exposure using artificial-intelligence-based modeling

(71) Haldor Topsøe A/S  
 (21) 2024204405 (22) 26.06.2024  
 (54) Autothermal ammonia cracking process

(71) Halliburton Energy Services, Inc.  
 (21) 2024204478 (22) 28.06.2024

(54) LATERAL TUBING SUPPORT OF A MULTI-LATERAL JUNCTION ASSEMBLY

(71) Hari Babu, S.  
 (21) 2024204484 (22) 28.06.2024  
 (54) PICKLEBALL TRAINING AND PRACTICE AID

(71) Hari Babu, S.  
 (21) 2024204486 (22) 28.06.2024  
 (54) PIKLBELL

(71) Hart, K.  
 (21) 2024204537 (22) 29.06.2024  
 (54) Doona Cover Securing Device System

**HAYNES, M. see GILLIES, J.**  
 (21) 2024204372

(71) Heliogen Holdings, Inc.  
 (21) 2024204360 (22) 26.06.2024  
 (54) Modular inliner assembly for a centrifugal particle receiver

(71) HMT Technology International Limited  
 (21) 2024204554 (22) 01.07.2024  
 (54) ELECTRIC FIELD GENERATION

(71) HONEYWELL INTERNATIONAL INC.  
 (21) 2024204504 (22) 28.06.2024  
 (54) METHOD AND SYSTEM FOR THE HIERARCHICAL SCHEDULING OF ENERGY FLOWS IN MICROGRIDS DEPLOYING BATTERY ENERGY STORAGE SYSTEMS

(71) Hooga Holdings Pty Limited  
 (21) 2024204387 (22) 26.06.2024  
 (54) IMAGE AND MESSAGE MANAGEMENT AND ARCHIVING FOR EVENTS

(71) Huawei Technologies Co., Ltd.  
 (21) 2024204348 (22) 25.06.2024  
 (54) GROUP ADDRESSED TRAFFIC TRANSMISSION METHOD APPLICABLE TO PLURALITY OF LINKS AND APPARATUS

(71) Huawei Technologies Co., Ltd.  
 (21) 2024204376 (22) 26.06.2024  
 (54) ACCESS POINT AP MULTI-LINK DEVICE DISCOVERY METHOD AND RELATED APPARATUS

(71) Huawei Technologies Co., Ltd.  
 (21) 2024204445 (22) 27.06.2024  
 (54) An encoder, a decoder and corresponding methods for sub-block partitioning mode

(71) Huawei Technologies Co., Ltd.  
 (21) 2024204477 (22) 28.06.2024  
 (54) MULTI-LINK DEVICE PROBING METHOD AND COMMUNICATION APPARATUS

(71) Huawei Technologies Co., Ltd.  
 (21) 2024204488 (22) 28.06.2024  
 (54) DATA TRANSMISSION METHOD AND DEVICE, CHIP SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM

(71) HUAWEI TECHNOLOGIES CO., LTD.  
 (21) 2024204378 (22) 26.06.2024  
 (54) INDICATION METHOD AND DETERMINATION METHOD FOR NOMINAL PACKET PADDING VALUE, AND COMMUNICATION APPARATUS

(71) Human Aerospace Pty Ltd  
 (21) 2024204533 (22) 29.06.2024  
 (54) Adjustable compression band, apparatus and garment

(71) Ibenrus, Inc.  
 (21) 2024204558 (22) 01.07.2024  
 (54) Bispecific proteins and methods for preparing same

(71) IDEMIA France  
 (21) 2024204382 (22) 26.06.2024  
 (54) Connectable electronic module comprising clusters of secure elements

(71) IDEXX Laboratories Inc.  
 (21) 2024204395 (22) 26.06.2024  
 (54) Point-of-care diagnostic systems and containers for same

(71) Illinois Tool Works Inc.  
 (21) 2024204507 (22) 28.06.2024  
 (54) A binding tool

(71) Illumina, Inc.  
 (21) 2024204508 (22) 28.06.2024  
 (54) Polynucleotide enrichment using CRISPR-Cas systems

(71) Immutep S.A.S; Novartis AG  
 (21) 2024204473 (22) 28.06.2024  
 (54) Antibody molecules to LAG-3 and uses thereof

(71) International Business Machines Corporation  
 (21) 2024204380 (22) 26.06.2024  
 (54) Event correlation in fault event management

Complete Applications Filed - Name Index cont'd

(71) Intuit Inc.  
(21) 2024204456 (22) 27.06.2024  
(54) Transaction classification based on transaction time predictions

(71) Ionis Pharmaceuticals, Inc.  
(21) 2024204501 (22) 28.06.2024  
(54) Modulating apolipoprotein (a) expression

(71) Ishihara Sangyo Kaisha, Ltd.  
(21) 2024204521 (22) 28.06.2024  
(54) Flaky titanate and method for production thereof, and use thereof

(71) Janssen Biotech, Inc.  
(21) 2024204514 (22) 28.06.2024  
(54) Human anti-IL-23 antibodies, compositions, methods and uses

(71) Kerry Group Services International Ltd  
(21) 2024204367 (22) 26.06.2024  
(54) Lactase enzymes with improved properties

(71) Kerry Group Services International Ltd  
(21) 2024204415 (22) 27.06.2024  
(54) Lactase enzymes with improved activity at low temperatures

(71) KNOW Bio, LLC  
(21) 2024204469 (22) 28.06.2024  
(54) Treatment of central nervous system disorders

(71) L.E.A.F. Holdings Group LLC  
(21) 2024204412 (22) 27.06.2024  
(54) Carotenoid Compositions and Uses Thereof

(71) L'OREAL  
(21) 2024204453 (22) 27.06.2024  
(54) Transparent Cleanser Composition

(71) L'OREAL  
(21) 2024204461 (22) 27.06.2024  
(54) Transparent cleanser composition

(71) LanzaTech, Inc.  
(21) 2024204385 (22) 26.06.2024  
(54) Use of Fermentation Tail Gas in Integrated Gasification and Gas Fermentation System

(71) Largo Clean Energy Corp.  
(21) 2024204427 (22) 27.06.2024  
(54) System and Method for On-Site VRFB Electrolyte Purification

(71) LOCKHEED MARTIN CORPORATION  
(21) 2024204449 (22) 27.06.2024  
(54) SYSTEMS AND METHODS FOR OPERATING A WIRELESS HARNESS AUTOMATED MEASUREMENT SYSTEM

(71) LOCKHEED MARTIN CORPORATION  
(21) 2024204452 (22) 27.06.2024  
(54) SYSTEMS AND METHODS FOR WIRELESS TEST MODULES OF A WIRELESS HARNESS AUTOMATED MEASUREMENT SYSTEM

(71) LSE R&D ENGINEERING LIMITED  
(21) 2024204520 (22) 28.06.2024  
(54) Intake and exhaust valve system for an internal combustion engine

(71) MedImmune Limited; Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron; Fundacio Privada Institutio Catalana de Recerca I Estudis Avancats  
(21) 2024204564 (22) 01.07.2024  
(54) COMBINATION OF LIF INHIBITORS AND PLATINUM-BASED ANTINEOPLASTIC AGENTS FOR USE IN TREATING CANCER

(71) Meehan, A.  
(21) 2024204403 (22) 26.06.2024  
(54) Road rejuvenator

(71) Memorial Sloan-Kettering Cancer Center  
(21) 2024204457 (22) 27.06.2024  
(54) Methods and compositions for reducing vancomycin-resistant enterococci infection or colonization

(71) Merdury Biopharmaceutical Corporation  
(21) 2024204465 (22) 28.06.2024  
(54) ORAL PEPTIDE DRUG STRUCTURE AND MANUFACTURING METHOD THEREOF

(71) Methodical Mind, LLC.  
(21) 2024204513 (22) 28.06.2024  
(54) Graphical user interface system

(71) Midwest Training and Development Services, LLC; Zochowski, C.G.; Bernd, K.R.  
(21) 2024204481 (22) 28.06.2024  
(54) Negative pressure wound apposition dressing system

(71) Nearshore Natural Gas, LLC  
(21) 2024204485 (22) 28.06.2024

(54) Compressed natural gas storage and transportation system

nelson, s. see Waller, K.  
(21) 2024204545

(71) NEWTECH WELLNESS CO.,LTD.  
(21) 2024204401 (22) 26.06.2024  
(54) Vertical pulldown machine

Novartis AG see Immutep S.A.S  
(21) 2024204473

(71) NXT Building System Pty Ltd  
(21) 2024204374 (22) 26.06.2024  
(54) Building System

(71) NZ Investment and Trading Limited  
(21) 2024204454 (22) 27.06.2024  
(54) APPARATUS, SYSTEM AND METHOD OF INSTALLING WINDOW ELEMENTS AND ASSEMBLIES

(71) Open Invest Co.  
(21) 2024204496 (22) 28.06.2024  
(54) Electronic voting assistant

(71) Opus RV Pty Ltd  
(21) 2024204463 (22) 27.06.2024  
(54) Improvements Relating to Camping Assemblies

(71) Opus RV Pty Ltd  
(21) 2024204471 (22) 28.06.2024  
(54) Improvements Relating to Camping Assemblies

(71) OxRock Pty Ltd  
(21) 2024204381 (22) 26.06.2024  
(54) Grease dispensing system

(71) OZX IP Pty Ltd  
(21) 2024204420 (22) 27.06.2024  
(54) Odometer system for a recreational vehicle

(71) Paratus Holdings Pty Ltd  
(21) 2024204550 (22) 30.06.2024  
(54) Parachute line threading and winding device

(71) Peloton Interactive, Inc.  
(21) 2024204439 (22) 27.06.2024  
(54) EXERCISE SYSTEM AND METHOD

(71) Pirouette Medical Inc.  
(21) 2024204518 (22) 28.06.2024  
(54) COMPACT AUTO-INJECTOR



Complete Applications Filed - Name Index cont'd

|  |  |   |
|--|--|---|
| (71) Polaris Industries Inc.<br>(21) 2024204472 (22) 28.06.2024<br>(54) Frame assembly for a utility vehicle                                     | (71) Precision Planting LLC<br>(21) 2024204536 (22) 29.06.2024<br>(54) Seed trench closing sensors   | (71) Samsonite IP Holdings S.à r.l.<br>(21) 2024204416 (22) 27.06.2024<br>(54) LUGGAGE ARTICLE WITH SEPARABLE MAIN BODY COMPARTMENTS  |
| (71) Pratt Corrugated Holdings, Inc.<br>(21) 2024204391 (22) 26.06.2024<br>(54) LINER  | (71) President and Fellows of Harvard College<br>(21) 2024204479 (22) 28.06.2024<br>(54) RNA-guided transcriptional regulation                   | (71) Sandvik Mining and Construction Oy<br>(21) 2024204409 (22) 27.06.2024<br>(54) APPARATUS, ROCK DRILLING RIG AND DRILLING METHOD   |
| (71) Praxair Technology, Inc.<br>(21) 2024204538 (22) 29.06.2024<br>(54) Mobile support assembly for holding and transporting a container        | (71) Prolacta Bioscience, Inc.<br>(21) 2024204350 (22) 25.06.2024<br>(54) Purified human milk oligosaccharides compositions                      | (71) Seattle Children's Hospital (dba Seattle Children's Research Institute)<br>(21) 2024204421 (22) 27.06.2024<br>(54) Therapeutic genome editing in Wiskott-Aldrich syndrome and X-linked thrombocytopenia  |
| (71) Precision Planting LLC<br>(21) 2024204511 (22) 28.06.2024<br>(54) Systems and apparatuses for soil and seed monitoring                      | (71) Qualyst Transporter Solutions, LLC<br>(21) 2024204363 (22) 26.06.2024<br>(54) UTILITY OF PROTEIN IN THE PREDICTION OF IN VIVO EFFECTS       | (71) Seattle Children's Hospital (DBA Seattle Children's Research Institute)<br>(21) 2024204425 (22) 27.06.2024<br>(54) METHODS OF EXOGENOUS DRUG ACTIVATION OF CHEMICAL-INDUCED SIGNALING COMPLEXES EXPRESSED IN ENGINEERED CELLS IN VITRO AND IN VIVO |
| (71) Precision Planting LLC<br>(21) 2024204516 (22) 28.06.2024<br>(54) Systems and apparatuses for soil and seed monitoring                      | (71) Reeves, J.<br>(21) 2024204506 (22) 28.06.2024<br>(54) IMPROVED ILLUMINATED VEHICLE SIGN   | (71) Seminis Vegetable Seeds, Inc.<br>(21) 2024204371 (22) 26.06.2024<br>(54) Broccoli hybrid SVBL4467 and parents thereof  |
| (71) Precision Planting LLC<br>(21) 2024204519 (22) 28.06.2024<br>(54) Systems and apparatuses for soil and seed monitoring                      | (71) RevBio, Inc.<br>(21) 2024204498 (22) 28.06.2024<br>(54) Formulation and packaging of compositions   | (71) Sheng San Co., Ltd.<br>(21) 2024204365 (22) 26.06.2024<br>(54) Planting column   |
| (71) Precision Planting LLC<br>(21) 2024204524 (22) 28.06.2024<br>(54) Systems and apparatuses for soil and seed monitoring                      | (71) Rigetti & Co, LLC<br>(21) 2024204410 (22) 27.06.2024<br>(54) Performing a calibration process in a quantum computing system                 | (71) SHIH, C.<br>(21) 2024204474 (22) 28.06.2024<br>(54) Anti-pinch electric bed  |
| (71) Precision Planting LLC<br>(21) 2024204526 (22) 28.06.2024<br>(54) Systems and apparatuses for soil and seed monitoring                      | (71) RIGHT GROUP CENTRAL CO., LTD.<br>(21) 2024204532 (22) 29.06.2024<br>(54) HANGING RACK TYPE SCREEN PROTECTOR                                 | (71) Silgan Containers LLC<br>(21) 2024204561 (22) 01.07.2024<br>(54) METAL SHOT CUP  |
| (71) Precision Planting LLC<br>(21) 2024204529 (22) 28.06.2024<br>(54) Soil sensing systems and implements for sensing different soil parameters | (71) RV Electronics Pty Ltd<br>(21) 2024204503 (22) 28.06.2024<br>(54) Power Assist Device for Trailer Hand Brakes                               | (71) SITA Information Networking Computing USA, Inc.<br>(21) 2024204349 (22) 25.06.2024<br>(54) SYSTEM AND APPARATUS FOR RESOURCE MANAGEMENT  |
| (71) Precision Planting LLC<br>(21) 2024204530 (22) 28.06.2024<br>(54) Soil sensing systems and implements for sensing different soil parameters | (71) SAGEMCOM BROADBAND SAS<br>(21) 2024204563 (22) 01.07.2024<br>(54) METHOD FOR AUTOMATICALLY RESTORING FUNCTIONALITY IN A RESIDENTIAL GATEWAY | (71) SMRT CORPORATION LTD<br>(21) 2024204517 (22) 28.06.2024<br>(54) A SYSTEM AND METHOD FOR PROVIDING A SIMULATION OF A TRANSPORTATION NETWORK   |
| (71) Precision Planting LLC<br>(21) 2024204531 (22) 28.06.2024<br>(54) Soil sensing systems and implements for sensing different soil parameters | (71) Sagemcom Energy & Telecom SAS<br>(21) 2024204459 (22) 27.06.2024<br>(54) Detecting humidity by measuring impedance between two tracks       | (71) Snap-on Incorporated<br>(21) 2024204467 (22) 28.06.2024<br>(54) Modular vise   |
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(71) Spinal Modulation, Inc.  
(21) 2024204429 (22) 27.06.2024  
(54) METHODS, SYSTEMS AND DEVICES FOR REDUCING MIGRATION

(71) Stahlkontor GmbH & Co. Kg  
(21) 2024204444 (22) 27.06.2024  
(54) DUAL LASER-HYBRID PROCESS

**Sydney Local Health District, N. see The University of Sydney**  
(21) 2024204505

(71) SY Doors Pty Ltd  
(21) 2024204562 (22) 01.07.2024  
(54) Barrier door

(71) SyntheX, Inc.  
(21) 2024204362 (22) 26.06.2024  
(54) Protein interfaces

(71) TARIS Biomedical LLC  
(21) 2024204468 (22) 28.06.2024  
(54) Intravesical drug delivery devices and methods including elastic polymer-drug matrix systems

(71) Technological Resources Pty. Limited  
(21) 2024204560 (22) 01.07.2024  
(54) RAILROAD SIGNALLING SYSTEM

(71) TE Connectivity Solutions GmbH  
(21) 2024204417 (22) 27.06.2024  
(54) Protection devices for electrical connection assemblies and related electrical connection assemblies

(71) Teon Therapeutics, Inc.  
(21) 2024204483 (22) 28.06.2024  
(54) Adenosine receptor antagonists and uses thereof

(71) Terra Quantum AG  
(21) 2024204419 (22) 27.06.2024  
(54) A method and system for encoding an intended matrix in a quantum circuit

(71) Theodosia, K.  
(21) 2024204548 (22) 30.06.2024  
(54) Portable twist-activated soap dispenser for personal hygiene

(71) The Regents of the University of California  
(21) 2024204354 (22) 25.06.2024  
(54) METHODS FOR THE TREATMENT OF DANON DISEASE AND OTHER DISORDERS OF AUTOPHAGY

(71) The Toro Company  
(21) 2024204366 (22) 26.06.2024  
(54) Turf roller

(71) The University of Hong Kong; ZERO Biotech Company Limited  
(21) 2024204431 (22) 27.06.2024  
(54) Development of Safe and Effective Platform for Administration of Lutetium-177 Dotatoc Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumours or Other Tumours Highly Expressing Somatostatin Receptors.

(71) The University of Sydney; Sydney Local Health District, N.  
(21) 2024204505 (22) 28.06.2024  
(54) Motion monitoring using projection imaging with rotating views

(71) Thorn Security Limited  
(21) 2024204568 (22) 01.07.2024  
(54) Bridge device

(71) Tran, P.  
(21) 2024204551 (22) 30.06.2024  
(54) INTERNAL REFLECTIVE FILM SHEETS INSTALLED WITHIN THE BODY OF FISHING LURES

(71) TuSimple, Inc.  
(21) 2024204392 (22) 26.06.2024  
(54) Security architecture for a real-time remote vehicle monitoring system

(71) TuSimple, Inc.  
(21) 2024204394 (22) 26.06.2024  
(54) System and method for vehicle wheel detection

(71) Unova Limited  
(21) 2024204584 (22) 02.07.2024  
(54) Electronically Controllable Valves and Mixing Valves

(71) Verathon Inc.  
(21) 2024204458 (22) 27.06.2024  
(54) Dynamically retractable camera for video laryngoscope

(71) VusionGroup  
(21) 2024204470 (22) 28.06.2024  
(54) Camera-implemented article layout control method for shelves equipped with electronic shelf labels

(71) Waller, K.; nelson, s.  
(21) 2024204545 (22) 30.06.2024

(54) Non electric alert system for fishing rods

(71) Walsh, A.  
(21) 2024204553 (22) 01.07.2024  
(54) Roof gutter & associated Brackets , gutter assembly instillation method thereof

(71) Whirlpool Corporation  
(21) 2024204386 (22) 26.06.2024  
(54) Countertop appliance with physical and remote motor control

(71) Wilcox Industries Corp.  
(21) 2024204462 (22) 27.06.2024  
(54) Power And Data Interface For Weapon Accessory Mounting Rail

(71) Wilcox Industries Corp.  
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(71) Wilson Wolf Manufacturing, LLC  
(21) 2024204373 (22) 26.06.2024  
(54) Improved methods of genetically modifying animal cells

(71) Wonderland Switzerland AG  
(21) 2024204487 (22) 28.06.2024  
(54) Adapter device and connecting mechanism thereof

(71) Yazdani, N.  
(21) 2024204493 (22) 28.06.2024  
(54) Combination Therapy of Phentermine and Aripiprazole for Appetite Suppression

(71) YETI Coolers, LLC  
(21) 2024204368 (22) 26.06.2024  
(54) Backpack

(71) YOUNG CHING PTY LTD  
(21) 2024204556 (22) 01.07.2024  
(54) CUTTING BOARD WITH AN AFFIXABLE HANDLE AND MANUFACTURE THEREOF

**ZERO Biotech Company Limited see The University of Hong Kong**  
(21) 2024204431

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(21) 2024204481

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| 2024204501 | Ionis Pharmaceuticals, Inc.                                 | 2024204581 | ALEXANDER JOHN LEVINE; DAVID SPIEGEL  |
| 2024204502 | Daiichi Sankyo Company, Limited; Daiichi Sankyo Europe GmbH | 2024204584 | Dynamic Biologics Inc.  |
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| 2024204528 | Crown Equipment Corporation                                 |            |   |
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| 2024204533 | Human Aerospace Pty Ltd                                     |            |   |
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| 2024204535 | EVE POWER CO., LTD.   |            |   |
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| 2024204553 | Walsh, A.   |            |   |
| 2024204554 | HMT Technology International Limited                        |            |   |
| 2024204555 | Aragon Pharmaceuticals, Inc.                                |            |   |
| 2024204556 | YOUNG CHING PTY LTD   |            |   |
| 2024204557 | Davidsson, M.; Björklund, T.                                |            |   |

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

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

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
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- 15 Patent Ceased Section 143(b)
- 16 Application Refused
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- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
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- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
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| 2009238350 ( 14 ) | 2009238364 ( 14 ) | 2009239519 ( 14 ) |
| 2009250951 ( 14 ) | 2009250974 ( 14 ) | 2009251009 ( 14 ) |
| 2009251041 ( 14 ) | 2009251060 ( 14 ) | 2009327127 ( 14 ) |
| 2009327219 ( 14 ) | 2009328561 ( 14 ) | 2009328562 ( 14 ) |
| 2009329123 ( 14 ) | 2009329357 ( 14 ) | 2009329394 ( 14 ) |
| 2009332549 ( 14 ) | 2009333168 ( 14 ) | 2009333228 ( 14 ) |
| 2009333362 ( 14 ) | 2009333863 ( 14 ) | 2009335725 ( 14 ) |
| 2009335970 ( 14 ) | 2009337747 ( 14 ) | 2009354904 ( 14 ) |
| 2009356692 ( 14 ) |                   |                   |

**2010**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2010200411 ( 14 ) | 2010200504 ( 14 ) | 2010203299 ( 14 ) |
| 2010249146 ( 14 ) | 2010252999 ( 14 ) | 2010257203 ( 14 ) |
| 2010257204 ( 14 ) | 2010257206 ( 14 ) | 2010257221 ( 14 ) |
| 2010257250 ( 14 ) | 2010330742 ( 14 ) | 2010330843 ( 14 ) |
| 2010331818 ( 14 ) | 2010331821 ( 14 ) | 2010331927 ( 14 ) |
| 2010332041 ( 14 ) | 2010332988 ( 14 ) | 2010333322 ( 14 ) |
| 2010333716 ( 14 ) | 2010333843 ( 14 ) | 2010337084 ( 14 ) |
| 2010337087 ( 14 ) | 2010337146 ( 14 ) | 2010337642 ( 14 ) |
| 2010338448 ( 14 ) | 2010339955 ( 14 ) | 2010340047 ( 14 ) |
| 2010342297 ( 14 ) | 2010347168 ( 14 ) | 2010357403 ( 14 ) |

**2011**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2011200008 ( 14 ) | 2011200464 ( 14 ) | 2011202041 ( 14 ) |
| 2011202335 ( 14 ) | 2011202673 ( 14 ) | 2011204790 ( 14 ) |
| 2011211386 ( 14 ) | 2011253990 ( 14 ) | 2011254026 ( 14 ) |
| 2011254069 ( 14 ) | 2011254088 ( 14 ) | 2011342039 ( 14 ) |
| 2011342368 ( 14 ) | 2011343624 ( 14 ) | 2011343730 ( 14 ) |
| 2011343798 ( 14 ) | 2011343899 ( 14 ) | 2011346673 ( 14 ) |
| 2011346681 ( 14 ) | 2011347765 ( 14 ) | 2011349605 ( 14 ) |
| 2011349802 ( 14 ) | 2011351658 ( 14 ) | 2011355202 ( 14 ) |
| 2011380892 ( 14 ) | 2011383480 ( 14 ) |                   |

**2012**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2012200082 ( 14 ) | 2012204063 ( 14 ) | 2012205143 ( 14 ) |
| 2012227255 ( 14 ) | 2012261715 ( 14 ) | 2012261734 ( 14 ) |
| 2012261761 ( 14 ) | 2012268859 ( 14 ) | 2012327192 ( 14 ) |
| 2012350353 ( 14 ) | 2012351747 ( 14 ) | 2012351805 ( 14 ) |

|                   |                   |                   |                    |                   |                   |
|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|
| 2012351806 ( 14 ) | 2012352349 ( 14 ) | 2012352418 ( 14 ) | 2017380905 ( 14 )  | 2017381738 ( 14 ) | 2017381739 ( 14 ) |
| 2012353004 ( 14 ) | 2012353915 ( 14 ) | 2012354377 ( 14 ) | 2017383228 ( 14 )  | 2017389266 ( 14 ) | 2017390015 ( 14 ) |
| 2012354919 ( 14 ) | 2012357833 ( 14 ) | 2012362825 ( 14 ) | 2017390388 ( 4C )  | 2017393094 ( 14 ) | 2017395075 ( 14 ) |
| 2012365478 ( 14 ) | 2012366365 ( 14 ) | 2012371227 ( 14 ) | 2017409020 ( 25D ) | 2017423468 ( 5C ) | 2017423862 ( 4C ) |
|                   |                   |                   | 2017436731 ( 5C )  |                   |                   |

**2013**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2013357030 ( 14 ) | 2013357308 ( 14 ) | 2013358693 ( 14 ) |
| 2013358896 ( 14 ) | 2013359146 ( 14 ) | 2013359167 ( 14 ) |
| 2013360773 ( 14 ) | 2013361732 ( 14 ) | 2013362935 ( 14 ) |
| 2013362970 ( 14 ) | 2013363007 ( 14 ) | 2013363221 ( 14 ) |
| 2013364388 ( 14 ) | 2013365796 ( 14 ) | 2013368218 ( 14 ) |
| 2013368297 ( 14 ) | 2013376332 ( 14 ) | 2013407407 ( 14 ) |
| 2013407942 ( 14 ) | 2013408350 ( 14 ) | 2013408355 ( 14 ) |
| 2013408357 ( 14 ) |                   |                   |

**2014**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2014200138 ( 14 ) | 2014200490 ( 14 ) | 2014203181 ( 14 ) |
| 2014208183 ( 14 ) | 2014274639 ( 14 ) | 2014274656 ( 14 ) |
| 2014274657 ( 14 ) | 2014277683 ( 14 ) | 2014277707 ( 14 ) |
| 2014277757 ( 14 ) | 2014347795 ( 14 ) | 2014360947 ( 14 ) |
| 2014361780 ( 14 ) | 2014364942 ( 14 ) | 2014365123 ( 14 ) |
| 2014365823 ( 14 ) | 2014368261 ( 14 ) | 2014368594 ( 14 ) |
| 2014368789 ( 14 ) | 2014369169 ( 14 ) | 2014369232 ( 14 ) |
| 2014369397 ( 14 ) | 2014369443 ( 14 ) | 2014369524 ( 14 ) |
| 2014371389 ( 14 ) | 2014372383 ( 14 ) | 2014374183 ( 14 ) |
| 2014375111 ( 14 ) | 2014376810 ( 14 ) | 2014378631 ( 14 ) |

**2015**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2015203177 ( 14 ) | 2015210397 ( 14 ) | 2015255256 ( 14 ) |
| 2015268729 ( 14 ) | 2015268763 ( 14 ) | 2015271910 ( 14 ) |
| 2015271912 ( 14 ) | 2015271954 ( 14 ) | 2015271956 ( 14 ) |
| 2015271957 ( 14 ) | 2015271958 ( 14 ) | 2015271961 ( 14 ) |
| 2015271963 ( 14 ) | 2015360243 ( 14 ) | 2015362688 ( 14 ) |
| 2015362706 ( 14 ) | 2015362756 ( 14 ) | 2015362784 ( 14 ) |
| 2015363754 ( 14 ) | 2015364396 ( 14 ) | 2015364559 ( 14 ) |
| 2015364629 ( 14 ) | 2015364632 ( 14 ) | 2015364696 ( 14 ) |
| 2015365613 ( 14 ) | 2015365965 ( 14 ) | 2015366357 ( 14 ) |
| 2015367275 ( 14 ) | 2015367768 ( 14 ) | 2015369544 ( 14 ) |
| 2015369961 ( 14 ) | 2015370816 ( 14 ) | 2015371394 ( 14 ) |
| 2015371490 ( 14 ) | 2015371517 ( 14 ) | 2015377922 ( 14 ) |
| 2015396104 ( 14 ) |                   |                   |

**2016**

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| 2016100894 ( 22 ) | 2016100898 ( 22 ) | 2016100914 ( 22 ) |
| 2016100922 ( 22 ) | 2016100925 ( 22 ) | 2016102356 ( 22 ) |
| 2016102387 ( 22 ) | 2016203256 ( 14 ) | 2016273822 ( 14 ) |
| 2016273892 ( 14 ) | 2016366515 ( 4C ) | 2016369312 ( 14 ) |
| 2016369344 ( 14 ) | 2016369392 ( 14 ) | 2016369500 ( 4C ) |
| 2016369520 ( 14 ) | 2016369523 ( 14 ) | 2016369608 ( 14 ) |
| 2016370490 ( 14 ) | 2016370499 ( 14 ) | 2016370821 ( 4C ) |
| 2016370853 ( 4C ) | 2016370863 ( 14 ) | 2016371639 ( 4C ) |
| 2016371923 ( 14 ) | 2016372069 ( 4C ) | 2016372444 ( 14 ) |
| 2016372447 ( 4C ) | 2016372519 ( 14 ) | 2016372554 ( 14 ) |
| 2016372886 ( 14 ) | 2016373213 ( 14 ) | 2016373451 ( 14 ) |
| 2016374294 ( 14 ) | 2016374395 ( 14 ) | 2016374425 ( 14 ) |
| 2016374568 ( 14 ) | 2016374571 ( 14 ) | 2016380864 ( 14 ) |
| 2016380868 ( 14 ) | 2016389600 ( 14 ) | 2016393093 ( 14 ) |

**2017**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2017101738 ( 22E ) | 2017101741 ( 22E ) | 2017101757 ( 22E ) |
| 2017250583 ( 5C )  | 2017276177 ( 4C )  | 2017276199 ( 4C )  |
| 2017276200 ( 4C )  | 2017276202 ( 4C )  | 2017276203 ( 4C )  |
| 2017276204 ( 4C )  | 2017276205 ( 4C )  | 2017276210 ( 4C )  |
| 2017276211 ( 4C )  | 2017276213 ( 4C )  | 2017276214 ( 4C )  |
| 2017276215 ( 4C )  | 2017276230 ( 14 )  | 2017276304 ( 14 )  |
| 2017276341 ( 14 )  | 2017317604 ( 14 )  | 2017345766 ( 5C )  |
| 2017374685 ( 14 )  | 2017375038 ( 4C )  | 2017375646 ( 4C )  |
| 2017375795 ( 4C )  | 2017375819 ( 14 )  | 2017376453 ( 14 )  |
| 2017376460 ( 4C )  | 2017377036 ( 14 )  | 2017377044 ( 14 )  |
| 2017377078 ( 14 )  | 2017377093 ( 4C )  | 2017377672 ( 14 )  |
| 2017378196 ( 4C )  | 2017378487 ( 14 )  | 2017378500 ( 4C )  |
| 2017378869 ( 14 )  | 2017378866 ( 4C )  | 2017380760 ( 14 )  |

**2018**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2018101051 ( 22E ) | 2018101471 ( 22 )  | 2018102059 ( 22E ) |
| 2018102150 ( 22E ) | 2018200285 ( 14 )  | 2018203778 ( 14 )  |
| 2018204699 ( 5C )  | 2018204913 ( 25D ) | 2018214138 ( 5C )  |
| 2018247255 ( 14 )  | 2018256536 ( 5C )  | 2018275123 ( 5C )  |
| 2018278931 ( 4C )  | 2018282256 ( 4C )  | 2018291757 ( 5C )  |
| 2018295434 ( 5C )  | 2018301153 ( 5C )  | 2018301999 ( 5C )  |
| 2018302135 ( 25D ) | 2018306317 ( 5C )  | 2018308378 ( 5C )  |
| 2018309404 ( 5C )  | 2018311985 ( 5C )  | 2018315627 ( 5C )  |
| 2018325239 ( 5C )  | 2018329432 ( 5C )  | 2018344475 ( 25D ) |
| 2018370383 ( 5C )  | 2018382611 ( 4C )  | 2018383004 ( 4C )  |
| 2018383675 ( 4C )  | 2018383874 ( 4C )  | 2018384084 ( 14 )  |
| 2018385693 ( 4C )  | 2018385714 ( 4C )  | 2018385759 ( 14 )  |
| 2018386222 ( 14 )  | 2018387693 ( 14 )  | 2018388459 ( 14 )  |
| 2018388483 ( 14 )  | 2018388484 ( 4C )  | 2018389037 ( 14 )  |
| 2018389184 ( 4C )  | 2018390816 ( 4C )  | 2018390818 ( 4C )  |
| 2018390825 ( 4C )  | 2018391580 ( 14 )  | 2018391652 ( 14 )  |
| 2018391657 ( 14 )  | 2018392884 ( 14 )  | 2018392923 ( 14 )  |
| 2018393315 ( 4C )  | 2018401929 ( 4C )  |                    |

**2019**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2019201834 ( 14 )  | 2019203468 ( 14 )  | 2019205341 ( 5C )  |
| 2019208216 ( 14 )  | 2019212616 ( 5C )  | 2019218837 ( 5C )  |
| 2019219768 ( 14 )  | 2019219770 ( 14 )  | 2019220364 ( 5C )  |
| 2019236463 ( 25D ) | 2019245428 ( 25D ) | 2019255069 ( 12C ) |
| 2019264655 ( 14 )  | 2019283796 ( 4C )  | 2019283821 ( 4B )  |
| 2019283857 ( 4B )  | 2019337117 ( 14 )  | 2019380381 ( 4A )  |
| 2019397164 ( 14 )  | 2019398040 ( 4C )  | 2019398780 ( 14 )  |
| 2019399658 ( 4C )  | 2019400980 ( 4C )  | 2019401422 ( 14 )  |
| 2019402055 ( 14 )  | 2019402151 ( 14 )  | 2019403533 ( 4C )  |
| 2019404250 ( 14 )  | 2019404934 ( 14 )  | 2019405358 ( 4C )  |
| 2019405449 ( 14 )  | 2019406818 ( 14 )  | 2019407909 ( 14 )  |
| 2019409106 ( 4C )  | 2019409139 ( 4C )  | 2019414018 ( 4C )  |
| 2019415203 ( 4C )  | 2019417283 ( 4B )  | 2019426346 ( 4B )  |
| 2019426893 ( 4B )  | 2019427500 ( 4B )  | 2019437331 ( 4C )  |
| 2019446680 ( 4B )  |                    |                    |

**2020**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2020104065 ( 22E ) | 2020104073 ( 22E ) | 2020104122 ( 22E ) |
| 2020104123 ( 22E ) | 2020104129 ( 22E ) | 2020104148 ( 22E ) |
| 2020104149 ( 22E ) | 2020104152 ( 22E ) | 2020104156 ( 22E ) |
| 2020104157 ( 22E ) | 2020200854 ( 14 )  | 2020202415 ( 14 )  |
| 2020202587 ( 14 )  | 2020204556 ( 1B )  | 2020204636 ( 1B )  |
| 2020204638 ( 1B )  | 2020213295 ( 14 )  | 2020220206 ( 14 )  |
| 2020233673 ( 5C )  | 2020289725 ( 5C )  | 2020309098 ( 1B )  |
| 2020309176 ( 1B )  | 2020309244 ( 1B )  | 2020309478 ( 1B )  |
| 2020309551 ( 1B )  | 2020309556 ( 1B )  | 2020309773 ( 1B )  |
| 2020309839 ( 1B )  | 2020309851 ( 1B )  | 2020309958 ( 1B )  |
| 2020310147 ( 1B )  | 2020310162 ( 1B )  | 2020310168 ( 1B )  |
| 2020310174 ( 1B )  | 2020310190 ( 1B )  | 2020310201 ( 1B )  |
| 2020310561 ( 1B )  | 2020310582 ( 1B )  | 2020310591 ( 1B )  |
| 2020310617 ( 1B )  | 2020310626 ( 1B )  | 2020310855 ( 1B )  |
| 2020310940 ( 1B )  | 2020310952 ( 1B )  | 2020311027 ( 1B )  |
| 2020311050 ( 1B )  | 2020311277 ( 1B )  | 2020311297 ( 1B )  |
| 2020311300 ( 1B )  | 2020311369 ( 1B )  | 2020311395 ( 1B )  |
| 2020311404 ( 1B )  | 2020311438 ( 1B )  | 2020311584 ( 1B )  |
| 2020311623 ( 1B )  | 2020311822 ( 1B )  | 2020311900 ( 1B )  |
| 2020311940 ( 1B )  | 2020311958 ( 1B )  | 2020311960 ( 1B )  |
| 2020312225 ( 1B )  | 2020313255 ( 1B )  | 2020314540 ( 1B )  |
| 2020314625 ( 1B )  | 2020314783 ( 1B )  | 2020315171 ( 1B )  |
| 2020315259 ( 1B )  | 2020315579 ( 1B )  | 2020315720 ( 1B )  |
| 2020315729 ( 1B )  | 2020315738 ( 1B )  | 2020339126 ( 5C )  |
| 2020369842 ( 5C )  | 2020387591 ( 5C )  | 2020399964 ( 5C )  |
| 2020410514 ( 5C )  |                    |                    |

**2021**

2021101282 ( 22 )    2021200828 ( 5C )    2021202610 ( 14 )  
 2021202811 ( 14 )    2021203021 ( 14 )    2021211229 ( 5C )  
 2021225219 ( 14 )    2021228383 ( 5C )    2021240271 ( 4C )  
 2021250949 ( 4C )    2021254551 ( 4C )    2021266314 ( 4C )  
 2021269346 ( 4C )    2021282441 ( 14 )    2021282496 ( 5C )  
 2021286351 ( 14 )    2021290205 ( 4C )    2021291475 ( 5C )  
 2021295454 ( 25D )    2021326498 ( 5C )    2021389792 ( 5C )  
 2021410946 ( 5C )

**2022**

2022200522 ( 4C )    2022200947 ( 5C )    2022201598 ( 5C )  
 2022201675 ( 5C )    2022202243 ( 5C )    2022202349 ( 5C )  
 2022202416 ( 5C )    2022202456 ( 5C )    2022202597 ( 5C )  
 2022202654 ( 5C )    2022202769 ( 5C )    2022202959 ( 5C )  
 2022203031 ( 4C )    2022203089 ( 5C )    2022203121 ( 5C )  
 2022203217 ( 14 )    2022203306 ( 5C )    2022203420 ( 5C )  
 2022203619 ( 5C )    2022203714 ( 5C )    2022203837 ( 5C )  
 2022203885 ( 5C )    2022203917 ( 5C )    2022203929 ( 5C )  
 2022203971 ( 5C )    2022204086 ( 5C )    2022204169 ( 4C )  
 2022204317 ( 5C )    2022204651 ( 5C )    2022209199 ( 4C )  
 2022211849 ( 5C )    2022215212 ( 4C )    2022224697 ( 4C )  
 2022228105 ( 5C )    2022268329 ( 4C )    2022283674 ( 4C )  
 2022374188 ( 5C )    2022399046 ( 5C )

**2023**

2023200038 ( 4C )    2023200139 ( 5C )    2023200262 ( 4C )  
 2023200512 ( 5C )    2023202544 ( 5C )    2023202696 ( 4C )  
 2023202816 ( 4C )    2023203317 ( 5C )    2023203420 ( 4C )  
 2023203610 ( 4C )    2023902018 ( 12AN )    2023902027 ( 12AN )  
 2023902032 ( 12AN )    2023902050 ( 12AN )    2023902082 ( 12AN )  
 2023902088            2023902621 ( 12AN )  
 ( 12ANN )

**2024**

2024202217 ( 1B )    2024202222 ( 1B )    2024202233 ( 1B )  
 2024202293 ( 1B )    2024202380 ( 1B )    2024202398 ( 1B )  
 2024204453 ( 12AN )    2024204491 ( 12AN )

**Assignments before Grant, Section 113**

**2017**

2017330062 ProQR Therapeutics II B.V. The application has been assigned to **Laboratoires THEA**

**2018**

2018211223 Newman, Shmuel Dovid; Chang, Chin-Cheng The application has been assigned to **YSN Imports, LLC**

2018250641 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2018309667 Theravance Biopharma R&D IP, LLC; Alfasigma S.p.A. The application has been assigned to **Alfasigma S.p.A.**

2018373279 Coda Biotherapeutics, Inc. The application has been assigned to **TRAMES BIO, INC.**

**2019**

2019232559 Bio-K Plus International Inc. The application has been assigned to **KERRY GROUP SERVICES INTERNATIONAL LIMITED**

2019251488 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

**Assignments before Grant, Section 113**

2019266406 Legochem Biosciences, Inc.; NovImmune, SA The application has been assigned to **LigaChem Biosciences Inc.;** **NovImmune, SA**

2019283461 Datamars Limited The application has been assigned to **Datamars SA**

2019316500 D & D Group Pty Ltd The application has been assigned to **D & D Technologies Pty Ltd**

2019321490 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2019404697 Sumitomo Metal Mining Co., Ltd.; National University Corporation Yamagata University The application has been assigned to **Sumitomo Metal Mining Co., Ltd.**

**2020**

2020206672 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2020226498 Myst Therapeutics, LLC The application has been assigned to **Turnstone Biologics Corp.**

2020256125 Myst Therapeutics, LLC The application has been assigned to **Turnstone Biologics Corp.**

2020267349 INHIBRX, INC. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2020268827 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2020269268 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2020334147 Coda Biotherapeutics, Inc. The application has been assigned to **TRAMES BIO, INC.**

2020343888 Legochem Biosciences, Inc.; ABL Bio, Inc. The application has been assigned to **LigaChem Biosciences Inc.;** **ABL Bio, Inc.**

2020344256 ResMed Sensor Technologies Limited; ResMed Pty Ltd The application has been assigned to **ResMed Sensor Technologies Limited**

2020391231 Myst Therapeutics, LLC The application has been assigned to **Turnstone Biologics Corp.**

2020901755 Jagger, Robin Drummond The application has been assigned to **MAM Baby AG**

**2021**

2021209171 DCL Plumbing Services Pty Ltd The application has been assigned to **McFARLANE, Kerral**

2021213177 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

**Assignments before Grant, Section 113**

2021221610 D & D Group Pty Ltd The application has been assigned to **D & D Technologies Pty Ltd**

2021226177 Tyco Fire Products LP The application has been assigned to **WILLIAMS FIRE & HAZARD, LLC**

2021226903 Myst Therapeutics, LLC The application has been assigned to **Turnstone Biologics Corp.**

2021234169 The University of Bristol; Syncona Investment Management Limited The application has been assigned to **SYNCONA IP HOLDCO (3) LIMITED; The University of Bristol**

2021235395 Berlia, Sushma The application has been assigned to **DROTASTAR LLC**

2021240883 Schons, Georg The application has been assigned to **GS Gesellschaft für Umwelt- und Energie-Serviceleistungen mbH**

2021266289 BIA5 Developments Pty Ltd The application has been assigned to **BIA5 PTY LTD**

2021266688 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2021275156 D & D Group Pty Ltd The application has been assigned to **D & D Technologies Pty Ltd**

2021279206 Cuckfield Pty Ltd The application has been assigned to **MAM Baby AG**

2021299552 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2021326487 PQ SILICA BRAZIL LTDA. The application has been assigned to **PQ LLC**

2021343770 SUMITOMO PHARMA CO., LTD.; CARNA BIOSCIENCES, INC. The application has been assigned to **CARNA BIOSCIENCES, INC.**

2021405127 ADVANCED ACCELERATOR APPLICATIONS INTERNATIONAL SA; ADVANCED ACCELERATOR APPLICATIONS (ITALY) SRL; NOVARTIS AG The application has been assigned to **FUJIFILM Corporation; PDRadiopharma Inc.**

2021409985 Plainsight Corp. The application has been assigned to **Plainsight Technologies Inc.**

**2022**

2022200918 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2022223977 INHIBRX, INC. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2022264402 SAMSUNG ELECTRONICS CO., LTD.; FUSEPROJECT The application has been assigned to **SAMSUNG ELECTRONICS CO., LTD.**

**Assignments before Grant, Section 113**

2022291498 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

2022291666 China University of Mining and Technology The application has been assigned to **Anhui University of Science and Technology; China University of Mining and Technology**

2022305262 KETO PATENT GROUP, INC. The application has been assigned to **Acess Global Sciences, LLC.**

2022311888 BEIGENE, LTD. The application has been assigned to **Pi Health USA, LLC**

2022325334 CRYSTAL PHARMACEUTICAL (SUZHOU) CO., LTD The application has been assigned to **Inventiva**

2022334583 AMERICAN REGENT, INC. The application has been assigned to **Vifor (International) AG**

2022380947 EIP PHARMA, INC. The application has been assigned to **EIP Pharma, LLC.**

2022403018 PLAINSIGHT CORP. The application has been assigned to **Plainsight Technologies Inc.**

2022418195 ENGIE; ARIANEGROUP The application has been assigned to **ENGIE**

**2023**

2023202448 Legochem Biosciences, Inc.; NovImmune, SA The application has been assigned to **LigaChem Biosciences Inc.; NovImmune, SA**

2023202667 Munich Composites GmbH The application has been assigned to **ADVANCED INTERNATIONAL MULTITECH CO., LTD.**

2023208197 Plainsight Corp. The application has been assigned to **Plainsight Technologies Inc.**

2023903092 CORNTHWAITE, John; ALLEN, Warwick The application has been assigned to **ALI-VICE LIMITED**

2023903093 CORNTHWAITE, John; ALLEN, Warwick The application has been assigned to **ALI-VICE LIMITED**

2023903485 CORNTHWAITE, John; ALLEN, Warwick The application has been assigned to **ALI-VICE LIMITED**

2023903487 CORNTHWAITE, John; ALLEN, Warwick The application has been assigned to **ALI-VICE LIMITED**

**2024**

2024200551 Inhibrx, Inc. The application has been assigned to **INHIBRX BIOSCIENCES, INC.**

**Extensions of Time, Section 223**

**Applications Received**



**Extensions of Time, Section 223**

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

**2016**

2016225816 **AGS LLC** An application to extend the time from 23 May 2023 to 23 Jun 2024 in which to pay a renewal fee has been filed . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

**2021**

2021106523 **Xie, Y.** An application to extend the time from 23 Aug 2023 to 23 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Yan Xie 132 Osborne Road Mitchelton QLD 4053 AU

**2023**

2023202003 **Neurim Pharmaceuticals Ltd.** An application to extend the time from 29 Nov 2023 to 29 Jun 2024 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Applications Allowed - Section 223(2)****2015**

2015200374 **MARSHALL, P.** The time in which to pay a renewal fee has been extended to 28 Mar 2024 . Address for service - PERRY CARNE MARSHALL 15 MURCHISON ST. WHITFIELD QLD 4870 AU

**2017**

2017286802 **Myron L Company** The time in which to pay a renewal fee has been extended to 17 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018204116 **Worth, B.** The time in which to pay the acceptance fee has been extended to 29 Jun 2024 . Address for service - Brian Worth 28 Gayundah Esp Woodypoint QLD 4019 AU

2018204913 **Worth, B.** The time in which to pay the acceptance fee has been extended to 07 Apr 2024 . Address for service - Brian Worth 28 Gayundah Esp Woodypoint QLD 4019 AU

2018265567 **Neolitics, Inc.** The time in which to pay a continuation fee has been extended to 11 Apr 2024 . Address for service - Alder IP Pty Ltd Suite 504 10 Help Street CHATSWOOD NSW 2067 AU

**2019**

2019299445 **Hasbro, Inc.** The time in which to pay a continuation fee has been extended to 02 Feb 2024 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2019330739 **Deaton, J.** The time in which to pay a continuation fee has been extended to 30 Mar 2024 . Address for service - Moulis Legal 6/2 Brindabella Circuit Brindabella Business Park Canberra International Airport CANBERRA ACT 2609 AU

**Extensions of Time, Section 223****2020**

2020261454 **DAS Innovations Pty Ltd** The time in which to request examination has been extended to 30 Jun 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2022**

2022246368 **Myron L Company** The time in which to pay a continuation fee has been extended to 17 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2023**

2023204307 **Nanovision Technology (Beijing) Co., Ltd.** The time in which to request examination has been extended to 18 Mar 2024 . Address for service - NANOVISION TECHNOLOGY (BEIJING) CO., LTD PO Box 194 South Perth WA 6951 AU

**2024**

2024201354 **COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD** The time in which to make a further application for a divisional patent has been extended 11 Mar 2024 . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 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.

**2008**

2008300612 Production of leaf extracts of *Pittosporum phylliraeoides* and the use thereof in medicine **Von Gliszczynski, K.** The nature of the amendment is as shown in the statement(s) filed 19 Apr 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2015**

2015298492 A levelling group for aerial work platforms **Almac S.r.l.** The nature of the amendment is as shown in the statement(s) filed 16 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018222739 Processes for preparing AG-10, its intermediates, and salts thereof **Eidos Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Jun 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2018266193 Medical and dental integrated multiphasic biomaterials for single or multi-tissue reconstruction/regeneration **Marquette University** The nature of the amendment is as shown in the statement(s)

**Amendments**

filed 25 Jun 2024 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2019**

2019241905 Debugging an executable control flow graph that specifies control flow **Ab Initio Technology LLC** The nature of the amendment is as shown in the statement(s) filed 31 May 2024 . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

2019324158 Auto-adjustable buoyancy pressure vessel for scuba **Avelo Labs Inc.** The nature of the amendment is as shown in the statement(s) filed 18 Jun 2024 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

2019397257 Generating and validating a virtual 3D representation of a real-world structure **HOVER Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Jun 2024 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2020**

2020406389 Device for storing standardized storage goods in a high-bay warehouse **Amova GmbH** The nature of the amendment is as shown in the statement(s) filed 13 Jun 2024 . Address for service - McCABE & COMPANY PO Box 24140 WELLINGTON 6142 NZ

**2021**

2021221571 Fertiliser boot and shield **Ausplow Pty. Ltd.** The nature of the amendment is as shown in the statement(s) filed 27 Jun 2024 . Address for service - GLMR PO Box Q1615 Queen Victoria Building NSW 1230 AU

2021231548 Wheel **Ocado Innovation Limited** The nature of the amendment is as shown in the statement(s) filed 25 Jun 2024 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANNIBERRA ACT 2601 AU

2021335744 LOAD CONTROL METHOD AND APPARATUS FOR WIND TURBINE GENERATOR SYSTEM **GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 21 Jun 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

**2022**

2022278011 Recognition of human-uttered harmonic sounds **FRIDMAN-MINTZ, B.** The nature of the amendment is as shown in the statement(s) filed 14 Jun 2024 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2023**

2023100062 Process for producing herbicide and intermediate thereof **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 23 May 2024 . Address for service - Allens Patent & Trade Mark Attorneys 101 Collins Street MELBOURNE VIC 3000 AU

**Amendments Made**

**Amendments**

**2013**

2013373738 **Cayago TEC GmbH** The nature of the amendment is as shown in the statement(s) filed 22 Feb 2024

2013373739 **Cayago TEC GmbH** The nature of the amendment is as shown in the statement(s) filed 22 Feb 2024

**2017**

2017208215 **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement filed 13 Feb 2024

2017374042 **Sangamo Therapeutics, Inc.; Acuitas Therapeutics, Inc.** The nature of the amendment is as shown in the statement filed 28 Mar 2024

**2018**

2018396512 **Fukuoka, H.** The nature of the amendment is: Amend the invention title to read Pharmaceutical composition for use in increasing hair, modifying scalp or skin, healing a wound, promoting osteogenesis, or modifying hair

**2020**

2020355939 **Alps Pharmaceutical Ind. Co., Ltd.** The nature of the amendment is as shown in the statement filed 16 Feb 2024

2020356525 **Johnson & Johnson Consumer Inc.** The nature of the amendment is: Amend the name of the inventor to read GOULD, Russell; WALTERS, Russel; MACHADO, Matthew; SHYR, Thomas; LEE, Christina; CALLAGHAN, Jennifer; LIENERT, Jessica and HOU, Grant

2020410913 **Enseal Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read GROSSET, Jeffrey

2020469132 **Google LLC** The nature of the amendment is as shown in the statement filed 19 Mar 2024

**2021**

2021273574 **Magic Leap, Inc.** The nature of the amendment is: Amend the name of the inventor to read WELCH, William Hudson; GRECO, Paul M.; ABOVITZ, Rony; MUNK, Yonatan and MILLER, Samuel A.

2021275060 **Google LLC** The nature of the amendment is as shown in the statement filed 01 Apr 2024

2021290397 **Aero-Tech Pty Ltd** The nature of the amendment is as shown in the statement filed 27 Mar 2024

2021362359 **Panasonic Intellectual Property Management Co., Ltd.** The nature of the amendment is as shown in the statement filed 19 Mar 2024

2021403827 **ASTRAZENECA AB** The nature of the amendment is: Amend the name of the inventor to read BRÄNALT, Jonas; JOHANSSON, Maria; NORDQVIST, Anneli and SWANSON, Marianne

2021410998 **PETRÓLEO BRASILEIRO S.A. - PETROBRAS; SERVIÇO NACIONAL DE APRENDIZAGEM INDUSTRIAL, DE-**

**Amendments**

**PARTAMENTO REGIONAL DA BAHIA – SENAI/DR/BA** The nature of the amendment is: Amend the name of the inventor to read LI-GEIRO BARBOSA, MARCELO LUIZ; DE SOUZA CORREIA, EDIS-IENE; SARMENTO NEVES DA ROCHA, LUCAS; DOS SANTOS ALMEIDA, EDNA; DOS SANTOS DE MENEZES, MATEUS; DA SILVA JORGE, CARLOS EDUARDO; GARCIA DE OLIVEIRA, FREDERICO; MORENO LEDEZMA, LUIS CARLOS; QUIRINO DA SILVA, ALEXANDRO; RANYERE SANTANA DE OLIVEIRA, JOAQUIM; VIEIRA, ÉRIKA DURÃO and CUNHA, GUSTAVO DOS SANTOS

2021457422 **NANJING NUTRABUILDING BIO-TECH CO., LTD.** The nature of the amendment is: Amend the name of the inventor to read WANG, Mingru; FAN, Qiru; EVANS, Joseph L.; YI, Ronghua; WELLS, Shawn and LIAO, Kylin

2021479832 **CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED** The nature of the amendment is: Amend the invention title to read A/M/X CRYSTALLINE MATERIAL, PHOTOVOLTAIC DEVICE, AND PREPARATION METHODS THEREOF

**2022**

2022206421 **NEURELIS, INC.** The nature of the amendment is: Amend the name of the inventor to read MISRA, Sunita; CARRAZANA, Enrique, J.; RABINOWICZ, Adrian, L.; MADDEN, Stuart and MAGGIO, Edward, T.

2022224781 **W. L. Gore & Associates, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jun 2024

2022284525 **NIHON NOHYAKU CO., LTD.** The nature of the amendment is: Amend the invention title to read BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF

2022299203 **UNIVERSITE DE BORDEAUX; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE LAVAL** The nature of the amendment is as shown in the statement(s) filed 25 Jun 2024

2022354110 **ASCENDIS PHARMA A/S** The nature of the amendment is: Amend the name of the inventor to read EGESBORG, Henrik; ARREDONDO ZAMUDIO, Abel Arturo; JENSEN, Kurt Stæcker and CHRISTENSEN, John Nørskov

2022386910 **NGK INSULATORS, LTD.** The nature of the amendment is: Amend the invention title to read Zeolite membrane complex, membrane reactor, and method of producing zeolite membrane complex

2022388045 **NGK INSULATORS, LTD.** The nature of the amendment is: Amend the invention title to read Zeolite membrane complex and membrane reactor

2022399746 **HOYMILES POWER ELECTRONICS INC.** The nature of the amendment is: Amend the invention title to read CONTROL METHOD FOR RESONANT DUAL ACTIVE BRIDGE CONVERSION CIRCUIT, CONTROLLER, AND CONVERTER

2022399967 **ESTEYCO, S.A.** The nature of the amendment is: Amend the invention title to read METHOD FOR MANUFACTURING AND ASSEMBLING A PLURALITY OF TOWERS ON A WIND FARM

**Amendments**

2022403671 **MULTIBEAM FINLAND OY** The nature of the amendment is as shown in the statement filed 26 Jun 2024

2022405604 **IMAGINE PHARMA LLC** The nature of the amendment is as shown in the statement(s) filed 24 May 2024

2022407713 **ROGERS, A.; GROSSET WINERY PTY LTD** The nature of the amendment is: Amend the name of the inventor to read ROGERS, Andrew and GROSSET, Jeffrey

2022414936 **CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA** The nature of the amendment is: Amend the invention title to read POLYPEPTIDES THAT BIND PROANGIOGENIC GROWTH FACTORS

2022414936 **CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA** The nature of the amendment is: Amend the name of the inventor to read GONZÁLEZ MOYA, Isabel; BEQUET ROMERO, Mónica; AYALA ÁVILA, Marta; GAVILONDO COWLEY, Jorge, Victor; MORERA DÍAZ, Yanelys; MUÑOZ POZO, Yasmiana; CANAÁN-HADEN AYALA, Camila; LAMDAN ORDÁS, Humberto; GONZÁLEZ BLANCO, Sonia and SÁNCHEZ RAMÍREZ, Javier

2022417127 **KIRIN HOLDINGS KABUSHIKI KAISHA** The nature of the amendment is as shown in the statement(s) filed 11 Jun 2024

2022418385 **SITRYX THERAPEUTICS LIMITED** The nature of the amendment is: Amend the name of the inventor to read COUSIN, David and BARBA, Oscar

2022420284 **CHIYODA CORPORATION** The nature of the amendment is: Amend the invention title to read Method for producing paraxylene

2022422718 **DIAGDEV** The nature of the amendment is: Amend the invention title to read Element for optical measurement system

2022424265 **ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.** The nature of the amendment is: Amend the invention title to read REMAINING AMOUNT DETECTION APPARATUS AND CARBON DIOXIDE GAS SUPPLY APPARATUS

2022424476 **REPLI-TECH CO.,LTD.** The nature of the amendment is: Amend the invention title to read Temperature-sensitive negative-strand RNA virus or virus vector and RNA genome thereof

2022425767 **ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.** The nature of the amendment is: Amend the invention title to read Carbon dioxide gas supply apparatus

2022428326 **HOSOKAWA YOKO CO., LTD.** The nature of the amendment is: Amend the invention title to read Zipper and zipper-attached microwave oven applicable packaging bag

2022434139 **HUNAN SINOBROOM INTELLIGENT EQUIPMENT CO., LTD.** The nature of the amendment is: Amend the invention title to read CONTROL METHOD FOR CONTROLLING RETRACTION OF BOOM, SYSTEM, MECHANICAL DEVICE AND STORAGE MEDIUM

**Amendments**

2022437276 **RINNAI CORPORATION** The nature of the amendment is: Amend the invention title to read Fine bubble generator, water heater, and dishwasher

2022471755 **ZHEJIANG ZEEKR INTELLIGENT TECHNOLOGY CO., LTD.; VIRIDI E-MOBILITY TECHNOLOGY(NINGBO) CO.,LTD.; ZHEJIANG GEELY HOLDING GROUP CO., LTD.** The nature of the amendment is: Amend the invention title to read ELECTRIC VEHICLE, MOTOR CONTROL METHOD THEREOF, APPARATUS AND STORAGE MEDIUM

**2023**

2023200635 **DAI, A.** The nature of the amendment is: Amend the invention title to read METHOD FOR DIRECTLY PRODUCING LITHIUM CARBONATE AND REDUCING SULPHATE RADICAL CONTENT FROM LITHIUM SULFATE AND SODIUM (POTASSIUM) CARBONATE

2023201428 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement filed 26 Mar 2024

2023214657 **CARL FREUDENBERG KG** The nature of the amendment is: Amend the name of the inventor to read MESSINEO, Carlo; FALLENSTEIN, Felix; SAND, Nikolai; BIEGANSKI, Maik and JÜRGENS, Ralf

2023224485 **JAPAN CASH MACHINE CO., LTD.** The nature of the amendment is: Amend the invention title to read TRANSPORT GUIDE DRIVE MECHANISM, PAPER SHEET TRANSPORT DEVICE, METHOD FOR CONTROLLING PAPER SHEET TRANSPORT DEVICE, AND PAPER SHEET HANDLING DEVICE

2023224552 **SUNTORY HOLDINGS LIMITED** The nature of the amendment is: Amend the invention title to read LIQUID FOOD PRODUCT PACKAGED IN CONTAINER

2023237124 **Poviva Corp.** The nature of the amendment is: Amend the name of the inventor to read DOCHERTY, John and BUNKA, Christopher Andrew

2023255030 **Tritana Intellectual Property Ltd.** The nature of the amendment is: Amend the invention title to read WEED SEED DESTRUCTION SYSTEM ROTOR CONSTRUCTION

2023257780 **ALCHEMEDICINE, INC.** The nature of the amendment is: Amend the invention title to read Compound, aldehyde dehydrogenase 2 activator, pharmaceutical composition, and therapeutic and/or prophylactic drug

2023302884 **POVIVA CORP** The nature of the amendment is: Amend the name of the inventor to read DOCHERTY, John and BUNKA, Christopher Andrew

2023384477 **WUXI VISION PRO LTD.** The nature of the amendment is: Amend the invention title to read FULL-VISUAL RANGE INTRAOCULAR LENS

**2024**

2024200190 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read BUTCHER, Gary Ian; BURTON, Rupert; DARGAN, Dorian D.; HENDERSON, Nicholas W.; RICKWALD,

**Amendments**

Jason; SCAPEL, Nicolas; YERKES, Giancarlo; BAUERLY, Kristi E.S. and DYE, Alan C.

2024204293 **TOKYO INSTITUTE OF TECHNOLOGY; JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED** The nature of the amendment is: Amend the priority details to read 2023-126387 02 Aug 2023 JP

2024204316 **Erasmus University Medical Center Rotterdam** The nature of the amendment is: Amend the name of the inventor to read VAN DONGEN, Jacobus Johannes Maria; ORFAO DE MATOS CORREIA E VALE, José Alberto; VAN DER BURG, Mirjam; PÉREZ-ANDRÉS, Martín; VAN ZELM, Menno Cornelis; KALINA, Tomáš; VLKOVÁ, Marcela; LÓPEZ-GRANADOS, Eduard; BLANCO ÁLVAREZ, Elena and KIENZLER, Anne-Kathrin

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

**2011**

2011200482 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2011224069 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

**2012**

2012202356 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2012351164 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

**2013**

2013345301 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2013345302 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2013356584 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

**2014**

2014218200 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2014226246 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2014236657 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2014250916 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2014259751 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

**Amendments**

2014265183 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2014278189 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2014310629 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

**2015**

2015201632 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2015203825 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2015203828 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2015242948 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2015266276 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2015270716 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2015370904 KWS SAAT SE The name of the patentee has been altered to **KWS SAAT SE & Co. KGaA**

**2016**

2016213809 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2016225779 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2016274373 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2016331076 Heat Biologics, Inc. The name of the patentee has been altered to **NightHawk Biosciences, Inc.**

**2017**

2017201777 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2017268659 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2017357537 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2017411393 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

**Amendments**

**2018**

2018201923 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2018215123 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2018236847 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2018260954 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2018280778 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2018319043 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2018326081 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

**2019**

2019202222 SanDisk Technologies, Inc. The name of the patentee has been altered to **Sandisk Technologies, Inc.**

2019204452 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019204453 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019204457 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019213022 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2019213023 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019213024 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019213025 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019223264 Metso Outotec Finland Oy The name of the applicant has been altered to **Metso Finland Oy**

2019239385 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2019240836 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019240837 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

**Amendments**

2019240838 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2019240839 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019240840 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2019339260 Lung Therapeutics, Inc. The name of the applicant has been altered to **Lung Therapeutics, LLC**

2019347770 The Royal Institution for the Advancement of Learning/McGill University The name of the applicant has been altered to **The Royal Institution for the Advancement of Learning/McGill University**

2019389858 Quantum Machines The name of the applicant has been altered to **Q.M Technologies Ltd**

**2020**

2020281013 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2020318852 Avena Nordic Grain Oy The name of the applicant has been altered to **Apetit Kasviöljy Oy**

**2021**

2021200342 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2021200367 Heat Biologics, Inc. The name of the applicant has been altered to **NightHawk Biosciences, Inc.**

2021202928 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2021202929 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2021225142 KWS SAAT SE The name of the patentee has been altered to **KWS SAAT SE & Co. KGaA**

2021240344 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

2021241886 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

2021243725 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

**2022**

2022201559 HME Hospitality Specialty Communications, Inc. The name of the applicant has been altered to **HME Hospitality & Specialty Communications, Inc.**

**Amendments**

2022201563 HME Hospitality Specialty Communications, Inc. The name of the applicant has been altered to **HME Hospitality & Specialty Communications, Inc.**

2022201564 HME Hospitality Specialty Communications, Inc. The name of the applicant has been altered to **HME Hospitality & Specialty Communications, Inc.**

2022201680 HME Hospitality Specialty Communications, Inc. The name of the applicant has been altered to **HME Hospitality & Specialty Communications, Inc.**

2022201681 HME Hospitality Specialty Communications, Inc. The name of the applicant has been altered to **HME Hospitality & Specialty Communications, Inc.**

2022204626 Geberit International AG The name of the patentee has been altered to **Geberit International AG**

2022226999 Lung Therapeutics, Inc. The name of the applicant has been altered to **Lung Therapeutics, LLC**

2022231854 VusionGroup GmbH; SES-IMAGOTAG SA The name of the applicant has been altered to **VusionGroup GmbH; Vusion-Group SA**

2022234565 SELEX ES INC. The name of the applicant has been altered to **Leonardo US Cyber and Security Solutions, LLC**

2022245300 1232176 B.C. LTD The name of the applicant has been altered to **Kokua Pharma Inc.**

2022321657 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

2022345529 JOHNSON & JOHNSON CONSUMER INC.; CENTRA INRIA DE L'UNIVERSITE COTE D'AZUR The name of the applicant has been altered to **JOHNSON & JOHNSON CONSUMER INC.; Inria (Institut national de recherche en informatique et en automatique)**

2022348201 Heptares Therapeutics Limited The name of the applicant has been altered to **Nxera Pharma UK Limited**

2022405425 BRADLEY CORPORATION The name of the applicant has been altered to **Bradley Company, LLC**

2022407049 BRADLEY CORPORATION The name of the applicant has been altered to **Bradley Company, LLC**

2022407051 BRADLEY CORPORATION The name of the applicant has been altered to **Bradley Company, LLC**

**2023**

2023226673 Geberit International AG The name of the applicant has been altered to **Geberit International AG**

**2024**

2024202253 Heat Biologics, Inc. The name of the applicant has been altered to **NightHawk Biosciences, Inc.**

**Amendments**

2024901659 AVICENA SYSTEMS LTD The name of the applicant  
has been altered to **Avicena Systems Limited**

Applications Open to Public Inspection

Name Index

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

|   |  |  |
|---|--|--|
| <p>(71) 2seventy bio, Inc.<br/>                     (11) AU-A-2024203372<br/>                     (21) 2024203372 (22) 21.05.2024<br/>                     (54) ANTI-BCMA CAR T CELL COMPOSITIONS<br/>                     (51) Int. Cl.<br/>                     A61K 48/00 ( 2006.01 )<br/>                     C12N 15/62 ( 2006.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2017355504<br/>                     (72) Quigley, Travis; Ross, Robert<br/>                     (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) 4WEB, INC.<br/>                     (11) AU-A-2024204047<br/>                     (21) 2024204047 (22) 14.06.2024<br/>                     (54) Implants having bone growth promoting agents contained within biodegradable materials<br/>                     (51) Int. Cl.<br/>                     A61F 2/44 ( 2006.01 )<br/>                     A61F 2/28 ( 2006.01 )<br/>                     A61F 2/30 ( 2006.01 )<br/>                     A61L 27/18 ( 2006.01 )<br/>                     A61L 27/46 ( 2006.01 )<br/>                     A61L 27/48 ( 2006.01 )<br/>                     A61L 27/54 ( 2006.01 )<br/>                     A61L 27/58 ( 2006.01 )<br/>                     B33Y 80/00 ( 2015.01 )<br/>                     B22F 3/11 ( 2006.01 )<br/>                     B22F 10/28 ( 2021.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2024204010<br/>                     (72) HUNT, Jessee<br/>                     (74) Griffith Hack</p> <hr/> <p>(71) A.C.N. 169 569 537 PTY LTD<br/>                     (11) AU-A-2023286004<br/>                     (21) 2023286004 (22) 24.12.2023<br/>                     (54) METHODS AND SYSTEMS FOR THE CREATION OF A TECHNOLOGICAL MARKETPLACE PLATFORM TO FACILITATE THE TRADE OF VARIABLE HOME EQUITY RELEASE.<br/>                     (51) Int. Cl.<br/>                     G06Q 50/16 ( 2012.01 )<br/>                     G06Q 40/02 ( 2023.01 )<br/>                     G06Q 10/06 ( 2023.01 )<br/>                     (31) 2022904033 (32) 24.12.22 (33) AU<br/>                     (43) 11.07.2024<br/>                     (72) Samarakoon, Virantha<br/>                     (74) A.C.N. 169 569 537 PTY LTD</p> <hr/> <p>(71) Abbott Diabetes Care Inc.<br/>                     (11) AU-A-2024204183<br/>                     (21) 2024204183 (22) 19.06.2024<br/>                     (54) Sensor array systems and methods for detecting multiple analytes<br/>                     (51) Int. Cl.</p> | <p>A61B 5/145 ( 2006.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2020419193<br/>                     (72) WANG, Yi; CHO, Hyun; FELDMAN, Benjamin J.; CHEN, Kuan-Chou; TRAN, Lam N.; OJA, Stephen; MC-CANLESS, Jonathan D.<br/>                     (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) Abiomed Europe GmbH<br/>                     (11) AU-A-2024204311<br/>                     (21) 2024204311 (22) 24.06.2024<br/>                     (54) Cannula for intravascular blood pump<br/>                     (51) Int. Cl.<br/>                     A61M 60/126 ( 2021.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2018288541<br/>                     (72) ABOULHOSN, Walid; SIESS, Thorsten; KIRCHHOFF, Frank<br/>                     (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Acciona Generación Renovable, S.A.; Fundación Circe-Centro de Investigación de Recursos y Consumos Energéticos<br/>                     (11) AU-A-2023285940<br/>                     (21) 2023285940 (22) 22.12.2023<br/>                     (54) DEVICE FOR MONITORING UNDERGROUND CABLES<br/>                     (51) Int. Cl.<br/>                     G01N 25/72 ( 2006.01 )<br/>                     G01K 1/024 ( 2021.01 )<br/>                     G01K 13/00 ( 2021.01 )<br/>                     (31) U202232154 (32) 22.12.22 (33) ES<br/>                     (43) 11.07.2024<br/>                     (72) MUÑOZ GOMEZ, Antonio Miguel; GRANADO FORNÁS, Javier; DIAZ BAÑOS, Alejandro; ROS MARTÍN, Marcos; BASAIL IZCUE, Pedro Miguel; REYES GARCÍA, María Luz; PADRÓS RAZQUIN, María Asunción<br/>                     (74) Halfords IP</p> <hr/> <p>(71) Air Products and Chemicals, Inc.<br/>                     (11) AU-A-2023282306<br/>                     (21) 2023282306 (22) 15.12.2023<br/>                     (54) METHOD AND APPARATUS FOR MANAGEMENT OF POWER IN AN INDUSTRIAL GAS PRODUCTION FACILITY<br/>                     (51) Int. Cl.<br/>                     H02J 3/38 ( 2006.01 )<br/>                     G05B 13/00 ( 2006.01 )<br/>                     H02J 3/06 ( 2006.01 )<br/>                     H02J 3/46 ( 2006.01 )<br/>                     (31) 18/085,675 (32) 21.12.22 (33) US</p> | <p>(43) 11.07.2024<br/>                     (72) Espie, David M; Wilson, Graeme Richard; Wright, Kevin; Hughes, David; van Luijk, Nicolaas Gilles<br/>                     (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p> <hr/> <p>(71) Air Products and Chemicals, Inc.<br/>                     (11) AU-A-2023282308<br/>                     (21) 2023282308 (22) 15.12.2023<br/>                     (54) APPARATUS AND PROCESS TO PROVIDE COOLING WATER FOR AMMONIA AND OR HYDROGEN PRODUCTION<br/>                     (51) Int. Cl.<br/>                     F28D 20/00 ( 2006.01 )<br/>                     C01C 1/04 ( 2006.01 )<br/>                     C25B 1/04 ( 2021.01 )<br/>                     (31) 18/085,690 (32) 21.12.22 (33) US<br/>                     (43) 11.07.2024<br/>                     (72) Wilson, Graeme Richard; Haryett, Nicolas John; Akhurst, Matthew William<br/>                     (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p> <hr/> <p>(71) Alcon Inc.<br/>                     (11) AU-A-2024204226<br/>                     (21) 2024204226 (22) 20.06.2024<br/>                     (54) Weekly and monthly disposable water gradient contact lenses<br/>                     (51) Int. Cl.<br/>                     G02B 1/04 ( 2006.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2018381954<br/>                     (72) QIU, Yongxing; PRUITT, John Dallas; SAMUEL, Newton T.; CHIANG, Chung-Yuan; TUCKER, Robert Carey; CHANG, Yuan; LEVEILLEE, Ethan<br/>                     (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) Alnylam Pharmaceuticals, Inc.<br/>                     (11) AU-A-2024204379<br/>                     (21) 2024204379 (22) 26.06.2024<br/>                     (54) CARBOHYDRATE CONJUGATES AS DELIVERY AGENTS FOR OLIGONUCLEOTIDES<br/>                     (51) Int. Cl.<br/>                     A61K 47/48 ( 2006.01 )<br/>                     (43) 11.07.2024<br/>                     (62) 2022203571<br/>                     (72) MANOHARAN, Muthiah; RAJEEV, Kallanthottathil G.; NARAYANANNAIR, Jayaprakash K.; MAIER, Martin<br/>                     (74) Griffith Hack</p> <hr/> <p>Ambrecht, A. see Halstead, J.<br/>                     (21) 2024204298</p> |
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(71) Amgen Inc.  
 (11) AU-A-2024204313  
 (21) 2024204313 (22) 24.06.2024  
 (54) Process For Manipulating The Level Of Glycan Content Of A Glycoprotein  
 (51) Int. Cl.  
**C12P 21/00** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022200586  
 (72) LEISKE, Daniel R.; TRENTALANGE, Michael T.  
 (74) WRAYS PTY LTD

ANDERSON, R. see ORR, T.E.  
 (21) 2022477087

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204038  
 (21) 2024204038 (22) 14.06.2024  
 (54) MANAGEMENT SYSTEM  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2023200512  
 (72) Shigeta, Yasushi  
 (74) RnB IP Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204039  
 (21) 2024204039 (22) 14.06.2024  
 (54) MANAGEMENT SYSTEM AND GAMING CURRENCY  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 1/06** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2023200139  
 (72) Shigeta, Yasushi  
 (74) RnB IP Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204329  
 (21) 2024204329 (22) 25.06.2024  
 (54) Game token management system  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**H04B 5/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2023237204  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204332  
 (21) 2024204332 (22) 25.06.2024  
 (54) Game token management system  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**H04B 5/00** ( 2006.01 )

(43) 11.07.2024  
 (62) 2023237204  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204356  
 (21) 2024204356 (22) 25.06.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (43) 11.07.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204357  
 (21) 2024204357 (22) 25.06.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (43) 11.07.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204358  
 (21) 2024204358 (22) 25.06.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (43) 11.07.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204358  
 (21) 2024204358 (22) 25.06.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
**G07C 11/00** ( 2006.01 )  
**A47B 25/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (43) 11.07.2024  
 (62) 2022215214  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.  
 (11) AU-A-2024204329  
 (21) 2024204329 (22) 25.06.2024  
 (54) Game token management system  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**H04B 5/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2023237204  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2024204249  
 (21) 2024204249 (22) 21.06.2024  
 (54) Context-specific user interfaces  
 (51) Int. Cl.  
**G06F 3/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022218607  
 (72) CHEN, Kevin Will; FORD, Joshua R.; SUNDSTROM, Matthew J.; FOSS, Christopher Patrick; GUZMAN, Aurelio; LEMAY, Stephen O.; AGNOLI, Giovanni M.; KO, Heena; SCHIMON, David; WILSON, Christopher; WEINBERG, Joshua  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2024204370  
 (21) 2024204370 (22) 26.06.2024  
 (54) Digital assistant user interfaces and response modes  
 (51) Int. Cl.  
**G06F 3/0488** ( 2022.01 )  
**G06F 1/16** ( 2006.01 )  
**G06F 3/0481** ( 2022.01 )  
 (43) 11.07.2024  
 (62) 2021275662  
 (72) ELLIS, Neal; ALABI, Oluwatomiwa B.; BOHAC, Peter Charles; BURTON, Robert; DELLINGER, Richard R.; FAZIO, Thomas R.; FEDERIGHI, Craig M.; FERRY, Kenneth Arthur Abraham; FISH, Rebecca P.; GHOTBI, Nikrouz; GRAMPUROHIT, Shweta; JONES, James N.; KAWASHIMA, Iyuki; LEMAY, Stephen O.; LEPPEK, Tyler C.; MARI, Pedro; MUSENGO, Aaron; PADAWER, David Maurice; PALMER, James E.; SEILAUDOM, Patchaya B.; SIMES, Andrea Valentina; SMITH, Tyler McClay; TENNANT, Andrew; TRAN, Trungtin; VERTELNEY, Laurie June; WALKER II, Robert A.; ZHAO, Ping Fang  
 (74) FPA Patent Attorneys Pty Ltd

(71) Applied Medical Resources Corporation  
 (11) AU-A-2024204239  
 (21) 2024204239 (22) 20.06.2024  
 (54) Hysterectomy model  
 (51) Int. Cl.  
**G09B 23/28** ( 2006.01 )  
**G09B 23/34** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022203874  
 (72) BLACK, Katie; HOFSTETTER, Gregory K.; FELSINGER, Natasha  
 (74) Griffith Hack

(71) Applied Medical Resources Corporation  
 (11) AU-A-2024204287  
 (21) 2024204287 (22) 22.06.2024  
 (54) Surgical stapler having a powered handle  
 (51) Int. Cl.  
**A61B 17/072** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 17/29** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022204384  
 (72) REED, Christina N.; BECERRA, Matthew M.; MCCARTHY, Andrew J.; ZIMMERMAN, Scott; SCHOBER, Joshua M.; DECKER, Steven E.; HUDSON, Kevin; PHAM, Andy  
 (74) Griffith Hack

(71) AppViewX Inc.  
 (11) AU-A-2023285901  
 (21) 2023285901 (22) 21.12.2023  
 (54) SYSTEM AND METHOD FOR ENABLING DYNAMIC REGROUPING OF ICONS ON A GUI WITHOUT REQUIRING RECONFIGURATION  
 (51) Int. Cl.

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**G06F 8/34** ( 2018.01 )  
**G06F 3/04817** ( 2022.01 )  
**G06F 3/0482** ( 2013.01 )  
**(31)** 63435161 **(32)** 23.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** Sundararajan, Indhuja; Shanmugam, Gowthamkumar; Ramaswamy, Narmadha; Bhavanam, Kotilinga Reddy  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** AppViewX Inc.  
**(11)** AU-A-2023285904  
**(21)** 2023285904 **(22)** 21.12.2023  
**(54)** SYSTEM AND METHOD FOR PERFORMING TENANT PROVISIONING  
**(51)** Int. Cl.  
**G06F 15/00** ( 2006.01 )  
**(31)** 63435177 **(32)** 23.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** R, Ragunathan; PR, SunilKumar  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** Arcellx, Inc.  
**(11)** AU-A-2024204188  
**(21)** 2024204188 **(22)** 19.06.2024  
**(54)** Multifunctional immune cell therapies  
**(51)** Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018368431  
**(72)** HILBERT, David M.; SWERS, Jeffrey S.; LAFLEUR, David W.  
**(74)** Spruson & Ferguson

**(71)** ARCHER DANIELS MIDLAND COMPANY  
**(11)** AU-A-2024204361  
**(21)** 2024204361 **(22)** 26.06.2024  
**(54)** LECITHIN COMPOSITIONS AND METHODS OF MAKING AND USING SUCH LECITHIN COMPOSITIONS  
**(51)** Int. Cl.  
**A23G 4/00** ( 2006.01 )  
**A23J 7/00** ( 2006.01 )  
**C11B 1/10** ( 2006.01 )  
**C11B 13/00** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022204129  
**(72)** BASEETH, Shireen  
**(74)** AJ PARK

**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2024204271  
**(21)** 2024204271 **(22)** 21.06.2024  
**(54)** A METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM  
**(51)** Int. Cl.  
**A63F 13/10** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022203158  
**(72)** BRAMBLE, Paul Francis Jason  
**(74)** Griffith Hack

**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2024204289  
**(21)** 2024204289 **(22)** 23.06.2024  
**(54)** GAMING SYSTEM AND METHOD OF GAMING  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018223050  
**(72)** REYNOLDS, Christopher; BURCZYK, Damien; PIPPIN, Adam  
**(74)** Griffith Hack

**(71)** Assa Abloy AB  
**(11)** AU-A-2024204187  
**(21)** 2024204187 **(22)** 19.06.2024  
**(54)** Upper layer device architecture for ultra-wide band enabled device  
**(51)** Int. Cl.  
**G07C 9/00** ( 2020.01 )  
**(43)** 11.07.2024  
**(62)** 2020381141  
**(72)** PIRCH, Hans-Juergen; STEFFL, Jan; PREVOST, Sylvain Jacques; EINBERG, Fredrik Carl Stefan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** AUSTIN HARDWARE & SUPPLY, INC.  
**(11)** AU-A-2023206236  
**(21)** 2023206236 **(22)** 22.07.2023  
**(54)** COUNTERBALANCE HINGE ASSEMBLY  
**(51)** Int. Cl.  
**E05D 13/00** ( 2006.01 )  
**E05D 7/00** ( 2006.01 )  
**E05D 11/00** ( 2006.01 )  
**E05F 1/00** ( 2006.01 )  
**(31)** 18/089,106 **(32)** 27.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** Walden, Robert; Lay, David; Zhang, Daye  
**(74)** RnB IP Pty Ltd

**(71)** Biogen MA Inc.  
**(11)** AU-A-2024204241  
**(21)** 2024204241 **(22)** 20.06.2024  
**(54)** Benzoazepine analogs as inhibiting agents for Bruton's tyrosine kinase  
**(51)** Int. Cl.  
**C07D 413/14** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61K 31/443** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 25/02** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022218560  
**(72)** Patience, Daniel B.; Peterson, Matthew; Zheng, Fengmei; Lyssikatos, Joseph P.; Marx, Isaac; Prince, Robin; Hopkins, Brian T.; Ma, Bin  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**Board of Regents, The University of Texas System see Moleculin Biotech, Inc.**  
**(21)** 2024203593

**Board of Regents, The University of Texas System see City of Hope**  
**(21)** 2024204218

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2024204221  
**(21)** 2024204221 **(22)** 20.06.2024  
**(54)** Fluid management system with integrated laser fiber cooling  
**(51)** Int. Cl.  
**A61B 18/22** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021315582  
**(72)** MAHER, Michelle; SMITH, Lee; STANHOPE, William; KHATTAR, Nishant; WONG, Eric; RAUNIYAR, Niraj Prasad; ERNSTER, Logan  
**(74)** Spruson & Ferguson

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2024204320  
**(21)** 2024204320 **(22)** 24.06.2024  
**(54)** Devices and methods for tissue ligation  
**(51)** Int. Cl.  
**A61B 17/12** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021234312  
**(72)** MOORE, Kyle P.; WEBB, William D.; FITZGERALD, Quinn; GREGORY, Julian  
**(74)** Spruson & Ferguson

**(71)** Calabrio, Inc.  
**(11)** AU-A-2023285860  
**(21)** 2023285860 **(22)** 21.12.2023  
**(54)** A system and method for automatically evaluating and scoring the quality of agent-customer interactions  
**(51)** Int. Cl.  
**G06F 40/00** ( 2020.01 )  
**G06N 20/00** ( 2019.01 )  
**G06Q 30/01** ( 2023.01 )  
**G06Q 50/10** ( 2012.01 )  
**(31)** 18/069,983 **(32)** 21.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** CATTANEO, Laura; CHAPLIN, Boris; SMAAGARD, Kyle; VANCIU, Chris; MORGAN, Dylan; BULLOCK, Catherine  
**(74)** Spruson & Ferguson

**(71)** Calabrio, Inc.  
**(11)** AU-A-2023285902  
**(21)** 2023285902 **(22)** 21.12.2023  
**(54)** Systems and methods for event driver detection  
**(51)** Int. Cl.  
**G06F 40/00** ( 2020.01 )  
**(31)** 18/088,494 **(32)** 23.12.22 **(33)** US

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 (72) BULLOCK, Catherine; MORGAN, Dylan; CATTANEO, Laura; VANCIU, Chris; SMAAGARD, Kyle; CHAPLIN, Boris  
 (74) Spruson & Ferguson
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- (71) Calabrio, Inc.  
 (11) AU-A-2023285996  
 (21) 2023285996 (22) 22.12.2023  
 (54) System and method for identifying compliance statements from contextual indicators in content  
 (51) Int. Cl.  
 G10L 15/183 ( 2013.01 )  
 G06N 20/00 ( 2019.01 )  
 G06Q 10/0635 ( 2023.01 )  
 G06Q 10/0639 ( 2023.01 )  
 (31) 18/088,484 (32) 23.12.22 (33) US  
 (43) 11.07.2024  
 (72) SMAAGARD, Kyle; MORGAN, Dylan; CATTANEO, Laura; BULLOCK, Catherine; VANCIU, Chris; CHAPLIN, Boris  
 (74) Spruson & Ferguson
- 
- (71) Canva Pty Ltd  
 (11) AU-A-2024204338  
 (21) 2024204338 (22) 25.06.2024  
 (54) Systems and methods for automatically generating designs  
 (51) Int. Cl.  
 G06T 11/60 ( 2006.01 )  
 G06F 3/0482 ( 2013.01 )  
 G06F 3/04842 ( 2022.01 )  
 G06F 3/04847 ( 2022.01 )  
 G06F 40/186 ( 2020.01 )  
 (43) 11.07.2024  
 (62) 2023201259  
 (72) NASEBY, David; LO, Gloria; WU, Michael  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Cardionomic, Inc.  
 (11) AU-A-2024204281  
 (21) 2024204281 (22) 21.06.2024  
 (54) Cardiac contractility neurostimulation systems and methods  
 (51) Int. Cl.  
 A61N 1/36 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022203304  
 (72) WALDHAUSER, Steven L.; GOEDEKE, Steven D.; CHRISTIANSON, Mark R.; CHRISTOPHERSON, Mark A.; SERDAR, David J.; CHRISTIAN, Steven C.; EUTENEUER, Charles L.  
 (74) FB Rice Pty Ltd
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- (71) CASIO COMPUTER CO., LTD.  
 (11) AU-A-2023282259  
 (21) 2023282259 (22) 14.12.2023  
 (54) Program, server apparatus, client apparatus, system, method implemented by server apparatus, and method implemented by client apparatus  
 (51) Int. Cl.  
 G06F 16/583 ( 2019.01 )
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- (71) CASIO COMPUTER CO., LTD.  
 (11) AU-A-2023282262  
 (21) 2023282262 (22) 14.12.2023  
 (54) Program, server apparatus, client apparatus, system, method implemented by server apparatus, and method implemented by client apparatus  
 (51) Int. Cl.  
 G06F 21/31 ( 2013.01 )  
 G06F 16/50 ( 2019.01 )  
 (31) 2022-205569 (32) 22.12.22 (33) JP  
 (43) 11.07.2024  
 (72) AOKI, Nobuhiro  
 (74) Griffith Hack
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- (71) Caterpillar Inc.  
 (11) AU-A-2024204192  
 (21) 2024204192 (22) 19.06.2024  
 (54) Locking feature for a filter  
 (51) Int. Cl.  
 B01D 29/21 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2021227525  
 (72) RIES, Jeffrey R.; IMMEL, Jon T.; MOREHOUSE III, Darrell L.; OED-EWALDT, Stephen E.; SPENGLER, Philip C.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Caterpillar Inc.  
 (11) AU-A-2024204351  
 (21) 2024204351 (22) 25.06.2024  
 (54) Heavy duty shroud  
 (51) Int. Cl.  
 E02F 9/28 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018324360  
 (72) BALAN, Mihai M.; SERRURIER, Douglas C.  
 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2024204352 (22) 25.06.2024  
 (54) Heavy duty shroud  
 (51) Int. Cl.  
 E02F 9/28 ( 2006.01 )  
 (43) 11.07.2024  
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 (72) BALAN, Mihai M.; SERRURIER, Douglas C.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Chase Therapeutics Corporation  
 (11) AU-A-2024204167  
 (21) 2024204167 (22) 19.06.2024  
 (54) COMPOSITIONS AND METHODS FOR TREATING SYNUCLEINOPATHIES  
 (51) Int. Cl.
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- (71) ChemoCentryx, Inc.  
 (11) AU-A-2024204212  
 (21) 2024204212 (22) 20.06.2024  
 (54) Combination therapy using a Chemokine Receptor 2 (CCR2) antagonist and a PD-1/PD-L1 inhibitor  
 (51) Int. Cl.  
 A61K 31/351 ( 2006.01 )  
 A61K 31/453 ( 2006.01 )  
 A61K 31/536 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018335486  
 (72) CAMPBELL, James J.; MIAO, Zhenhua  
 (74) Spruson & Ferguson
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 (21) 2023203211 (22) 22.05.2023  
 (54) Intelligent and Environment-Friendly Toilet and Bath Sewage Treatment Method and Device  
 (51) Int. Cl.  
 E03B 1/04 ( 2006.01 )  
 C02F 9/00 ( 2023.01 )  
 E03C 1/01 ( 2006.01 )  
 E03F 5/14 ( 2006.01 )  
 (31) 2022116873290 (32) 27.12.22 (33) CN  
 (43) 11.07.2024  
 (72) BAI, Xue; LIU, Jialin; BAI, Yan  
 (74) PATENTS AU PTY LTD
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 (11) AU-A-2023203212  
 (21) 2023203212 (22) 22.05.2023  
 (54) Toilet Deodorization System and Toilet Deodorization Control Method  
 (51) Int. Cl.  
 A61L 9/03 ( 2006.01 )  
 A61L 9/013 ( 2006.01 )  
 A61L 9/015 ( 2006.01 )

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(11) AU-A-2023285802  
(21) 2023285802 (22) 20.12.2023  
(54) VIDEO ANONYMIZATION METHOD AND APPARATUS, ELECTRONIC DEVICE AND STORAGE MEDIUM  
(51) Int. Cl.  
G06V 10/82 ( 2022.01 )  
G06T 7/00 ( 2017.01 )  
G06V 10/764 ( 2022.01 )  
G06V 20/60 ( 2022.01 )
- (31) 202211658726.5 (32) 22.12.22 (33) CN  
(43) 11.07.2024  
(72) Cao, Bintao; Lu, Bin; Li, Ping; Zheng, Hui; Weng, Jianglin  
(74) Madderns Pty Ltd
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- (71) City of Hope; Board of Regents, The University of Texas System  
(11) AU-A-2024204218  
(21) 2024204218 (22) 20.06.2024  
(54) BAFF-R TARGETED CHIMERIC ANTI-GEN RECEPTOR-MODIFIED T-CELLS AND USES THEREOF  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
C07K 16/30 ( 2006.01 )
- (43) 11.07.2024  
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(72) Qin, Hong; Kwak, Larry W.  
(74) Griffith Hack
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(11) AU-A-2024204305  
(21) 2024204305 (22) 24.06.2024  
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(51) Int. Cl.  
A23L 5/20 ( 2016.01 )  
A23L 33/105 ( 2016.01 )
- (43) 11.07.2024  
(62) 2020379492  
(72) HAN, Jin Hee; PARK, Sung Yong  
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- (71) Climate LLC  
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(54) Digital modeling and tracking of agricultural fields for implementing agricultural field trials  
(51) Int. Cl.  
G06Q 50/02 ( 2012.01 )  
A01G 7/00 ( 2006.01 )  
G06Q 50/00 ( 2012.01 )
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- RINKENBERGER, Brandon; SAUDER, Doug  
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- (71) COCREATION GRASS CO., LTD  
(11) AU-A-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 )
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(43) 11.07.2024  
(72) Wang, Qing; SUN, Yangjing; ZHAO, Chungui  
(74) Remarkable IP
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(11) AU-A-2023274235  
(21) 2023274235 (22) 04.12.2023  
(54) TRANSFER PLATE MECHANISM OF AN APPARATUS FOR LOADING AND UNLOADING A SHIPPING CONTAINER  
(51) Int. Cl.  
B65G 67/20 ( 2006.01 )  
B66F 9/04 ( 2006.01 )
- (31) 2219618.2 (32) 23.12.22 (33) GB  
(43) 11.07.2024  
(72) McVicar, Martin; Moffett, Robert; Whyte, Mark  
(74) James & Wells Intellectual Property
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- (71) Commonwealth Scientific and Industrial Research Organisation  
(11) AU-A-2024204180  
(21) 2024204180 (22) 19.06.2024  
(54) Methods  
(51) Int. Cl.  
A23K 10/16 ( 2016.01 )  
A23K 20/105 ( 2016.01 )  
A23K 50/10 ( 2016.01 )  
C12N 1/18 ( 2006.01 )  
C12N 1/20 ( 2006.01 )  
C12N 9/08 ( 2006.01 )  
C12N 15/70 ( 2006.01 )  
C12N 15/81 ( 2006.01 )  
C12N 15/82 ( 2006.01 )  
C12P 5/02 ( 2006.01 )
- (43) 11.07.2024  
(62) 2022298331  
(72) AYLIFFE, Michael Anthony; LOAN, Thomas David; LUO, Ming  
(74) FB Rice Pty Ltd
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(11) AU-A-2024204217  
(21) 2024204217 (22) 20.06.2024  
(54) PROCESS AND SYSTEM FOR CAPTURE OF CARBON DIOXIDE  
(51) Int. Cl.
- B01D 53/14 ( 2006.01 )  
B01D 53/62 ( 2006.01 )  
B01D 53/78 ( 2006.01 )  
C01B 32/50 ( 2017.01 )
- (43) 11.07.2024  
(62) 2018273827  
(72) Puxty, Graeme Douglas; Conway, William; Yang, Qi; Feron, Paul Hubert Maria  
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(11) AU-A-2023285835  
(21) 2023285835 (22) 21.12.2023  
(54) Method for optimizing the energy management of a fleet of electric transportation vehicles, more particularly a fleet of electric buses  
(51) Int. Cl.  
B60L 58/10 ( 2019.01 )  
G06Q 10/04 ( 2023.01 )  
G06Q 10/06 ( 2023.01 )
- (31) 22216353.7 (32) 23.12.22 (33) EP  
(43) 11.07.2024  
(72) BONEKAMP, Bart; WEIJERS, Robèrt; WOLF, Anko; LUCKETT, Andrew  
(74) Griffith Hack
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- (71) Covenant Eyes, Inc.  
(11) AU-A-2024204230  
(21) 2024204230 (22) 20.06.2024  
(54) Tunneled monitoring service and methods  
(51) Int. Cl.  
G06F 11/30 ( 2006.01 )
- (43) 11.07.2024  
(62) 2022202238  
(72) KING, Jason; WOFFORD, Jeff; SMITH, Patrick; HAMMERSLEY, Scott; DE-HAAS, Ronald  
(74) Spruson & Ferguson
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- Cripps Clark, J. see Cripps Clark, J.  
(21) 2024204058
- 
- (71) Cripps Clark, J.; Cripps Clark, J.  
(11) AU-A-2024204058  
(21) 2024204058 (22) 14.06.2024  
(54) FlagMkTectiface is a block chain distributed peer-to-peer device system for managing legally accountable diverse information services and wide area sensor data with multiple accountabilities in trans and multi jurisdiction complex scenarios with potential involvement of partners/sponsors.  
(51) Int. Cl.  
G06F 21/62 ( 2013.01 )  
G06F 16/182 ( 2019.01 )  
G06F 16/28 ( 2019.01 )  
G06F 21/64 ( 2013.01 )  
G06N 5/022 ( 2023.01 )  
G06N 20/00 ( 2019.01 )  
G06Q 10/10 ( 2023.01 )  
H04L 9/00 ( 2022.01 )

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 (62) 2022209202  
 (72) Cripps Clark, Julianne  
 (74) Julianne Mary Cripps Clark

(71) CSR Building Products Limited  
 (11) AU-A-2024204259  
 (21) 2024204259 (22) 21.06.2024  
 (54) MODULAR BUILDING STRUCTURES, METHODS AND SYSTEMS  
 (51) Int. Cl.  
*E04B 1/348* ( 2006.01 )  
*E04H 1/00* ( 2006.01 )

(43) 11.07.2024  
 (62) 2018202214  
 (72) Jacobs, Colin; Pickworth, Kevin; Baxter, Ryan; McDonough, Ben  
 (74) Griffith Hack

(71) Dacey, C.  
 (11) AU-A-2023266340  
 (21) 2023266340 (22) 16.11.2023  
 (54) The Nest Bed. A bed base that can be reconfigured as required to suit all bed sizes, including single, king single, double, queen & king, using 19 interlocking pieces & secured with 6 to 12 screws.  
 (51) Int. Cl.  
*A47C 19/04* ( 2006.01 )  
*A47C 19/02* ( 2006.01 )  
*A47C 19/00* ( 2006.01 )  
 (31) 2022904004 (32) 23.12.22 (33) AU  
 (43) 11.07.2024  
 (72) Caitlin Dacey  
 (74) Caitlin Muriel Dacey

**Dana-Farber Cancer Institute, Inc. see The General Hospital Corporation**  
 (21) 2024204248

(71) Deciphera Pharmaceuticals, LLC  
 (11) AU-A-2024204210  
 (21) 2024204210 (22) 20.06.2024  
 (54) Aminopyrimidine amide autophagy inhibitors and methods of use thereof  
 (51) Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*C07D 239/48* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/12* ( 2006.01 )  
*C07D 403/14* ( 2006.01 )  
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 (62) 2020297422  
 (72) FLYNN, Daniel L; AHN, Yu Mi; CALDWELL, Timothy; VOGELI, Lakshminarayana  
 (74) Spruson & Ferguson

(71) DEKA Products Limited Partnership  
 (11) AU-A-2024204377  
 (21) 2024204377 (22) 26.06.2024  
 (54) BLOOD TREATMENT SYSTEMS AND METHODS

(51) Int. Cl.  
*A61M 1/10* ( 2006.01 )  
*A61M 1/16* ( 2006.01 )  
*A61M 1/34* ( 2006.01 )  
*A61M 1/36* ( 2006.01 )  
*G06F 1/16* ( 2006.01 )

(43) 11.07.2024  
 (62) 2022268342  
 (72) Ballantyne, Todd Andrew; Grant, Kevin L.; Wilt, Michael J.; Van der Merwe, Dirk; Rosse, Jonathan P.; Flynn, Catharine N.; Yee, Brian K.  
 (74) HENRY HUGHES IP LTD

(71) Dexcom, Inc.  
 (11) AU-A-2024204270  
 (21) 2024204270 (22) 21.06.2024  
 (54) Advanced calibration for analyte sensors  
 (51) Int. Cl.  
*A61B 5/145* ( 2006.01 )  
*A61B 5/1495* ( 2006.01 )  
*G01N 33/487* ( 2006.01 )

(43) 11.07.2024  
 (62) 2022201202  
 (72) VANSLYKE, Stephen J.; BHAVARAJU, Naresh C.; BOHNETT, Lucas; GARCIA, Arturo; KAMATH, Apurv Ullas; PRYOR, Jack  
 (74) FB Rice Pty Ltd

(71) Dibiase, J.; Rite-Hite Holding Corporation  
 (11) AU-A-2024204237  
 (21) 2024204237 (22) 20.06.2024  
 (54) Maneuverable Ergonomic Trailer Stands

(51) Int. Cl.  
*B60D 1/66* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022246428  
 (72) DIBIASE, Joe; WIEGEL, Aaron J.; OLSON, Andy; WAUGAMAN, Charles; SWIFT, David; GRANT, Donald; WERNECKE, Garret; OATES, Jason; DONDLINGER, Jason; KORMAN, Joe; PARUCH, Lucas I.; SNYDER, Ronald P.; DUESING, Tony  
 (74) WRAYS PTY LTD

**Diehl Defence GmbH & Co. KG see Diehl Energy Products GmbH**  
 (21) 2023274067

(71) Diehl Energy Products GmbH; Diehl Defence GmbH & Co. KG  
 (11) AU-A-2023274067  
 (21) 2023274067 (22) 27.11.2023  
 (54) Passively heated thermal battery  
 (51) Int. Cl.  
*H01M 6/36* ( 2006.01 )  
*H01M 6/50* ( 2006.01 )

(31) 102022004875.2 (32) 22.12.22 (33) DE  
 (43) 11.07.2024  
 (72) Walter PREIß; Dominik CLEMENT; Tobias KORTHALS; Thomas KUHN  
 (74) Spruson & Ferguson

(71) DM Orthotics Limited  
 (11) AU-A-2024204202  
 (21) 2024204202 (22) 20.06.2024  
 (54) ORTHOTIC SHOULDER SUPPORT  
 (51) Int. Cl.  
*A61F 5/01* ( 2006.01 )  
*A41D 27/10* ( 2006.01 )  
*A61H 1/02* ( 2006.01 )  
*A63B 21/045* ( 2006.01 )  
*A63B 21/055* ( 2006.01 )  
*A63B 23/12* ( 2006.01 )

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 (62) 2019229760  
 (72) MATTHEWS, Martin  
 (74) James & Wells Intellectual Property

(71) Dragonfly Therapeutics, Inc.  
 (11) AU-A-2024204260  
 (21) 2024204260 (22) 21.06.2024  
 (54) Multispecific binding proteins targeting CAIX, ANO1, mesothelin, TROP2, CEA, or claudin-18.2

(51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018224319  
 (72) CHANG, Gregory P.; CHEUNG, Ann F.; GUTIERREZ, Eva; HANEY, William; LUNDE, Bradley M.; PRINZ, Bianka  
 (74) Spruson & Ferguson

(71) DRLOCK 24h PTY LTD  
 (11) AU-A-2022291530  
 (21) 2022291530 (22) 21.12.2022  
 (54) Conversion Kit For Gainsborough 3400 Mortice Lock  
 (51) Int. Cl.  
*E05B 9/00* ( 2006.01 )  
*E05B 9/08* ( 2006.01 )  
*E05B 63/00* ( 2006.01 )  
*E05B 63/08* ( 2006.01 )  
 (43) 11.07.2024  
 (72) Rozario, Nathan  
 (74) DRLOCK 24h PTY LTD

(71) Duracell U.S. Operations, Inc.; National Technology & Engineering Solutions of Sandia, LLC  
 (11) AU-A-2024204334  
 (21) 2024204334 (22) 25.06.2024  
 (54) BATTERY CELL WITH SAFETY LAYER  
 (51) Int. Cl.  
*H01M 50/109* ( 2021.01 )  
*H01M 10/04* ( 2006.01 )  
*H01M 50/56* ( 2021.01 )  
*H01M 50/572* ( 2021.01 )

(43) 11.07.2024  
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 (72) Pozin, Michael; Paxton, Walter Fred; Kaehr, Bryan James  
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 (11) AU-A-2024204245  
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 (54) Eddy Current Brake Configurations  
 (51) Int. Cl.  
*H02K 49/04* ( 2006.01 )  
*A62B 1/08* ( 2006.01 )  
*B60L 7/28* ( 2006.01 )  
*F16D 59/02* ( 2006.01 )  
*H02K 7/10* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022201587  
 (72) Allington, Christopher James; Diehl, Andrew Karl; Wright, Kevin A.; Hill, Weston; Walters, Dave  
 (74) Davies Collison Cave Pty Ltd

(71) Eddy Current Limited Partnership  
 (11) AU-A-2024204359  
 (21) 2024204359 (22) 26.06.2024  
 (54) A Variable Behaviour Control Mechanism for a Motive System  
 (51) Int. Cl.  
*G01P 15/08* ( 2006.01 )  
*B60R 21/0132* ( 2006.01 )  
*B60R 22/40* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022203296  
 (72) Diehl, Andrew Karl; Scott, Peter; Woods, Benjamin; Frost, Lincoln  
 (74) Davies Collison Cave Pty Ltd

(71) Eli Lilly and Company  
 (11) AU-A-2024202616  
 (21) 2024202616 (22) 22.04.2024  
 (54) Method Of Using A GIP/GLP1 Co-Agonist For Diabetes  
 (51) Int. Cl.  
*A61K 38/26* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
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 (72) ALSINA-FERNANDEZ, Jorge; CABRERA, Over; COSKUN, Tamer  
 (74) WRAYS PTY LTD

(71) Eli Lilly and Company  
 (11) AU-A-2024204375  
 (21) 2024204375 (22) 26.06.2024  
 (54) Methods and systems for generating behavioral insights using survey instruments and diabetes treatment information  
 (51) Int. Cl.  
*G16H 10/20* ( 2018.01 )  
*G16H 10/60* ( 2018.01 )  
*G16H 15/00* ( 2018.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Erasmus University Medical Center Rotterdam  
 (11) AU-A-2024204316  
 (21) 2024204316 (22) 24.06.2024  
 (54) Reagents, methods and kits for diagnosing primary immunodeficiencies  
 (51) Int. Cl.  
*C07K 16/00* ( 2006.01 )  
*G01N 15/14* ( 2006.01 )  
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 (43) 11.07.2024  
 (62) 2021200836  
 (72) VAN DONGEN, Jacobus Johannes Maria; ORFAO DE MATOS CORREIA E VALE, José Alberto; VAN DER BURG, Mirjam; PÉREZ-ANDRÉS, Martín; VAN ZELM, Menno Cornelis; KALINA, Tomás; VLKOVÁ, Marcela; LÓPEZ-GRANADOS, Eduard  
 (74) FB Rice Pty Ltd

(71) Esperion Therapeutics, Inc.  
 (11) AU-A-2024204369  
 (21) 2024204369 (22) 26.06.2024  
 (54) Fixed dose formulations  
 (51) Int. Cl.  
*A61K 9/16* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 31/202* ( 2006.01 )  
*A61K 31/397* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018272040  
 (72) ABDELNASSER, Mohamed; PILGAONKAR, Pratibha, S; GANDHI, Anilkumar S  
 (74) FB Rice Pty Ltd

(71) Evolva SA  
 (11) AU-A-2024204171  
 (21) 2024204171 (22) 19.06.2024  
 (54) Recombinant production of steviol glycosides  
 (51) Int. Cl.  
*C12N 9/00* ( 2006.01 )  
*C12N 9/10* ( 2006.01 )  
*C12N 9/90* ( 2006.01 )  
*C12N 15/81* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
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 (43) 11.07.2024  
 (62) 2022203048  
 (72) HOUGHTON-LARSEN, Jens; HICKS, Paula M.; NAESBY, Michael; OSTERGAARD, Tange Thomas; HANSEN, Jorgen; DALGAARD, Mikkelsen Michael; HALKJAER, Hansen Esben; SIMON, Ernesto; DE ANDRADE PEREIRA TAVARES, Sabina  
 (74) FPA Patent Attorneys Pty Ltd

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2024204292  
 (21) 2024204292 (22) 24.06.2024  
 (54) HUMIDIFICATION SYSTEM  
 (51) Int. Cl.  
*A61M 16/16* ( 2006.01 )

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 (74) AJ PARK

(71) Flat Planet Limited  
 (11) AU-A-2024204285  
 (21) 2024204285 (22) 21.06.2024  
 (54) FLOWER CARTRIDGE FOR HERB DELIVERY  
 (51) Int. Cl.  
*A24F 47/00* ( 2020.01 )  
 (43) 11.07.2024  
 (62) 2019301719  
 (72) SIMPSON, Michael Lee; BICKERTON, Matthew James  
 (74) RnB IP Pty Ltd

(71) Fred Hutchinson Cancer Center  
 (11) AU-A-2024203377  
 (21) 2024203377 (22) 21.05.2024  
 (54) Altering inflammatory states of immune cells in vivo by modulating cellular activation states  
 (51) Int. Cl.  
*A61K 9/51* ( 2006.01 )  
*A61K 9/50* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2019210188  
 (72) STEPHAN, Matthias  
 (74) Griffith Hack

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(71) Future Meat Technologies Ltd.; Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.  
 (11) AU-A-2024204088  
 (21) 2024204088 (22) 14.06.2024  
 (54) Utilization of plant protein homologues in culture media  
 (51) Int. Cl.  
*C07K 14/76* ( 2006.01 )  
*A61K 35/30* ( 2015.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 5/00* ( 2006.01 )

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- (43) 11.07.2024  
(62) 2021211229  
(72) NAHMIAS, Yaakov; COHEN, Merav; CASPI, Jonathan  
(74) Davies Collison Cave Pty Ltd
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- (71) Gambro Lundia AB  
(11) AU-A-2024204207  
(21) 2024204207 (22) 20.06.2024  
(54) Apparatus for extracorporeal blood treatment  
(51) Int. Cl.  
**A61M 1/34** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )
- (43) 11.07.2024  
(62) 2018397260  
(72) COURT, Thierry; POUCHOULIN, Dominique  
(74) Griffith Hack
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- (71) Genzyme Corporation  
(11) AU-A-2024203920  
(21) 2024203920 (22) 07.06.2024  
(54) Recombinant AAV vectors expressing osteoprotective genes, including HAS2 and lubricin, useful in the treatment of osteoarthritis and related joint conditions in mammals  
(51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )
- (43) 11.07.2024  
(62) 2017207917  
(72) Dias Figueiredo, Monica; Kyostio-Moore, Sirkka RM; Berthelette, Patricia  
(74) FB Rice Pty Ltd
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- (71) Genzyme Corporation  
(11) AU-A-2024204136  
(21) 2024204136 (22) 18.06.2024  
(54) Methods and compositions for treating a bleeding event in a subject having hemophilia  
(51) Int. Cl.  
**A61P 7/04** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )
- (43) 11.07.2024  
(62) 2018301801  
(72) AKINC, Akin  
(74) Griffith Hack
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- (71) Geomni, Inc.  
(11) AU-A-2024204170  
(21) 2024204170 (22) 19.06.2024  
(54) Computer vision systems and methods for geospatial property feature detection and extraction from digital images  
(51) Int. Cl.  
**H04N 7/18** ( 2006.01 )
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(74) Davies Collison Cave Pty Ltd
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- (71) GUANGDONG JIUCCO MEDICAL EQUIPMENT CO., LTD.  
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(54) CONTROL METHOD FOR BREATHING MACHINE AND BREATHING MACHINE  
(51) Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61B 5/087** ( 2006.01 )  
**A61B 5/113** ( 2006.01 )  
**A61B 5/31** ( 2021.01 )  
**A61B 5/313** ( 2021.01 )  
**A61B 5/397** ( 2021.01 )
- (31) 202211629345.4 (32) 19.12.22 (33) CN  
(43) 11.07.2024  
(72) LU, Hua; LU, Jiejing  
(74) Madderns Pty Ltd
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- (71) GW Research Limited  
(11) AU-A-2024204208  
(21) 2024204208 (22) 20.06.2024  
(54) Use of cannabinoids in the treatment of epilepsy  
(51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61K 31/20** ( 2006.01 )  
**A61K 31/27** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/4015** ( 2006.01 )  
**A61K 31/4166** ( 2006.01 )  
**A61K 31/423** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61K 31/551** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
**A61K 31/5517** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61P 25/10** ( 2006.01 )
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(74) FPA Patent Attorneys Pty Ltd
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(54) MICROBIAL INOCULANT COMPOSITIONS AND METHODS  
(51) Int. Cl.  
**A01N 25/28** ( 2006.01 )  
**A01N 63/10** ( 2020.01 )  
**A01N 63/30** ( 2020.01 )
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(21) 2024204276 (22) 21.06.2024  
(54) Distributed-battery aerial vehicle and a powering method therefor  
(51) Int. Cl.  
**B64D 27/24** ( 2006.01 )  
**B64C 39/02** ( 2023.01 )
- (43) 11.07.2024  
(62) 2018247579  
(72) HANNA, Mark Holbrook; HANNA, Douglas Morgan  
(74) Spruson & Ferguson
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- (71) HANWHA CORPORATION  
(11) AU-A-2023219942  
(21) 2023219942 (22) 07.07.2023  
(54) APPARATUS AND METHOD FOR OPERATING ELECTRONIC DETONATOR BLASTER WITH INTEGRATED FLIGHT FUNCTION  
(51) Int. Cl.  
**F42D 1/00** ( 2006.01 )
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(43) 11.07.2024  
(72) CHOI, Jeong Ho  
(74) WRAYS PTY LTD
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- (71) Harm Reduction Supplies Corporation  
(11) AU-A-2023282228  
(21) 2023282228 (22) 13.12.2023  
(54) Convertible container  
(51) Int. Cl.  
**A61B 50/36** ( 2016.01 )  
**B65D 25/04** ( 2006.01 )  
**B65D 43/02** ( 2006.01 )  
**B65F 1/14** ( 2006.01 )  
**B65F 1/16** ( 2006.01 )
- (31) 18/146,236 (32) 23.12.22 (33) US  
(43) 11.07.2024  
(72) GRAY, Samuel Bradford  
(74) Spruson & Ferguson
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- (71) HELAINA, INC.  
(11) AU-A-2024204195  
(21) 2024204195 (22) 19.06.2024  
(54) METHODS AND COMPOSITIONS FOR PROTEIN SYNTHESIS AND SECRETION  
(51) Int. Cl.  
**C07K 1/00** ( 2006.01 )

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 (72) BOTERO BESADA-LOMBANA, Pamela; KATZ, Laura  
 (74) Minter Ellison
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- (71) Hiab AB  
 (11) AU-A-2023274226  
 (21) 2023274226 (22) 04.12.2023  
 (54) Working equipment with a lift frame assembly  
 (51) Int. Cl.  
*B60P 1/48* (2006.01)  
 (31) 22215293.6 (32) 21.12.22 (33) EP  
 (43) 11.07.2024  
 (72) VÄHÄ-PIIKKIÖ, Ville; NYSTRÖM, Mikko; MATTILA, Tommi; SIRÉN, Pasi  
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 (11) AU-A-2023274228  
 (21) 2023274228 (22) 04.12.2023  
 (54) Working equipment with a lift frame assembly with alignment capabilities  
 (51) Int. Cl.  
*B60P 1/48* (2006.01)  
 (31) 22215297.7 (32) 21.12.22 (33) EP  
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 (72) VÄHÄ-PIIKKIÖ, Ville; NYSTRÖM, Mikko; MATTILA, Tommi; SIRÉN, Pasi  
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 (11) AU-A-2023278030  
 (21) 2023278030 (22) 06.12.2023  
 (54) Controller and method  
 (51) Int. Cl.  
*G05D 3/12* (2006.01)  
*B66F 1/00* (2006.01)  
*B66F 9/07* (2006.01)  
*B66F 9/075* (2006.01)  
*H04L 67/12* (2022.01)  
*H04W 4/44* (2018.01)  
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- (71) Hoselink Pty Ltd  
 (11) AU-A-2023254975  
 (21) 2023254975 (22) 26.10.2023  
 (54) REEL SPOOLING DEVICE  
 (51) Int. Cl.  
*B65H 75/44* (2006.01)  
*B65H 75/36* (2006.01)  
*B65H 54/28* (2006.01)  
*B65H 75/42* (2006.01)  
 (31) 2022904000 (32) 23.12.22 (33) AU  
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 (72) MORGAN, Andrew; KIERATH, James  
 (74) Halfords IP
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 (11) AU-A-2023270221
- (21) 2023270221 (22) 21.11.2023  
 (54) REEL SPOOLING DEVICE  
 (51) Int. Cl.  
*B65H 75/44* (2006.01)  
*B65H 75/36* (2006.01)  
*F16H 25/12* (2006.01)  
 (31) 2022903999 (32) 23.12.22 (33) AU  
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 (72) Andrew MORGAN; James KIERATH  
 (74) Halfords IP
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- (71) HOWMEDICA OSTEONICS CORP.  
 (11) AU-A-2023282310  
 (21) 2023282310 (22) 15.12.2023  
 (54) FIXTURES FOR MASKING METAL PARTS  
 (51) Int. Cl.  
*A61F 2/30* (2006.01)  
 (31) 63/476,673 (32) 22.12.22 (33) US  
 (43) 11.07.2024  
 (72) CROUS, Heinrich George  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024204348  
 (21) 2024204348 (22) 25.06.2024  
 (54) GROUP ADDRESSED TRAFFIC TRANSMISSION METHOD APPLICABLE TO PLURALITY OF LINKS AND APPARATUS  
 (51) Int. Cl.  
*H04W 4/06* (2009.01)  
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 (72) Gan, Ming; Huang, Guogang; Li, Yiqing; Yang, Xun  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024204376  
 (21) 2024204376 (22) 26.06.2024  
 (54) ACCESS POINT AP MULTI-LINK DEVICE DISCOVERY METHOD AND RELATED APPARATUS  
 (51) Int. Cl.  
*H04W 12/06* (2021.01)  
 (43) 11.07.2024  
 (62) 2021248280  
 (72) Gan, Ming; Huang, Guogang; Li, Yiqing; Zhou, Yifan; Hu, Mengshi; Liang, Dandan  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HUAWEI TECHNOLOGIES CO., LTD.  
 (11) AU-A-2024204378  
 (21) 2024204378 (22) 26.06.2024  
 (54) INDICATION METHOD AND DETERMINATION METHOD FOR NOMINAL PACKET PADDING VALUE, AND COMMUNICATION APPARATUS  
 (51) Int. Cl.  
*H04L 5/00* (2006.01)  
*H04W 72/04* (2023.01)
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- (71) IGT  
 (11) AU-A-2024204176  
 (21) 2024204176 (22) 19.06.2024  
 (54) SYSTEM AND METHOD FOR COORDINATING TRANSACTIONS INVOLVING CASHLESS WAGERING ACCOUNTS AND GAMING ESTABLISHMENT RETAIL ACCOUNTS  
 (51) Int. Cl.  
*G06Q 50/34* (2012.01)  
*A63F 13/79* (2014.01)  
*G06Q 20/10* (2012.01)  
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 (62) 2018236732  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) IGT  
 (11) AU-A-2024204177  
 (21) 2024204177 (22) 19.06.2024  
 (54) SYSTEM AND METHOD FOR TRACKING FUND TRANSFERS BETWEEN AN ELECTRONIC GAMING MACHINE AND A PLURALITY OF FUNDING SOURCES  
 (51) Int. Cl.  
*G06Q 50/34* (2012.01)  
*G06Q 20/36* (2012.01)  
*G07F 17/32* (2006.01)  
 (43) 11.07.2024  
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 (72) Higgins, Kevin; Petersen, Erik; Shepherd, Jeffery  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) IGT  
 (11) AU-A-2024204178  
 (21) 2024204178 (22) 19.06.2024  
 (54) SYSTEM AND METHOD FOR INVOKING COMMANDS UTILIZING A MOBILE DEVICE AND A GAMING ESTABLISHMENT DEVICE  
 (51) Int. Cl.  
*G07F 17/32* (2006.01)  
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 (72) Miri, Sina; Davis, Dwayne A.; Higgins, Kevin; Levin, Matt Christopher; Petersen, Erik  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) Screw  
 (51) Int. Cl.  
*F16B 25/02* (2006.01)  
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(74) Davies Collison Cave Pty Ltd (72) HU, Chia-Jui; LEE, Tse-Lin; WU, Ming-Xuan  
(74) Churchill Attorneys
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- (71) Immutep S.A.S.  
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(21) 2024204196 (22) 19.06.2024  
(54) COMBINED PREPARATIONS FOR THE TREATMENT OF CANCER OR INFECTION  
(51) Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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(62) 2022200133  
(72) Triebel, Frederic; Brignone, Chrystelle  
(74) Madderns Pty Ltd
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- (71) Immutrix Therapeutics, Inc.  
(11) AU-A-2024204227  
(21) 2024204227 (22) 20.06.2024  
(54) Novel carbon foams and methods of making and using same  
(51) Int. Cl.  
**C01B 32/05** ( 2017.01 )  
(43) 11.07.2024  
(62) 2018346514  
(72) DIAZ-AUÑON, Jose A.; KOZYNCHENKO, Oleksandr  
(74) Davies Collison Cave Pty Ltd
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- (71) Incyte Holdings Corporation  
(11) AU-A-2024204283  
(21) 2024204283 (22) 21.06.2024  
(54) HETEROARYL SUBSTITUTED PYRROLO[2,3-B]PYRIDINES AND PYRROLO[2,3-B]PYRIMIDINES AS JANUS KINASE INHIBITORS  
(51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/395** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07D 487/04** ( 2006.01 )  
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(74) Houlihan Intellectual Property Pty Ltd
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(11) AU-A-2023202486  
(21) 2023202486 (22) 24.04.2023  
(54) LOADING CALCULATION MODULE, VEHICLE ANTI-RUNAWAY SYSTEM, VEHICLE AND METHOD USING THE SAME  
(51) Int. Cl.
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- (71) Infusion Innovations Pty Ltd  
(11) AU-A-2024204228  
(21) 2024204228 (22) 20.06.2024  
(54) Assemblies, Systems and Methods for Programming Medical Devices  
(51) Int. Cl.  
**A61M 5/168** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**G06F 21/70** ( 2013.01 )  
**G16H 10/00** ( 2018.01 )  
**H04L 9/32** ( 2006.01 )  
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(62) 2018299206  
(72) SLUGGETT, Andrew; DJURASEVICH, Danny; CROCKETT, Paul  
(74) CHILIAD CONSULTING PTY LTD
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- (71) INNER MONGOLIA UNIVERSITY OF TECHNOLOGY  
(11) AU-A-2023387752  
(21) 2023387752 (22) 14.11.2023  
(54) PRODUCTION OF BACTERIAL PROTEIN BIOLOGICAL FEED BY MEANS OF TWO-STEP FERMENTATION OF CORN HUSK  
(51) Int. Cl.  
**C12N 1/14** ( 2006.01 )  
**A23K 10/12** ( 2016.01 )  
**C12N 1/16** ( 2006.01 )  
**C12R 1/685** ( 2006.01 )  
**C12R 1/72** ( 2006.01 )  
**C12R 1/865** ( 2006.01 )  
(31) 202211628999.5 (32) 19.12.22 (33) CN  
(43) 11.07.2024  
(72) LIU, Zhanying; YAN, Yaping  
(74) Remarkable IP
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- (71) Inter Earth Pty Ltd  
(11) AU-A-2023285990  
(21) 2023285990 (22) 22.12.2023  
(54) A Continuous Harvester Machine  
(51) Int. Cl.  
**A01G 23/093** ( 2006.01 )  
**A01D 41/06** ( 2006.01 )  
**A01D 45/00** ( 2018.01 )  
**A01B 63/00** ( 2006.01 )  
**A01D 34/835** ( 2006.01 )  
**A01D 43/00** ( 2006.01 )  
**A01D 43/08** ( 2006.01 )  
**A01D 67/00** ( 2006.01 )  
**B62D 49/06** ( 2006.01 )  
(31) 2022903990 (32) 22.12.22 (33) AU  
(43) 11.07.2024  
(72) Carr, Howard  
(74) WRAYS PTY LTD
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- (71) International Business Machines Corporation  
(11) AU-A-2024204321  
(21) 2024204321 (22) 24.06.2024
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- (54) Radio-frequency (RF) to direct current (DC) converter and bipolar quantized supercurrent generator (QSG)  
(51) Int. Cl.  
**H03K 17/92** ( 2006.01 )  
**G06N 10/00** ( 2022.01 )  
**H03K 3/38** ( 2006.01 )  
**H03K 19/195** ( 2006.01 )  
(43) 11.07.2024  
(62) 2021331239  
(72) BECK, Matthew  
(74) Spruson & Ferguson
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- (71) International Business Machines Corporation  
(11) AU-A-2024204380  
(21) 2024204380 (22) 26.06.2024  
(54) Event correlation in fault event management  
(51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
(43) 11.07.2024  
(62) 2021236966  
(72) MILLS, Peter; BUGGINS, Jack Richard; THORNHILL, Matthew Richard; SUCKLING, Joshua  
(74) Spruson & Ferguson
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(11) AU-A-2024204323  
(21) 2024204323 (22) 24.06.2024  
(54) Engineered artificial antigen presenting cells for tumor infiltrating lymphocyte expansion  
(51) Int. Cl.  
**C12N 5/0784** ( 2010.01 )  
**A61K 39/00** ( 2006.01 )  
**C12N 5/078** ( 2010.01 )  
**C12N 5/0783** ( 2010.01 )  
(43) 11.07.2024  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Itron, Inc.  
(11) AU-A-2023251496  
(21) 2023251496 (22) 19.10.2023  
(54) Electric grid load forecasts with distributed photovoltaic generation  
(51) Int. Cl.  
**G06Q 10/04** ( 2023.01 )  
**G06Q 50/06** ( 2012.01 )  
**H02J 3/46** ( 2006.01 )  
(31) 18/087719 (32) 22.12.22 (33) US  
(43) 11.07.2024  
(72) Monforte, Frank Anthony  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Itron, Inc.  
(11) AU-A-2023274210  
(21) 2023274210 (22) 01.12.2023  
(54) Voltage grid anomaly detection  
(51) Int. Cl.  
**G01R 19/165** ( 2006.01 )

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**G01R 19/25** ( 2006.01 )  
**G01R 31/34** ( 2020.01 )  
**G06Q 50/06** ( 2012.01 )  
**(31)** 18/089353 **(32)** 27.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** Melvin James Gehrs; David Wu Gang-  
er; Timothy James Driscoll; Chaitanya  
Ashok Baone  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Itron, Inc.  
**(11)** AU-A-2023282235  
**(21)** 2023282235 **(22)** 13.12.2023  
**(54)** Management of message transmission  
using forward error correction  
**(51)** Int. Cl.  
**H03M 13/03** ( 2006.01 )  
**H04L 1/16** ( 2023.01 )  
**(31)** 18/069,575 **(32)** 21.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** UHLING, Thomas F.; BARNES, Keith  
Wayne; SEELY, Danny Ray  
**(74)** Spruson & Ferguson
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- (71)** Janssen Pharmaceutica NV  
**(11)** AU-A-2024204213  
**(21)** 2024204213 **(22)** 20.06.2024  
**(54)** Dosing regimens associated with exten-  
ded release paliperidone injectable for-  
mulations  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 25/18** ( 2006.01 )  
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**(43)** 11.07.2024  
**(62)** 2021386450  
**(72)** GOPAL, Srihari; VENKATASUB-  
RAMANIAN, Raja; T'JOLLYN, Huy-  
brecht  
**(74)** Spruson & Ferguson
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- (71)** Johnson & Johnson Consumer Inc.  
**(11)** AU-A-2024204312  
**(21)** 2024204312 **(22)** 24.06.2024  
**(54)** Oral care composition  
**(51)** Int. Cl.  
**A61K 8/81** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018381169  
**(72)** QUEIROZ, Daniel; TESTER, Chantel;  
GIANO, Michael C.; CHEN, Rebecca;  
GAMBOGI, Robert J.  
**(74)** Spruson & Ferguson
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- (71)** Kegland Holdings Pty Ltd  
**(11)** AU-A-2023274223  
**(21)** 2023274223 **(22)** 04.12.2023  
**(54)** BEVERAGE DISPENSING APPARAT-  
US AND SYSTEM  
**(51)** Int. Cl.  
**B67D 1/08** ( 2006.01 )  
**B67D 7/02** ( 2010.01 )  
**(31)** 2022904035 **(32)** 26.12.22 **(33)** AU
- 
- (43)** 11.07.2024  
**(72)** Higgins, Phillip; Doery, Kee; Evans,  
Dominic  
**(74)** envantage
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- (71)** KINGSMEAD HOLDINGS (SW) LIM-  
ITED  
**(11)** AU-A-2023282242  
**(21)** 2023282242 **(22)** 13.12.2023  
**(54)** PANEL FOR A TEMPORARY STRUC-  
TURE AND A STRUCTURE COM-  
PRISING THE SAME  
**(51)** Int. Cl.  
**E04B 2/74** ( 2006.01 )  
**E04B 1/61** ( 2006.01 )  
**E04C 2/34** ( 2006.01 )  
**E04G 21/24** ( 2006.01 )  
**(31)** GB2219345.2 **(32)** 21.12.22 **(33)** GB  
**(43)** 11.07.2024  
**(72)** MATTHEWS, Stephen John  
**(74)** Collison & Co
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- Komatsu Ltd. see Toyota Jidosha Ka-**  
**bushiki Kaisha**  
**(21)** 2023282238
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- (71)** Kraftanlagen Energies & Services SE  
**(11)** AU-A-2024204294  
**(21)** 2024204294 **(22)** 24.06.2024  
**(54)** HEATING DEVICE, HEATING SYS-  
TEM, HEAT STORAGE DEVICE AND  
HEAT STORAGE SYSTEM  
**(51)** Int. Cl.  
**F01K 3/00** ( 2006.01 )  
**F24H 3/04** ( 2022.01 )  
**F24H 7/04** ( 2006.01 )  
**F28D 20/00** ( 2006.01 )  
**H02J 15/00** ( 2006.01 )  
**H05B 3/24** ( 2006.01 )  
**F28D 17/02** ( 2006.01 )  
**F28D 17/04** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021268992  
**(72)** DOERBECK, Till; HERRMANN, Jakob;  
SCHWARZ, Gerhard  
**(74)** Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
- 
- (71)** Kraftanlagen Energies & Services SE  
**(11)** AU-A-2024204295  
**(21)** 2024204295 **(22)** 24.06.2024  
**(54)** HEATING DEVICE, HEATING SYS-  
TEM, HEAT STORAGE DEVICE AND  
HEAT STORAGE SYSTEM  
**(51)** Int. Cl.  
**F01K 3/00** ( 2006.01 )  
**F24H 3/04** ( 2022.01 )  
**F24H 7/04** ( 2006.01 )  
**F28D 20/00** ( 2006.01 )  
**H02J 15/00** ( 2006.01 )  
**H05B 3/24** ( 2006.01 )  
**F28D 17/02** ( 2006.01 )  
**F28D 17/04** ( 2006.01 )
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- (43)** 11.07.2024  
**(62)** 2021268992  
**(72)** DOERBECK, Till; HERRMANN, Jakob;  
SCHWARZ, Gerhard  
**(74)** Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
- 
- (71)** Kunming University of Science and  
Technology; Yunnan Wenshan Alumin-  
um Co., Ltd.  
**(11)** AU-A-2023285713  
**(21)** 2023285713 **(22)** 18.12.2023  
**(54)** METHOD FOR REDUCING LOW-  
VALENT SULFUR CONTENT IN SYS-  
TEM FOR PRODUCING ALUMINA US-  
ING BAYER PROCESS  
**(51)** Int. Cl.  
**C22B 3/12** ( 2006.01 )  
**B01F 31/85** ( 2022.01 )  
**C01F 7/476** ( 2022.01 )  
**C22B 3/22** ( 2006.01 )  
**C22B 21/06** ( 2006.01 )  
**(31)** 202211666990.3 **(32)** 22.12.22 **(33)** CN  
**(43)** 11.07.2024  
**(72)** YIN, Shaohua; ZHANG, Libo; DUAN,  
Haisheng; ZHAO, Jiaping; CHEN, Ying  
**(74)** Wynnes Patent and Trade Mark Attor-  
neys Pty Ltd
- 
- (71)** Leica Microsystems CMS GmbH; Leica  
Mikrosysteme GmbH  
**(11)** AU-A-2023274137  
**(21)** 2023274137 **(22)** 29.11.2023  
**(54)** Controller for a microtome, microtome  
system and corresponding method  
**(51)** Int. Cl.  
**G01N 1/06** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 7/73** ( 2017.01 )  
**G06V 20/69** ( 2022.01 )  
**(31)** EP22216638.1 **(32)** 23.12.22 **(33)** EP  
**(43)** 11.07.2024  
**(72)** Frank Hecht; Paul Wurzinger; Matthias  
Katzengruber  
**(74)** Davies Collison Cave Pty Ltd
- 
- Leica Mikrosysteme GmbH see Leica Mi-**  
**crosystems CMS GmbH**  
**(21)** 2023274137
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2024204278  
**(21)** 2024204278 **(22)** 21.06.2024  
**(54)** METHOD AND APPARATUS FOR SIG-  
NALING IMAGE INFORMATION  
**(51)** Int. Cl.  
**H04N 19/70** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )  
**H04N 19/174** ( 2014.01 )  
**(43)** 11.07.2024  
**(62)** 2020394260  
**(72)** HENDRY, Hendry; PALURI, Seethal;  
KIM, Seunghwan  
**(74)** Dentons Patent Attorneys Australasia  
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(71) LG Electronics Inc.  
 (11) AU-A-2024204300  
 (21) 2024204300 (22) 24.06.2024  
 (54) METHOD AND DEVICE FOR PROCESSING IMAGE INFORMATION FOR IMAGE/VIDEO CODING  
 (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/174* ( 2014.01 )  
*H04N 19/503* ( 2014.01 )  
*H04N 19/593* ( 2014.01 )  
 (43) 11.07.2024  
 (62) 2020379478  
 (72) PALURI, Seethal; HENDRY, Hendry; KIM, Seunghwan; ZHAO, Jie  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2024204315  
 (21) 2024204315 (22) 24.06.2024  
 (54) IMAGE CODING APPARATUS AND METHOD BASED ON SIGNALING OF INFORMATION FOR FILTERING  
 (51) Int. Cl.  
*H04N 19/82* ( 2014.01 )  
*H04N 19/117* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/137* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
 (43) 11.07.2024  
 (62) 2020388338  
 (72) HENDRY, Hendry; PALURI, Seethal; KIM, Seunghwan  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-A-2024204346  
 (21) 2024204346 (22) 25.06.2024  
 (54) Method and device for performing image decoding on basis of intra prediction in image coding system  
 (51) Int. Cl.  
*H04N 19/117* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
 (43) 11.07.2024  
 (62) 2022215197  
 (72) Yoo, Sunmi; Lee, Jaeho; Choi, Jangwon; Seo, Jungdong; Heo, Jin  
 (74) Davies Collison Cave Pty Ltd

(71) LG ELECTRONICS INC.  
 (11) AU-A-2024204256  
 (21) 2024204256 (22) 21.06.2024  
 (54) Lighting module and refrigerator having dispenser  
 (51) Int. Cl.  
*F25D 27/00* ( 2006.01 )  
*F25D 29/00* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022200359  
 (72) LEE, Sunghun; KIM, Hoon; KIM, Minki; PARK, Jihoon  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LM Connections Pty Ltd  
 (11) AU-A-2023233201  
 (21) 2023233201 (22) 22.09.2023  
 (54) AN APPARATUS AND METHOD FOR USE IN CREATING A CONDUIT  
 (51) Int. Cl.  
*H02G 3/04* ( 2006.01 )  
*E04G 15/06* ( 2006.01 )  
*H02G 1/08* ( 2006.01 )  
*H02G 3/38* ( 2006.01 )  
 (31) 2022903953 (32) 22.12.22 (33) AU  
 (43) 11.07.2024  
 (72) MUNCHENBERG, Luke  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Macdonald, J.  
 (11) AU-A-2023285805  
 (21) 2023285805 (22) 20.12.2023  
 (54) A method to generate marine clouds for albedo cooling using boiled seawater and salt particles  
 (51) Int. Cl.  
*A01G 15/00* ( 2006.01 )  
 (31) 2022903938 (32) 21.12.22 (33) AU  
 (43) 11.07.2024  
 (72) Macdonald, John  
 (74) John Andrew Macdonald

(71) Mahindra and Mahindra Limited  
 (11) AU-A-2023285704  
 (21) 2023285704 (22) 18.12.2023  
 (54) A SYSTEM AND A METHOD FOR GESTURE CONTROLLED OUTSIDE REAR VIEW MIRRORS OF A VEHICLE  
 (51) Int. Cl.  
*G06V 20/59* ( 2022.01 )  
*G06F 3/01* ( 2006.01 )  
*G06F 3/03* ( 2006.01 )  
*G06V 10/10* ( 2022.01 )  
*G06V 10/778* ( 2022.01 )  
 (31) 202241075572 (32) 26.12.22 (33) IN  
 (43) 11.07.2024  
 (72) SHETTY, Shreshtha; MUNIYANDI, Kartik Kumar; KAMATH, Pavan; MEHATA, Puneet  
 (74) CreatelP

(71) Manitou Italia S.r.l.  
 (11) AU-A-2023278109  
 (21) 2023278109 (22) 08.12.2023  
 (54) Improved rotary telehandler  
 (51) Int. Cl.  
*B66F 9/065* ( 2006.01 )  
 (31) 102022000026658 (32) 23.12.22 (33) IT  
 (43) 11.07.2024  
 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) Manitou Italia S.r.l.  
 (11) AU-A-2023285861  
 (21) 2023285861 (22) 21.12.2023  
 (54) Portable charger device for telehandler  
 (51) Int. Cl.

*B66F 9/075* ( 2006.01 )  
*B66F 9/065* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (31) 102022000026715 (32) 23.12.22 (33) IT  
 (43) 11.07.2024  
 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) Manitou Italia S.r.l.  
 (11) AU-A-2023285862  
 (21) 2023285862 (22) 21.12.2023  
 (54) Telehandler with automatic recognition of energy sources  
 (51) Int. Cl.  
*B66F 9/075* ( 2006.01 )  
*B60K 6/22* ( 2007.10 )  
*B60K 6/46* ( 2007.10 )  
 (31) 102022000026838 (32) 27.12.22 (33) IT  
 (43) 11.07.2024  
 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) Manitou Italia S.r.l.  
 (11) AU-A-2023285911  
 (21) 2023285911 (22) 21.12.2023  
 (54) Energy management system in an electric telehandler  
 (51) Int. Cl.  
*B66F 9/24* ( 2006.01 )  
*B66F 9/065* ( 2006.01 )  
 (31) 102022000026844 (32) 27.12.22 (33) IT  
 (43) 11.07.2024  
 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) MannKind Corporation  
 (11) AU-A-2024204262  
 (21) 2024204262 (22) 21.06.2024  
 (54) A DRY POWDER INHALER AND SYSTEM FOR DRUG DELIVERY  
 (51) Int. Cl.  
*A61M 15/00* ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2023200146  
 (72) Smutney, Chad C.; Kinsey, P. Spencer; Sahi, Carl R.; Adamo, Benoit; Polidoro, John M.; Mclean, Scott; Overfield, Dennis; Bryant, Anthony; He, Tom; Mann, Alfred  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Marquette University  
 (11) AU-A-2024204353  
 (21) 2024204353 (22) 25.06.2024  
 (54) MEDICAL AND DENTAL INTEGRATED MULTIPHASIC BIOMATERIALS FOR SINGLE OR MULTI-TISSUE RECONSTRUCTION/REGENERATION  
 (51) Int. Cl.  
*A61L 27/02* ( 2006.01 )  
*A61L 27/14* ( 2006.01 )  
*A61L 27/24* ( 2006.01 )  
*A61L 27/52* ( 2006.01 )  
*A61L 27/56* ( 2006.01 )

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- (43) 11.07.2024  
 (62) 2018266193  
 (72) Tayebi, Lobat; Dashtimoghadam, Erfan; Fahimipour, Farahnaz  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Massachusetts Institute of Technology  
 (11) AU-A-2024203694  
 (21) 2024203694 (22) 31.05.2024  
 (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)  
 (43) 11.07.2024  
 (62) 2020206321  
 (72) ESTANDIAN, Daniel Masao; CHOUERI, Alexi Georges; BOYDEN, Edward Stuart; WASSIE, Asmamaw  
 (74) RNB IP PTY LTD
- 
- (71) MAX CO., LTD.  
 (11) AU-A-2023285960  
 (21) 2023285960 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*A01G 3/037* (2006.01)  
*B23D 29/00* (2006.01)  
*B26B 17/00* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
 2022-210296 27.12.22 JP  
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 2022-210372 27.12.22 JP  
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 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
- 
- (71) MAX CO., LTD.  
 (11) AU-A-2023285964  
 (21) 2023285964 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*A01G 3/037* (2006.01)  
*B23D 29/00* (2006.01)  
*B26B 17/00* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
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 2022-210594 27.12.22 JP  
 2022-210638 27.12.22 JP  
 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
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- (71) MAX CO., LTD.  
 (11) AU-A-2023285962  
 (21) 2023285962 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*B26B 17/00* (2006.01)  
*B26B 29/00* (2006.01)  
*G05B 11/01* (2006.01)  
*G05B 15/02* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
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 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
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- (71) MAX CO., LTD.  
 (11) AU-A-2023285963  
 (21) 2023285963 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*A01G 3/037* (2006.01)  
*B23D 29/00* (2006.01)  
*B26B 17/00* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
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 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
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- (71) MAX CO., LTD.  
 (11) AU-A-2023285964  
 (21) 2023285964 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*A01G 3/037* (2006.01)  
*B23D 29/00* (2006.01)  
*B26B 17/00* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
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 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
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- (71) MAX CO., LTD.  
 (11) AU-A-2023285965  
 (21) 2023285965 (22) 22.12.2023  
 (54) CUTTING DEVICE  
 (51) Int. Cl.  
*B26B 15/00* (2006.01)  
*B23D 29/00* (2006.01)  
*B26B 17/00* (2006.01)  
 (31) 2022-210196 (32) 27.12.22 (33) JP  
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 (43) 11.07.2024  
 (72) SUTO, Kohei; MORIMURA, Takashi; YOSHIMURA, Kazunobu; SANO, Shoma  
 (74) AJ PARK
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- (71) MAX CO., LTD.  
 (11) AU-A-2023285968  
 (21) 2023285968 (22) 22.12.2023  
 (54) BINDING MACHINE  
 (51) Int. Cl.  
*B21F 15/04* (2006.01)  
*B25B 25/00* (2006.01)  
*B25B 28/00* (2006.01)  
*B65B 13/28* (2006.01)  
*E04G 21/12* (2006.01)  
 (31) 2022-209413 (32) 27.12.22 (33) JP  
 2023-186612 31.10.23 JP  
 (43) 11.07.2024  
 (72) ISHIGURO, Hiroki; YAMAZAKI, Tai-chi; SHINDOU, Shigeki; YOSHIDA, Yusuke; FUKUDA, Tetsuro; TAKAHASHI, Shingo; KOSUGE, Makoto  
 (74) AJ PARK
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- (71) Melcare Medical Pty Ltd  
 (11) AU-A-2024204272  
 (21) 2024204272 (22) 21.06.2024  
 (54) Compositions and Methods of Use  
 (51) Int. Cl.  
*A61K 35/64* (2015.01)  
*A61K 9/08* (2006.01)  
*A61K 9/107* (2006.01)  
*A61P 11/02* (2006.01)  
*A61P 11/04* (2006.01)  
*A61P 17/02* (2006.01)  
*A61P 27/02* (2006.01)  
*A61P 27/16* (2006.01)  
 (43) 11.07.2024  
 (62) 2021200611  
 (72) Moloney, Anthony Peter  
 (74) Davies Collison Cave Pty Ltd
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- (71) MERISTEM CROP PERFORMANCE GROUP, LLC  
 (11) AU-A-2023375281  
 (21) 2023375281 (22) 08.02.2023  
 (54) METHOD AND DEVICE FOR DELIVERING VIABLE MICROORGANISMS IN SEED LUBRICANT TO SEED SUPPLY  
 (51) Int. Cl.  
*A01C 1/06* (2006.01)  
*B65D 81/24* (2006.01)  
*B65D 81/32* (2006.01)  
*C12N 1/04* (2006.01)  
*C12N 1/20* (2006.01)  
 (31) 63/434,588 (32) 22.12.22 (33) US  
 (43) 11.07.2024  
 (72) EVISTON, Mitchell  
 (74) Michael Buck IP
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- (71) Minnetronix Neuro, Inc.  
 (11) AU-A-2024204345  
 (21) 2024204345 (22) 25.06.2024  
 (54) Systems for treating along the central nervous system  
 (51) Int. Cl.  
*A61M 27/00* (2006.01)  
*A61B 10/00* (2006.01)  
*A61M 1/00* (2006.01)

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(43) 11.07.2024  
 (62) 2021217085  
 (72) DARBANDI, Bejan Michael; MCCABE, Aaron R.  
 (74) Spruson & Ferguson

(71) Mitsubishi Heavy Industries, Ltd.  
 (11) AU-A-2024204194  
 (21) 2024204194 (22) 19.06.2024  
 (54) Aircraft position control system, aircraft, and aircraft position control method  
 (51) Int. Cl.  
*B64C 13/18* (2006.01)  
*B64D 45/04* (2006.01)  
*B64D 47/08* (2006.01)  
*G05D 1/46* (2024.01)  
*G08G 5/02* (2006.01)  
 (43) 11.07.2024  
 (62) 2020364556  
 (72) KOJIMA, Toru  
 (74) Spruson & Ferguson

(71) Mitsui Chemicals Agro, Inc.  
 (11) AU-A-2024204182  
 (21) 2024204182 (22) 19.06.2024  
 (54) PROLONGED ECTOPARASITE-CONTROLLING AGENT FOR ANIMAL  
 (51) Int. Cl.  
*A01N 43/40* (2006.01)  
*A01N 37/24* (2006.01)  
*A01N 41/10* (2006.01)  
*A01N 43/54* (2006.01)  
*A01P 7/00* (2006.01)  
*A01P 15/00* (2006.01)  
 (43) 11.07.2024  
 (62) 2018335796  
 (72) Aoki, Yoji; Banba, Shinichi; Berger, Markus; Baerfacker, Lars  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Moleculin Biotech, Inc.; Board of Regents, The University of Texas System  
 (11) AU-A-2024203593  
 (21) 2024203593 (22) 29.05.2024  
 (54) METHOD OF RECONSTITUTING LIPOSOMAL ANNAMYCIN  
 (51) Int. Cl.  
*A61K 31/704* (2006.01)  
*A61K 9/127* (2006.01)  
*A61K 47/24* (2006.01)  
*A61K 47/26* (2006.01)  
*A61L 31/04* (2006.01)  
*C08G 18/10* (2006.01)  
*C08G 18/22* (2006.01)  
 (43) 11.07.2024  
 (62) 2020302784  
 (72) PICKER, Donald; PRIEBE, Waldemar  
 (74) AJ PARK

(71) Mountain Top (Denmark) ApS  
 (11) AU-A-2024204304  
 (21) 2024204304 (22) 24.06.2024  
 (54) Slat connecting system for a roll-up truck bed cover  
 (51) Int. Cl.  
*B60J 7/04* (2006.01)  
*B60J 7/06* (2006.01)

(43) 11.07.2024  
 (62) 2020275435  
 (72) VOETMANN, Thomas Rendbeck; HANSEN, Peter Singer; SZABOLCS, Feigler  
 (74) Adams Pluck

(71) MVA Diagnostics, Inc.  
 (11) AU-A-2024204200  
 (21) 2024204200 (22) 20.06.2024  
 (54) Method and system for acquiring, tracking, and testing asset sample data  
 (51) Int. Cl.  
*G06Q 10/06* (2023.01)  
*G06Q 50/06* (2012.01)  
 (43) 11.07.2024  
 (62) 2020394362  
 (72) REED, Scott D.  
 (74) Davies Collison Cave Pty Ltd

(71) MX Technologies, Inc.  
 (11) AU-A-2024204157  
 (21) 2024204157 (22) 18.06.2024  
 (54) RISK ASSESSMENT BASED DATA ACCESS  
 (51) Int. Cl.  
*H04L 9/00* (2022.01)  
 (43) 11.07.2024  
 (62) 2022211879  
 (72) WHITCOMB, David; JONES, Daniel; FROMM, Brian  
 (74) Griffith Hack

(71) Nanjing Chervon Industry Co., Ltd.  
 (11) AU-A-2023263522  
 (21) 2023263522 (22) 09.11.2023  
 (54) REAR-MOVING POWER TOOL  
 (51) Int. Cl.  
*A01D 34/00* (2006.01)  
*A01D 34/47* (2006.01)  
*A01D 34/58* (2006.01)  
*A01D 34/62* (2006.01)  
*A01D 34/68* (2006.01)  
*A01D 34/78* (2006.01)  
 (31) 202211682903.3 (32) 27.12.22 (33) CN  
 202311205173.2 18.09.23 CN  
 (43) 11.07.2024  
 (72) Mingyang Chen; Yazhou Geng; Haishen Xu  
 (74) Madderns Pty Ltd

**National Technology & Engineering Solutions of Sandia, LLC see Duracell U.S. Operations, Inc.**  
 (21) 2024204334

(71) NINGBO LIYANG NEW MATERIAL COMPANY LIMITED  
 (11) AU-A-2023258360  
 (21) 2023258360 (22) 31.10.2023  
 (54) EXTERNAL PUNCHING-FREE MOUNTING MECHANISM FOR CURTAIN  
 (51) Int. Cl.  
*E06B 9/42* (2006.01)  
*E06B 9/40* (2006.01)

(31) 202223453419.1 (32) 22.12.22 (33) CN  
 (43) 11.07.2024  
 (72) Baoguo TAN; Jianhong WEI; Yi DING  
 (74) Michael Buck IP

(71) Novo Nordisk A/S  
 (11) AU-A-2024204151  
 (21) 2024204151 (22) 18.06.2024  
 (54) GLP-1 compositions and uses thereof  
 (51) Int. Cl.  
*A61K 9/00* (2006.01)  
*A61K 38/00* (2006.01)  
*A61K 47/10* (2017.01)  
 (43) 11.07.2024  
 (62) 2018321157  
 (72) HORN MØLLER, Eva; DUELUND SØRENSEN, Michael; LUNDQVIST, Joakim  
 (74) Pearce IP Pty Ltd

(71) Nunhems B.V.  
 (11) AU-A-2023285857  
 (21) 2023285857 (22) 21.12.2023  
 (54) Lettuce variety NUN 06340 LTL  
 (51) Int. Cl.  
*A01H 6/14* (2018.01)  
*A01H 1/02* (2006.01)  
*A01H 1/04* (2006.01)  
*A01H 5/10* (2018.01)  
*A01H 5/12* (2018.01)  
 (31) 63/476,498 (32) 21.12.22 (33) US  
 (43) 11.07.2024  
 (72) Munoz Munoz, Juan Francisco  
 (74) Davies Collison Cave Pty Ltd

(71) Nunhems B.V.  
 (11) AU-A-2023285863  
 (21) 2023285863 (22) 21.12.2023  
 (54) Lettuce variety NUN 06346 LTL  
 (51) Int. Cl.  
*A01H 6/14* (2018.01)  
*A01H 1/02* (2006.01)  
*A01H 1/04* (2006.01)  
*A01H 5/10* (2018.01)  
*A01H 5/12* (2018.01)  
 (31) 63/476,479 (32) 21.12.22 (33) US  
 (43) 11.07.2024  
 (72) Munoz Munoz, Juan Francisco  
 (74) Davies Collison Cave Pty Ltd

(71) OMNISENS S.A.  
 (11) AU-A-2023278093  
 (21) 2023278093 (22) 08.12.2023  
 (54) Addressing device, optical fiber associated with an addressing device, and system and method for addressing optical fibers  
 (51) Int. Cl.  
*G02B 6/02* (2006.01)  
*H04B 10/25* (2013.01)  
*H04B 10/80* (2013.01)  
 (31) 22215690.3 (32) 21.12.22 (33) EP  
 (43) 11.07.2024  
 (72) ROCHAT, Etienne  
 (74) Davies Collison Cave Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) ORR, T.E.; ANDERSON, R.  
 (11) AU-A-2022477087  
 (21) 2022477087 (22) 28.12.2022  
 (54) APPARATUS FOR NITROGENIZING A BEVERAGE  
 (51) Int. Cl.  
     **B67D 1/04** ( 2006.01 )  
     **A23L 2/54** ( 2006.01 )  
     **A47J 31/41** ( 2006.01 )  
     **B01F 23/2361** ( 2022.01 )  
     **B01F 23/237** ( 2022.01 )  
     **B01F 27/80** ( 2022.01 )  
     **B01F 35/00** ( 2022.01 )  
     **B67D 1/06** ( 2006.01 )  
 (43) 11.07.2024  
 (72) ORR, Timothy, E.; ANDERSON, Randy  
 (74) AJ PARK

(71) Oxleigh Recycling Technologies Pty Ltd  
 (11) AU-A-2023285789  
 (21) 2023285789 (22) 20.12.2023  
 (54) A method of extracting valuable metals from battery waste  
 (51) Int. Cl.  
     **C22B 7/00** ( 2006.01 )  
     **C22B 1/06** ( 2006.01 )  
     **C22B 3/00** ( 2006.01 )  
     **C22B 26/12** ( 2006.01 )  
     **C22B 47/00** ( 2006.01 )  
     **H01M 6/52** ( 2006.01 )  
     **H01M 10/54** ( 2006.01 )  
     C22B 3/02 ( 2006.01 )  
     C22B 11/00 ( 2006.01 )  
     C22B 15/00 ( 2006.01 )  
     C22B 21/00 ( 2006.01 )  
     C22B 26/22 ( 2006.01 )  
 (31) 2022904001 (32) 23.12.22 (33) AU  
 (43) 11.07.2024  
 (72) NOMVAR, Mobin; COX, Shane Joseph; LO, Victor Cheuk-Kit  
 (74) Spruson & Ferguson

(71) PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.  
 (11) AU-A-2023270312  
 (21) 2023270312 (22) 23.11.2023  
 (54) Hot water storing-type hot water supplying system  
 (51) Int. Cl.  
     **F24D 19/10** ( 2006.01 )  
     **F16K 17/04** ( 2006.01 )  
     **F16K 17/08** ( 2006.01 )  
     **F16K 17/168** ( 2006.01 )  
     **F24D 17/02** ( 2006.01 )  
     **F24H 1/18** ( 2022.01 )  
     **F24H 9/20** ( 2022.01 )  
     **F24H 15/40** ( 2022.01 )  
 (31) 2022-208063 (32) 26.12.22 (33) JP  
 (43) 11.07.2024  
 (72) Takashi YAMAGUCHI; Tadashi YANAGISAWA  
 (74) Griffith Hack

(71) Pentair Water Pool and Spa, Inc.  
 (11) AU-A-2023285980  
 (21) 2023285980 (22) 22.12.2023  
 (54) Automatic discovery of pool pad equipment system and method  
 (51) Int. Cl.

**H04W 4/06** ( 2009.01 )  
**E04H 4/14** ( 2006.01 )  
**G16Y 40/10** ( 2020.01 )  
**G16Y 40/30** ( 2020.01 )  
**H04L 67/04** ( 2022.01 )  
**H04L 67/125** ( 2022.01 )  
**H04W 4/38** ( 2018.01 )  
 (31) 63/435,237 (32) 24.12.22 (33) US  
     63/477,870 30.12.22 US  
 (43) 11.07.2024  
 (72) LEWIS, Keith; RODRIGUEZ, Edgardo; MOLLYN, Ramsundar; HIRSH, Stephen; REGAN, Carl  
 (74) GLMR

**PGI Drug Discovery LLC. see Sunovion Pharmaceuticals Inc.**  
 (21) 2024204310

(71) Phenogy AG  
 (11) AU-A-2024204224  
 (21) 2024204224 (22) 20.06.2024  
 (54) BATTERY  
 (51) Int. Cl.  
     **H01M 6/32** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022205210  
 (72) BAKKER, Niels  
 (74) Murray Trento & Associates Pty Ltd

(71) Phoenix Spine Holdings, Inc.  
 (11) AU-A-2024204231  
 (21) 2024204231 (22) 20.06.2024  
 (54) Methods and apparatus for facilitating direct visualized rhizotomy  
 (51) Int. Cl.  
     **A61B 1/00** ( 2006.01 )  
     **A61B 1/05** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022203307  
 (72) LIEBERMAN, Daniel; DEROS, Yani; IBARRA, Matthew James; RUTHERFORD, Kirsten; KINNARD, John B.; OVANS, Craig C.  
 (74) Spruson & Ferguson

(71) Poly Gain Pte Ltd  
 (11) AU-A-2024204161  
 (21) 2024204161 (22) 19.06.2024  
 (54) Use of sugar cane extracts in the treatment or prevention of microbial infections and dysbiosis  
 (51) Int. Cl.  
     **A61K 36/899** ( 2006.01 )  
     **A23K 10/33** ( 2016.01 )  
     **A23K 20/00** ( 2016.01 )  
     **A23K 50/80** ( 2016.01 )  
     **A61P 1/14** ( 2006.01 )  
     **A61P 31/04** ( 2006.01 )  
     **A61P 31/12** ( 2006.01 )  
     **A61P 33/02** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2021384768  
 (72) Mitchell, Shane; Kitchen, Barry; Macnab, Gregor; Flavel, Matthew  
 (74) FB Rice Pty Ltd

(71) Proex Food, LLC  
 (11) AU-A-2023203934  
 (21) 2023203934 (22) 22.06.2023  
 (54) FOOD IMAGING AND PROCESSING SYSTEMS AND METHODS  
 (51) Int. Cl.

(71) Praeventix, LLC; Temple University-of The Commonwealth System of Higher Education  
 (11) AU-A-2024204240  
 (21) 2024204240 (22) 20.06.2024  
 (54) Novel modulators of the 5-hydroxytryptamine receptor 7 and their method of use  
 (51) Int. Cl.  
     **C07D 307/33** ( 2006.01 )  
     **C07D 307/94** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022202240  
 (72) Canney, Daniel J.; Blass, Benjamin E.; Blattner, Kevin M.; Pippin, Douglas A.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Prelude Therapeutics, Incorporated  
 (11) AU-A-2024204264  
 (21) 2024204264 (22) 21.06.2024  
 (54) Selective inhibitors of protein arginine methyltransferase 5 (PRMT5)  
 (51) Int. Cl.  
     **C07D 487/04** ( 2006.01 )  
     **A61K 31/519** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **C07D 519/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2019235912  
 (72) LUENGO, Juan; LIN, Hong; HAWKINS, Michael; SHETTY, Rupa; PITIS, Philip; SABORIT VILLARROYA, Gisela  
 (74) Spruson & Ferguson

(71) Pro9 Global Pty Ltd  
 (11) AU-A-2024204198  
 (21) 2024204198 (22) 19.06.2024  
 (54) A load bearing module and method for constructing an insulated structure  
 (51) Int. Cl.  
     **E04C 2/38** ( 2006.01 )  
     **E04B 1/14** ( 2006.01 )  
     **E04B 1/61** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018271239  
 (72) Jukic, Daniel  
 (74) Griffith Hack

(71) Process Plants International Pty Ltd  
 (11) AU-A-2024204238  
 (21) 2024204238 (22) 20.06.2024  
 (54) Sparge for a High-Pressure Vessel  
 (51) Int. Cl.  
     **B01J 8/20** ( 2006.01 )  
     **C22B 3/02** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018226615  
 (72) Fisher, Daniel  
 (74) Process Plants International Pty Ltd

(71) Proex Food, LLC  
 (11) AU-A-2023203934  
 (21) 2023203934 (22) 22.06.2023  
 (54) FOOD IMAGING AND PROCESSING SYSTEMS AND METHODS  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**G01N 23/083** ( 2018.01 )  
**A23N 15/04** ( 2006.01 )  
**B25J 9/16** ( 2006.01 )  
**B25J 11/00** ( 2006.01 )  
**B26D 1/03** ( 2006.01 )  
**B26D 3/26** ( 2006.01 )  
**B65G 47/72** ( 2006.01 )  
**(31)** 63/476,526 **(32)** 21.12.22 **(33)** US  
 18/169,331 15.02.23 US  
**(43)** 11.07.2024  
**(72)** Ghadiri, Daniel  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Proinvex Urban S.L  
**(11)** AU-A-2023285779  
**(21)** 2023285779 **(22)** 20.12.2023  
**(54)** FOOTWEAR SOLE WITH ROPE WALL  
 AND METHOD OF MANUFACTURE  
**(51)** Int. Cl.  
**A43B 13/04** ( 2006.01 )  
**A43B 1/14** ( 2006.01 )  
**A43B 7/08** ( 2022.01 )  
**(31)** EP 22383264.3 **(32)** 22.12.22 **(33)** EP  
**(43)** 11.07.2024  
**(72)** URBAN BRU, Francisco Manuel  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Prolacta Bioscience, Inc.  
**(11)** AU-A-2024204350  
**(21)** 2024204350 **(22)** 25.06.2024  
**(54)** Purified human milk oligosaccharides  
 compositions  
**(51)** Int. Cl.  
**A23C 21/02** ( 2006.01 )  
**C07H 1/06** ( 2006.01 )  
**C07H 1/08** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022202598  
**(72)** Sun, Adam; Le Bouedec, Annabelle;  
 Huynh, Tin D.; Tran, Kim Thu  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Prologium Holding Inc.; Prologium  
 Technology Co., Ltd.  
**(11)** AU-A-2024204162  
**(21)** 2024204162 **(22)** 19.06.2024  
**(54)** Thermal Runaway Suppression Ele-  
 ment and Related Applications  
**(51)** Int. Cl.  
**H01M 10/655** ( 2014.01 )  
**H01M 10/613** ( 2014.01 )  
**H01M 50/24** ( 2021.01 )  
**H01M 50/293** ( 2021.01 )  
**(43)** 11.07.2024  
**(62)** 2022211913  
**(72)** YANG, Szu-Nan  
**(74)** A.P.T. Patent and Trade Mark Attor-  
 neys

**Prologium Technology Co., Ltd. see Prolo-  
 gium Holding Inc.**  
**(21)** 2024204162

**(71)** Prometheus Therapeutics Inc.  
**(11)** AU-A-2024203999  
**(21)** 2024203999 **(22)** 13.06.2024

**(54)** DEVICES FOR REPAIR OF A SE-  
 LECTED BLOOD VESSEL OR PART  
 THEREOF AND RAPID HEALING OF  
 INJURED INTERNAL BODY CAVITY  
 WALLS  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 1/05** ( 2006.01 )  
**A61B 1/313** ( 2006.01 )  
**A61B 17/12** ( 2006.01 )  
**A61B 18/24** ( 2006.01 )  
**A61F 2/90** ( 2013.01 )  
**A61N 5/06** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018269378  
**(72)** Lieber, Baruch B.; Rose, John A.  
**(74)** RnB IP Pty Ltd

**(71)** PyroGenesis Canada Inc.  
**(11)** AU-A-2024204275  
**(21)** 2024204275 **(22)** 21.06.2024  
**(54)** METHOD AND APPARATUS FOR  
 PRODUCING FINE SPHERICAL  
 POWDERS FROM COARSE AND AN-  
 GULAR POWDER FEED MATERIAL  
**(51)** Int. Cl.  
**B22F 1/00** ( 2022.01 )  
**B33Y 70/00** ( 2020.01 )  
**B22F 3/105** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018367932  
**(72)** DORVAL DION, Christopher Alex;  
 SHAHVERDI, Ali; PROULX, François  
**(74)** Franke Hyland Pty Ltd

**(71)** Qualyst Transporter Solutions, LLC  
**(11)** AU-A-2024204363  
**(21)** 2024204363 **(22)** 26.06.2024  
**(54)** UTILITY OF PROTEIN IN THE PRE-  
 DICTION OF IN VIVO EFFECTS  
**(51)** Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021269341  
**(72)** Brouwer, Kenneth R.; Black, Christoph-  
 er B.; Jackson, Jonathan P.  
**(74)** AJ PARK

**Raison, LLC see Hagen, T.**  
**(21)** 2024204258

**(71)** Raven Industries, Inc.  
**(11)** AU-A-2024204174  
**(21)** 2024204174 **(22)** 19.06.2024  
**(54)** Duct throttled sprayer nozzle assem-  
 blies and methods for same  
**(51)** Int. Cl.  
**B05B 12/08** ( 2006.01 )  
**B05B 1/30** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021297320  
**(72)** BURGERS, Travis; STEENSMA, Seth;  
 KROSSCHELL, Justin; KOCER, Jared,  
 Ernest  
**(74)** FB Rice Pty Ltd

**(71)** REA Innovations, Inc.  
**(11)** AU-A-2024204308  
**(21)** 2024204308 **(22)** 24.06.2024  
**(54)** Systems and methods for blending sol-  
 id-shell cosmetic ingredient capsules  
 and blendable cosmetic ingredient cap-  
 sules  
**(51)** Int. Cl.  
**A45D 34/00** ( 2006.01 )  
**A45D 40/00** ( 2006.01 )  
**A61K 8/02** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**B01F 27/051** ( 2022.01 )  
**B01F 27/211** ( 2022.01 )  
**(43)** 11.07.2024  
**(62)** 2020368397  
**(72)** AKRIDGE, Robb; KHORMAEI, Iran-  
 pour; BALMER, Michelle Lynn; GOLOB,  
 Phillip Keith; PETERSON, Gregory  
 Calvin; SABIN, San Francisco; SOKOL,  
 Kimberly Ann  
**(74)** Spruson & Ferguson

**(71)** Red Surcos Colombia LTDA.  
**(11)** AU-A-2024204199  
**(21)** 2024204199 **(22)** 19.06.2024  
**(54)** Herbicide formulation in the form of a  
 microemulsion  
**(51)** Int. Cl.  
**A01N 25/04** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018422475  
**(72)** BLUMEL, Edmundo  
**(74)** Armour IP

**(71)** Regeneron Pharmaceuticals, Inc.; San-  
 ofi Biotechnology  
**(11)** AU-A-2024203011  
**(21)** 2024203011 **(22)** 07.05.2024  
**(54)** Compositions and methods for treating  
 rheumatoid arthritis  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2017229364  
**(72)** Bauer, Deborah; Boddy, Alexander;  
 Graham, Neil; Lin, Yong; Parrino, Janie;  
 Patel, Rahul; Van Adelsberg, Janet;  
 Van Hoogstraten, Hubert  
**(74)** Griffith Hack

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2024204175  
**(21)** 2024204175 **(22)** 19.06.2024  
**(54)** Anti-C5 antibodies and uses thereof  
**(51)** Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2017283470  
**(72)** Hu, Ying; Latuszek, Adrianna; Romano,  
 Carmelo; Olson, William  
**(74)** Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

(71) Research Institute of Chemical Defense, PLA Academy of Military Sciences  
 (11) AU-A-2023266319  
 (21) 2023266319 (22) 15.11.2023  
 (54) PREPARATION METHOD OF FLUORINE-FREE Ti3C2Tx MXene-MODIFIED POLYAMIDE (PA) REVERSE OSMOSIS (RO) MEMBRANE  
 (51) Int. Cl.  
 B01D 71/82 ( 2006.01 )  
 B01D 69/12 ( 2006.01 )  
 B01D 71/56 ( 2006.01 )  
 (31) 202211650857.9 (32) 21.12.22 (33) CN  
 (43) 11.07.2024  
 (72) Yi Wang; Zhanguo Li; Jun Li; Jian Li; Chunhong Chen; Yan Zhang  
 (74) Madderns Pty Ltd

(71) ResMed Pty Ltd  
 (11) AU-A-2024204185  
 (21) 2024204185 (22) 19.06.2024  
 (54) Patient Interface  
 (51) Int. Cl.  
 A61M 16/06 ( 2006.01 )  
 A61M 16/16 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2020318577  
 (72) LAW, Kam Man; TRUSCOTT, Michael Kenneth; SCHEINER, Rupert Christian; CHAN, Yun Hol; CHIA, Leicester Weiyi; LEE, Chuan Foong; TAN, Beng Hai  
 (74) James & Wells Intellectual Property

(71) ResMed Pty Ltd  
 (11) AU-A-2024204191  
 (21) 2024204191 (22) 19.06.2024  
 (54) CONDUIT HEADGEAR CONNECTOR FOR PATIENT INTERFACE  
 (51) Int. Cl.  
 A61M 16/06 ( 2006.01 )  
 A61M 16/20 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022202305  
 (72) BALUCHAGI, Ravikumar; EVES, Matthew; GOLDSPINK, Lachlan Richard; SANGADI, Nookarajesh Varma  
 (74) Halfords IP

(71) Rite-Hite Holding Corporation  
 (11) AU-A-2024203964  
 (21) 2024203964 (22) 11.06.2024  
 (54) Air Barrier Systems For Data Center Zone Containment  
 (51) Int. Cl.  
 H05K 7/20 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022228192  
 (72) GEBKE, Kevin J.; SCHMIDT, Blaine; KAUFMANN, Nicholas L.; SLOAN, Philip; NIEHAUS, William A.  
 (74) WRAYS PTY LTD

Rite-Hite Holding Corporation see Dibiasi, J.  
 (21) 2024204237

(71) Rosemount Aerospace Inc.  
 (11) AU-A-2023278092  
 (21) 2023278092 (22) 08.12.2023  
 (54) Method and system for pilot support  
 (51) Int. Cl.  
 B64D 45/00 ( 2006.01 )  
 A61B 5/18 ( 2006.01 )  
 B64D 47/08 ( 2006.01 )  
 (31) 18/087,271 (32) 22.12.22 (33) US  
 (43) 11.07.2024  
 (72) Eucken, Douglas; Pesik, Joseph; Jensen, Isaac; Boer, Jonathan; Nguyen, Dat  
 (74) Griffith Hack

Rubin, M. see Halstead, J.  
 (21) 2024204298

(71) Ryan Francis Limited  
 (11) AU-A-2023285936  
 (21) 2023285936 (22) 22.12.2023  
 (54) A BRACKET FOR A LADDER AND AN ASSEMBLY FOR SAME  
 (51) Int. Cl.  
 E06C 7/48 ( 2006.01 )  
 E06C 7/06 ( 2006.01 )  
 (31) 795974 (32) 22.12.22 (33) NZ  
 (43) 11.07.2024  
 (72) McNamara, Gary  
 (74) James & Wells Intellectual Property

Sanofi Biotechnology see Regeneron Pharmaceuticals, Inc.  
 (21) 2024203011

(71) Schneider Electric USA, Inc  
 (11) AU-A-2023274156  
 (21) 2023274156 (22) 30.11.2023  
 (54) System And Method For Calibrating A Non-Contact Energy Metering Assembly  
 (51) Int. Cl.  
 G01R 21/14 ( 2006.01 )  
 G01R 22/00 ( 2006.01 )  
 (31) 63/476,728 (32) 22.12.22 (33) US  
 18/170,267 16.02.23 US  
 (43) 11.07.2024  
 (72) Colin N GUNN; Stewart John HARDING; Benedikt Theodor HUBER  
 (74) WRAYS PTY LTD

(71) Schneider Electric USA, Inc.  
 (11) AU-A-2023285837  
 (21) 2023285837 (22) 21.12.2023  
 (54) AUTOMATED CYPHER CONFIGURATION OF INDUSTRIAL DEVICES  
 (51) Int. Cl.  
 G06F 21/72 ( 2013.01 )  
 G06F 8/71 ( 2018.01 )  
 H04L 9/14 ( 2006.01 )  
 (31) 18/089,278 (32) 27.12.22 (33) US  
 (43) 11.07.2024  
 (72) Han, Qing Sheng  
 (74) Madderns Pty Ltd

(71) Scholar Rock, Inc.  
 (11) AU-A-2024204159  
 (21) 2024204159 (22) 19.06.2024  
 (54) Anti-pro/latent myostatin antibodies and methods of use thereof  
 (51) Int. Cl.  
 C07K 16/22 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2017206069  
 (72) DONOVAN, Adriana; STRAUB, Michelle; WAWERSIK, Stefan  
 (74) FB Rice Pty Ltd

(71) School of Rock, LLC  
 (11) AU-A-2024203732  
 (21) 2024203732 (22) 03.06.2024  
 (54) METHOD AND APPARATUS OF MUSIC EDUCATION  
 (51) Int. Cl.  
 G09B 5/02 ( 2006.01 )  
 G06Q 10/06 ( 2023.01 )  
 G09B 15/00 ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022202364  
 (72) Dresser, Sam; Sitnick, Leonard A.; Price, Robert Lowell  
 (74) Michael Buck IP

(71) SENSEE, INC.  
 (11) AU-A-2023258396  
 (21) 2023258396 (22) 24.02.2023  
 (54) TEACHING TOOL ENABLING INTEGRATED PERCEPTION EDUCATION FOR VISUAL AND TACTILE SENSATIONS  
 (51) Int. Cl.  
 G09B 21/00 ( 2006.01 )  
 G09B 1/10 ( 2006.01 )  
 (31) 10-2022-0185269 (32) 27.12.22 (33) KR  
 (43) 11.07.2024  
 (72) CHO, Ji Yun  
 (74) LAMINAR IP PTY LTD

(71) Sharp Kabushiki Kaisha  
 (11) AU-A-2023201213  
 (21) 2023201213 (22) 28.02.2023  
 (54) User equipment and method  
 (51) Int. Cl.  
 H04W 24/10 ( 2009.01 )  
 H04B 7/185 ( 2006.01 )  
 H04W 56/00 ( 2009.01 )  
 (31) 2022-209620 (32) 27.12.22 (33) JP  
 (43) 11.07.2024  
 (72) OUCHI, Wataru; LIU, Liqing; SAKAMOTO, Ryunosuke; NAKASHIMA, Daiichiro; SUZUKI, Shoichi  
 (74) Davies Collison Cave Pty Ltd

(71) Sharp Kabushiki Kaisha  
 (11) AU-A-2023201263  
 (21) 2023201263 (22) 01.03.2023  
 (54) Terminal apparatus and communication method  
 (51) Int. Cl.  
 H04B 7/185 ( 2006.01 )



Applications Open to Public Inspection - Name Index cont'd

*H04B 7/19* ( 2006.01 )  
*H04B 7/195* ( 2006.01 )  
*H04W 8/08* ( 2009.01 )  
*H04W 48/00* ( 2009.01 )  
*H04W 48/16* ( 2009.01 )  
*H04W 76/25* ( 2018.01 )  
**(31)** 2022-205289      **(32)** 22.12.22 **(33)** JP  
**(43)** 11.07.2024  
**(72)** NAKASHIMA, Daiichiro; OUCHI,  
Wataru; LIU, Liqing; SUZUKI, Shoichi;  
SAKAMOTO, Ryunosuke  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sharp Kabushiki Kaisha  
**(11)** AU-A-2023201393  
**(21)** 2023201393      **(22)** 07.03.2023  
**(54)** Terminal apparatus, base station appar-  
atus, method, and integrated circuit  
**(51)** Int. Cl.  
*H04W 40/12* ( 2009.01 )  
*H04W 40/22* ( 2009.01 )  
*H04W 88/02* ( 2009.01 )  
**(31)** 2022-209778      **(32)** 27.12.22 **(33)** JP  
**(43)** 11.07.2024  
**(72)** Miyake, Taichi; Yamada, Shohei;  
Tsuboi, Hidekazu; Kawano, Takuma;  
Inoue, Kyosuke  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Shenzhen Shuye Technology Co., Ltd.  
**(11)** AU-A-2023204109  
**(21)** 2023204109      **(22)** 28.06.2023  
**(54)** RECIPROCATING MAGNETIC LEVIT-  
ATION LINEAR MOTOR AND ELEC-  
TRIC SHEAR DEVICE  
**(51)** Int. Cl.  
*H02K 41/02* ( 2006.01 )  
*H02K 1/27* ( 2022.01 )  
*H02K 7/09* ( 2006.01 )  
**(31)** 202211676481.9      **(32)** 26.12.22 **(33)** CN  
**(43)** 11.07.2024  
**(72)** Ye, Hongxin  
**(74)** Remarkable IP

**(71)** Shenzhen Shuye Technology Co., Ltd.  
**(11)** AU-A-2023204110  
**(21)** 2023204110      **(22)** 28.06.2023  
**(54)** ELECTRIC SHAVER  
**(51)** Int. Cl.  
*B26B 19/10* ( 2006.01 )  
*B26B 19/32* ( 2006.01 )  
*B26B 19/38* ( 2006.01 )  
*H02K 5/00* ( 2006.01 )  
**(31)** 202211676472.X      **(32)** 26.12.22 **(33)** CN  
**(43)** 11.07.2024  
**(72)** Ye, Hongxin  
**(74)** Remarkable IP

**(71)** Shenzhen Ulike Smart Electronics Co.  
Ltd  
**(11)** AU-A-2024204184  
**(21)** 2024204184      **(22)** 19.06.2024  
**(54)** Portable Hair Removal Device  
**(51)** Int. Cl.  
*A61B 18/18* ( 2006.01 )  
*A61N 5/06* ( 2006.01 )

**(43)** 11.07.2024  
**(62)** 2020427144  
**(72)** PAN, Yuping; LI, Xiang  
**(74)** A.P.T. Patent and Trade Mark Attor-  
neys

**(71)** SHINE Technologies, LLC  
**(11)** AU-A-2024204247  
**(21)** 2024204247      **(22)** 21.06.2024  
**(54)** High power ion beam generator sys-  
tems and methods  
**(51)** Int. Cl.  
*H05H 3/06* ( 2006.01 )  
*H05H 7/22* ( 2006.01 )  
*H05H 9/02* ( 2006.01 )

**(43)** 11.07.2024  
**(62)** 2022218508  
**(72)** KOBERNIK, Arne; SHERVEN, Carl;  
LAMERS, Casey; SEYFERT, Chris;  
SENGBUSCH, Evan; BECERRA, Gab-  
riel; LEE, Jin; CAMPBELL, Logan;  
THOMAS, Mark; TAYLOR, Michael;  
BARROWS, Preston; RADEL, Ross;  
GRIBB, Tye  
**(74)** Spruson & Ferguson

**(71)** ShinMaywa Industries, Ltd.  
**(11)** AU-A-2023285846  
**(21)** 2023285846      **(22)** 21.12.2023  
**(54)** Dump truck  
**(51)** Int. Cl.  
*B60P 1/273* ( 2006.01 )  
*E05D 15/52* ( 2006.01 )  
**(31)** 2022-210116      **(32)** 27.12.22 **(33)** JP  
**(43)** 11.07.2024  
**(72)** SAKAMOTO, Kei  
**(74)** Davies Collison Cave Pty Ltd

**(71)** SHOEALLS CO., LTD.  
**(11)** AU-A-2023222873  
**(21)** 2023222873      **(22)** 30.08.2023  
**(54)** HEALTH-PROMOTING FUNCTIONAL  
SHOE HAVING FUNCTION OF STIMU-  
LATING SOLAR PLEXUS POINT  
**(51)** Int. Cl.  
*A43B 7/1455* ( 2022.01 )  
*A43B 3/34* ( 2022.01 )  
**(31)** 10-2022-0184120      **(32)** 26.12.22 **(33)** KR  
**(43)** 11.07.2024  
**(72)** LEE, Cheong Geun  
**(74)** Jones Tulloch

**(71)** SITA Information Networking Comput-  
ing USA, Inc.  
**(11)** AU-A-2024204349  
**(21)** 2024204349      **(22)** 25.06.2024  
**(54)** SYSTEM AND APPARATUS FOR RE-  
SOURCE MANAGEMENT  
**(51)** Int. Cl.  
*G05D 1/00* ( 2006.01 )  
*G06Q 10/08* ( 2023.01 )  
**(43)** 11.07.2024  
**(62)** 2018270300  
**(72)** O'Sullivan, Kevin; Cheikh, Stephane;  
Barandun, Rico Andreas; Malinofsky,  
Andrew Eric  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-A-2023278059  
**(21)** 2023278059      **(22)** 07.12.2023  
**(54)** Wireless charging and powering of  
tools  
**(51)** Int. Cl.  
*H02J 50/40* ( 2016.01 )  
*H02J 50/10* ( 2016.01 )  
*H02J 50/20* ( 2016.01 )  
**(31)** 18/086,535      **(32)** 21.12.22 **(33)** US  
**(43)** 11.07.2024  
**(72)** Kuter-Arnebeck, Ottoleo; Gabbey, Nich-  
olas; Andersen, Jonathan I.  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-A-2024204306  
**(21)** 2024204306      **(22)** 24.06.2024  
**(54)** Pivoting swivel illumination device  
**(51)** Int. Cl.  
*F21V 19/02* ( 2006.01 )  
*F21V 21/26* ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022271468  
**(72)** BASHLEBEN, Craig  
**(74)** Griffith Hack

**(71)** STEWART, H.  
**(11)** AU-A-2023285897  
**(21)** 2023285897      **(22)** 21.12.2023  
**(54)** IMPROVED WHEELIE BIN  
**(51)** Int. Cl.  
*B65F 1/14* ( 2006.01 )  
*B65F 1/16* ( 2006.01 )  
**(31)** 2022903980      **(32)** 22.12.22 **(33)** AU  
**(43)** 11.07.2024  
**(72)** STEWART, Hugh  
**(74)** Baxter Patent Attorneys Pty Ltd

**(71)** Stormwater360 Group Limited  
**(11)** AU-A-2024204347  
**(21)** 2024204347      **(22)** 25.06.2024  
**(54)** A STORM WATER DRAIN SYSTEM  
AND COMPONENTS THEREOF AND  
METHODS OF USE  
**(51)** Int. Cl.  
*E03F 5/14* ( 2006.01 )  
*B01D 21/00* ( 2006.01 )  
*B01D 21/02* ( 2006.01 )  
*B01D 35/00* ( 2006.01 )  
*E03F 5/10* ( 2006.01 )  
*E03F 5/16* ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2018372528

**(72)** YEOMAN, Gregory Paul; HANNAH, Mi-  
chael Morton  
**(74)** ET Intellectual Property

**(71)** Stryker Corporation  
**(11)** AU-A-2024204257  
**(21)** 2024204257      **(22)** 21.06.2024  
**(54)** Surgical instrument with telescoping  
nose mechanism  
**(51)** Int. Cl.  
*A61B 17/00* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**A61B 17/16** ( 2006.01 )  
**A61B 17/32** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**(43)** 11.07.2024  
**(62)** 2022200551  
**(72)** Bozung, Timothy J.  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.  
**(11)** AU-A-2022423925  
**(21)** 2022423925 **(22)** 23.12.2022  
**(54)** METAL SHEET, BATTERY, NICKEL-ZINC BATTERY AND METHOD FOR MANUFACTURING METAL SHEET  
**(51)** Int. Cl.  
**H01M 4/74** ( 2006.01 )  
**(43)** 11.07.2024  
**(72)** TAKEYAMA Tomoharu; OKUNO Kazuki; MAJIMA Masatoshi; TSUCHIDA Hitoshi  
**(74)** Spruson & Ferguson

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**(71)** SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.  
**(11)** AU-A-2022436044  
**(21)** 2022436044 **(22)** 23.12.2022  
**(54)** METAL SHEET, BATTERY, NICKEL-ZINC BATTERY AND METHOD FOR MANUFACTURING METAL SHEET  
**(51)** Int. Cl.  
**H01M 10/30** ( 2006.01 )  
**(43)** 11.07.2024  
**(72)** TAKEYAMA Tomoharu; OKUNO Kazuki; MAJIMA Masatoshi; TSUCHIDA Hitoshi  
**(74)** Spruson & Ferguson

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**SUMITOMO ELECTRIC TOYAMA CO., LTD.**  
**see SUMITOMO ELECTRIC INDUSTRIES, LTD.**  
**(21)** 2022423925

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**SUMITOMO ELECTRIC TOYAMA CO., LTD.**  
**see SUMITOMO ELECTRIC INDUSTRIES, LTD.**  
**(21)** 2022436044

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**(71)** Sunovion Pharmaceuticals Inc.; PGI Drug Discovery LLC.  
**(11)** AU-A-2024204310  
**(21)** 2024204310 **(22)** 24.06.2024  
**(54)** FUSED DIHYDRO-4H-PYRAZOLO[5,1-C][1,4]OXAZINYL COMPOUNDS AND ANALOGS FOR TREATING CNS DISORDERS  
**(51)** Int. Cl.  
**C07D 498/04** ( 2006.01 )  
**A61K 31/5365** ( 2006.01 )  
**A61K 31/537** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 498/20** ( 2006.01 )

**(43)** 11.07.2024  
**(62)** 2022259828  
**(72)** Chytil, Milan; Engel, Sharon; Hanania, Taleen G.; Alexandrov, Vadim; Leahy, Emer  
**(74)** HENRY HUGHES IP LTD

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**(71)** SUTHERLAND, R.  
**(11)** AU-A-2023285077  
**(21)** 2023285077 **(22)** 18.12.2023  
**(54)** IMPROVEMENTS IN STONE CRUSHING EQUIPMENT  
**(51)** Int. Cl.  
**B02C 2/00** ( 2006.01 )  
**B02C 2/04** ( 2006.01 )  
**B02C 13/18** ( 2006.01 )  
**B02C 13/282** ( 2006.01 )  
**(31)** 795915 **(32)** 21.12.22 **(33)** NZ  
**(43)** 11.07.2024  
**(72)** SUTHERLAND, Richard  
**(74)** P.L. Berry & Associates Ltd

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**(71)** SyntheX, Inc.  
**(11)** AU-A-2024204362  
**(21)** 2024204362 **(22)** 26.06.2024  
**(54)** Protein interfaces  
**(51)** Int. Cl.  
**C07K 14/435** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 38/02** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2022259709  
**(72)** Chahwan, Charly; Soloveyichik, Maria  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(71)** TALBOT, A.  
**(11)** AU-A-2023285692  
**(21)** 2023285692 **(22)** 18.12.2023  
**(54)** Apparatus, System and Method of On-Site Dry Wall Fabrication  
**(51)** Int. Cl.  
**E04B 2/74** ( 2006.01 )  
**E04F 21/18** ( 2006.01 )  
**E04B 2/72** ( 2006.01 )  
**E04B 2/78** ( 2006.01 )  
**(31)** 2022903978 **(32)** 22.12.22 **(33)** AU  
**(43)** 11.07.2024  
**(72)** TALBOT, Ashley  
**(74)** Fraser Old & Sohn

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**(71)** TARIS Biomedical LLC  
**(11)** AU-A-2024204252  
**(21)** 2024204252 **(22)** 21.06.2024  
**(54)** Multi-unit drug delivery devices and methods  
**(51)** Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**(43)** 11.07.2024  
**(62)** 2021282405  
**(72)** LEE, Heejin; DANIEL, Karen; SANSONE, Matthew  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2024204317  
**(21)** 2024204317 **(22)** 24.06.2024  
**(54)** An autonomous lawn mower and a system for navigating thereof  
**(51)** Int. Cl.  
**G05D 1/43** ( 2024.01 )  
**G05D 1/40** ( 2024.01 )  
**(43)** 11.07.2024  
**(62)** 2018438158  
**(72)** VINES, Brian; ZHANG, Xing; MONTGOMERY, Benjamin Edgar; HASSAN, Syed Kashif  
**(74)** WRAYS PTY LTD

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**(71)** Telefonaktiebolaget LM Ericsson (publ)  
**(11)** AU-A-2024204326  
**(21)** 2024204326 **(22)** 25.06.2024  
**(54)** COSHARING RADIO FREQUENCY WITH HETEROGENEOUS NETWORKS  
**(51)** Int. Cl.  
**H04W 28/16** ( 2009.01 )  
**H04W 16/06** ( 2009.01 )  
**H04W 16/14** ( 2009.01 )  
**H04W 24/02** ( 2009.01 )  
**H04W 72/12** ( 2023.01 )  
**(43)** 11.07.2024  
**(62)** 2021276654  
**(72)** AKHTAR, Haseeb; LIND, Patric; KAZI, Sobaan  
**(74)** AJ PARK

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**Temple University-of The Commonwealth System of Higher Education see Praeventix, LLC**  
**(21)** 2024204240

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**The Broad Institute, Inc. see The General Hospital Corporation**  
**(21)** 2024204248

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**(71)** The Council of The Queensland Institute of Medical Research  
**(11)** AU-A-2024204269  
**(21)** 2024204269 **(22)** 21.06.2024  
**(54)** HPV Immunotherapy  
**(51)** Int. Cl.  
**C07K 14/025** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 16/08** ( 2006.01 )  
**C12N 5/078** ( 2010.01 )  
**C12N 5/0783** ( 2010.01 )  
**(43)** 11.07.2024  
**(62)** 2019213286  
**(72)** KHANNA, Rajiv  
**(74)** James & Wells Intellectual Property

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**(71)** The General Hospital Corporation; The Broad Institute, Inc.; Dana-Farber Cancer Institute, Inc.  
**(11)** AU-A-2024204248  
**(21)** 2024204248 **(22)** 21.06.2024

Applications Open to Public Inspection - Name Index cont'd

(54) COMBINATION THERAPY WITH NEOANTIGEN VACCINE  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2020230277  
 (72) Hacohen, Nir; Wu, Catherine J.; Fritsch, Edward F.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) The Liv Group Inc.  
 (11) AU-A-2024204277  
 (21) 2024204277 (22) 21.06.2024  
 (54) Composition for enhanced absorption of supplements  
 (51) Int. Cl.  
**A23L 33/10** ( 2016.01 )  
**A61K 31/4045** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
 (43) 11.07.2024  
 (62) 2018265880  
 (72) Cohen, Brandin Besore; Fulstone, Hayden Andrew  
 (74) Griffith Hack

(71) The Regents of the University of Colorado, a Body Corporate  
 (11) AU-A-2024204307  
 (21) 2024204307 (22) 24.06.2024  
 (54) M<sub>Ap</sub>44 polypeptides and constructs based on natural antibodies and uses thereof  
 (51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2021200908  
 (72) HOLERS, V. Michael; BANDA, Nirmal; KULIK, Liudmila  
 (74) Spruson & Ferguson

(71) TMA Capital Australia Pty Ltd  
 (11) AU-A-2024204319  
 (21) 2024204319 (22) 24.06.2024  
 (54) System, method and computer program for a monitoring system  
 (51) Int. Cl.  
**G01S 13/74** ( 2006.01 )  
**G01S 19/00** ( 2010.01 )  
**G08G 1/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022201600  
 (72) KARAM, Anthony; LALETIN, Gregori Alexandravich; WALSH, Kevin John; BLAZKIEWICZ, Paul; Anthony, Karam; Gregori, Alexandravich; Kevin, John; Paul, Blazkiewicz  
 (74) Spruson & Ferguson

(71) TONGWEI SOLAR (MEISHAN) CO., LTD.  
 (11) AU-A-2023379421  
 (21) 2023379421 (22) 28.11.2023

(54) SOLAR CELL AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**H01L 31/18** ( 2006.01 )  
**H01L 29/12** ( 2006.01 )  
 (31) 202211658513.2 (32) 22.12.22 (33) CN  
 (43) 11.07.2024  
 (72) XU, Wenzhou; XING, Guoqiang  
 (74) James & Wells Intellectual Property

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.  
 (11) AU-A-2023282238  
 (21) 2023282238 (22) 13.12.2023  
 (54) Management system and traveling state control system  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G08G 1/0968** ( 2006.01 )  
 (31) 2022-209437 (32) 27.12.22 (33) JP  
 (43) 11.07.2024  
 (72) NOZAWA, Yusuke; MIZOO, Shun; TAKASHIMA, Toru; OKANO, Takahiro; HIRANAKA, Takashi; OSAGAWA, Kenta; KONISHI, Shota  
 (74) Spruson & Ferguson

**True Essence Foods Inc. see Halstead, J.**  
 (21) 2024204298

(71) TuSimple, Inc.  
 (11) AU-A-2024204267  
 (21) 2024204267 (22) 21.06.2024  
 (54) Monitoring system for autonomous vehicle operation  
 (51) Int. Cl.  
**G07C 5/00** ( 2006.01 )  
**B60W 40/00** ( 2006.01 )  
**B60W 40/02** ( 2006.01 )  
**B60W 40/06** ( 2012.01 )  
**B60W 50/02** ( 2012.01 )  
**G05B 23/02** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2019206628  
 (72) SUN, Lindong; LIU, Liu; HAN, Xiaoling; WANG, Yi; ZHANG, Ruiliang  
 (74) FB Rice Pty Ltd

(71) Universitätsspital Basel  
 (11) AU-A-2024204336  
 (21) 2024204336 (22) 25.06.2024  
 (54) MDMA response prediction  
 (51) Int. Cl.  
**A61K 31/37** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/26** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2021292943  
 (72) LIECHTI, Matthias Emanuel; VIZELI, Patrick Raphael  
 (74) FPA Patent Attorneys Pty Ltd

(71) Uridan Waterless Solutions GmbH  
 (11) AU-A-2024204266  
 (21) 2024204266 (22) 21.06.2024

(54) Odour trap element for installation in a drain, in particular in the drain of a waterless urinal  
 (51) Int. Cl.  
**E03D 11/18** ( 2006.01 )  
**E03C 1/29** ( 2006.01 )  
**E03D 13/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2018293709  
 (72) SCHACHINGER, Magdalena  
 (74) WRAYS PTY LTD

(71) Valunor AG  
 (11) AU-A-2024204197  
 (21) 2024204197 (22) 19.06.2024  
 (54) Expandable silica particle  
 (51) Int. Cl.  
**C01B 33/12** ( 2006.01 )  
**C03B 19/10** ( 2006.01 )  
**C03C 1/02** ( 2006.01 )  
**C03C 11/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2021271289  
 (72) SOLVANG, Finn Erik; BLANK, Norman  
 (74) FPA Patent Attorneys Pty Ltd

(71) Veratin Pty Ltd  
 (11) AU-A-2024204220  
 (21) 2024204220 (22) 20.06.2024  
 (54) FERTILISER AND/OR SOIL IMPROVER COMPOSITION, METHOD OF PREPARATION AND METHOD OF USE  
 (51) Int. Cl.  
**C05F 1/00** ( 2006.01 )  
 (43) 11.07.2024  
 (62) 2022203276  
 (72) BOULOS, Ramiz; SIMPSON, Peter  
 (74) WRAYS PTY LTD

(71) Wake Forest University Health Sciences  
 (11) AU-A-2024204173  
 (21) 2024204173 (22) 19.06.2024  
 (54) Compositions, cell constructs, and methods of making and using the same  
 (51) Int. Cl.  
**C12N 5/22** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
 (43) 11.07.2024  
 (62) 2017342467  
 (72) SKARDAL, Aleksander; SIVAKUMAR, Hemamylammal Salem Muthu Sugavanam  
 (74) FPA Patent Attorneys Pty Ltd

**Weibye, M. see Halstead, J.**  
 (21) 2024204298

(71) Wemade Co., Ltd.  
 (11) AU-A-2024204089  
 (21) 2024204089 (22) 14.06.2024  
 (54) METHOD FOR PROVIDING STABLE-COIN SERVICES OVER THE BLOCKCHAIN NETWORK AND BLOCKCHAIN SYSTEM USING THE SAME

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(51) Int. Cl.  
**G06Q 20/38** ( 2012.01 )  
**G06Q 40/04** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )  
(43) 11.07.2024  
(62) 2023202544  
(72) SONG, MOHEON  
(74) Kings Patent & Trade Marks Attorneys Pty Ltd

(71) Wilson Wolf Manufacturing, LLC  
(11) AU-A-2024204373  
(21) 2024204373 (22) 26.06.2024  
(54) Improved methods of genetically modifying animal cells  
(51) Int. Cl.  
**C12N 5/02** ( 2006.01 )  
**C12N 5/07** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
(43) 11.07.2024  
(62) 2020294286  
(72) WILSON, John R.  
(74) Griffith Hack

(71) Wonderland Switzerland AG  
(11) AU-A-2024204209  
(21) 2024204209 (22) 20.06.2024  
(54) FOLDABLE CHILD CARRIER  
(51) Int. Cl.  
**A47D 9/00** ( 2006.01 )  
**A47D 13/02** ( 2006.01 )  
(43) 11.07.2024  
(62) 2020405779  
(72) YUAN, Jialiang  
(74) Griffith Hack

(71) Wonderland Switzerland AG  
(11) AU-A-2024204250  
(21) 2024204250 (22) 21.06.2024  
(54) ANTI-SHIMMY DEVICE ADAPTED FOR A WHEEL OF A CHILD CARRIER  
(51) Int. Cl.  
**B60B 33/04** ( 2006.01 )  
**B60B 33/02** ( 2006.01 )  
(43) 11.07.2024  
(62) 2020405945  
(72) WU, HaiTao; ZHU, Wanquan; ZHENG, Leilei; WANG, Er-Xue; ZENG, Hai-Bo  
(74) Griffith Hack

(71) Xencor, Inc.  
(11) AU-A-2024204284  
(21) 2024204284 (22) 21.06.2024  
(54) HETERODIMERIC PROTEINS  
(51) Int. Cl.  
**C07K 16/06** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
(43) 11.07.2024  
(62) 2020294326  
(72) MOORE, Gregory; DESJARLAIS, John; RASHID, Rumana; BERNETT, Matthew J.  
(74) MINTER ELLISON

(71) YETI Coolers, LLC  
(11) AU-A-2024204368  
(21) 2024204368 (22) 26.06.2024  
(54) Backpack  
(51) Int. Cl.  
**A45C 13/10** ( 2006.01 )  
**A45F 3/04** ( 2006.01 )  
(43) 11.07.2024  
(62) 2018399588  
(72) ROGERS, Kyle Edward; MUNIE, Jeffrey Charles  
(74) GLMR

**Yissum Research Development Company of the Hebrew University of Jerusalem Ltd. see Future Meat Technologies Ltd.**  
(21) 2024204088

**Yunnan Wenshan Aluminum Co., Ltd. see Kunming University of Science and Technology**  
(21) 2023285713

(71) Zhang, W.  
(11) AU-A-2023285922  
(21) 2023285922 (22) 21.12.2023  
(54) ANTI SKIN AGING COMPOSITIONS  
(51) Int. Cl.  
**A61K 36/03** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A61K 8/73** ( 2006.01 )  
**A61K 31/357** ( 2006.01 )  
**C12P 19/04** ( 2006.01 )  
(31) 2022903985 (32) 22.12.22 (33) AU  
(43) 11.07.2024  
(72) Zhang, Wei; Charoensiddhi, Suvimol  
(74) Madderns Pty Ltd

(71) ZHANG, R.  
(11) AU-A-2023285880  
(21) 2023285880 (22) 21.12.2023  
(54) SUBFRAME EXTRUSION AND ASSEMBLY  
(51) Int. Cl.  
**E06B 1/16** ( 2006.01 )  
**E06B 1/18** ( 2006.01 )  
**E06B 1/60** ( 2006.01 )  
(31) 795972 (32) 22.12.22 (33) NZ  
(43) 11.07.2024  
(72) ZHANG, Rentian  
(74) AJ PARK

(71) ZHANG, Y.  
(11) AU-A-2023316917  
(21) 2023316917 (22) 26.10.2023  
(54) SHOWERTECHNICAL FIELD  
(51) Int. Cl.  
**A47K 5/16** ( 2006.01 )  
**B05B 15/00** ( 2018.01 )  
**E03C 1/046** ( 2006.01 )  
(31) 202223528437.1 (32) 27.12.22 (33) CN  
(43) 11.07.2024  
(72) ZHANG, Yupeng  
(74) Collison & Co

(71) Zimmer, Inc.  
(11) AU-A-2023285866  
(21) 2023285866 (22) 21.12.2023  
(54) CONSTRAINED PROSTHETIC KNEE  
(51) Int. Cl.  
**A61F 2/64** ( 2006.01 )  
(31) 63/434,590 (32) 22.12.22 (33) US  
18/526,737 01.12.23 US  
(43) 11.07.2024  
(72) Yoko, Tim; Byrd, Brian D.  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zimmer, Inc.  
(11) AU-A-2023285867  
(21) 2023285867 (22) 21.12.2023  
(54) ANTI-LUXATION VIA VARIOUS TECHNIQUES AND APPARATUSES  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
(31) 63/434,584 (32) 22.12.22 (33) US  
(43) 11.07.2024  
(72) Yoko, Tim; Barker, Joshua; Reidy, John; Vandiepenbos, Jeffery A.; Blaylock, Jeff; Meadows, David; Byrd, Brian D.  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zimmer, Inc.  
(11) AU-A-2023285871  
(21) 2023285871 (22) 21.12.2023  
(54) TIBIAL COMPONENT FOR A CONSTRAINED PROSTHETIC KNEE  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
(31) 63/434,573 (32) 22.12.22 (33) US  
(43) 11.07.2024  
(72) Yoko, Tim; Barker, Joshua  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zimmer, Inc.  
(11) AU-A-2023285872  
(21) 2023285872 (22) 21.12.2023  
(54) CONSTRAINED PROSTHETIC KNEE  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
(31) 63/434,563 (32) 22.12.22 (33) US  
18/526,693 01.12.23 US  
(43) 11.07.2024  
(72) Yoko, Tim; Barker, Joshua; Dykema, Scott; Vernon, Douglas Murray; Byrd, Brian D.; Reidy, John  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Zimmer, Inc.  
(11) AU-A-2023285873  
(21) 2023285873 (22) 21.12.2023  
(54) ANTI-LUXATION DEVICES FOR A CONSTRAINED PROSTHETIC KNEE  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
(31) 63/434,580 (32) 22.12.22 (33) US  
63/450,879 08.03.23 US  
(43) 11.07.2024  
(72) Yoko, Tim; Vandiepenbos, Jeffery A.; Byrd, Brian D.; Barker, Joshua; Meadows, David; Blaylock, Jeff; Reidy, John  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) Zimmer, Inc.  
(11) AU-A-2023285874  
(21) 2023285874 (22) 21.12.2023  
(54) ANTI-LUXATION DEVICES FOR A  
CONSTRAINED PROSTHETIC KNEE  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
(31) 63/434,574 (32) 22.12.22 (33) US  
63/450,878 08.03.23 US  
(43) 11.07.2024  
(72) Yoko, Tim; Vandiepenbos, Jeffery A.;  
Byrd, Brian D.; Barker, Joshua; Blay-  
lock, Jeff; Reidy, John  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) Zimmer, Inc.  
(11) AU-A-2023285887  
(21) 2023285887 (22) 21.12.2023  
(54) SEGMENTED KEEL FOR PROSTHET-  
IC IMPLANT HAVING A STEM  
(51) Int. Cl.  
**A61F 2/38** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**B23H 9/00** ( 2006.01 )  
(31) 63/434,566 (32) 22.12.22 (33) US  
18/526,955 01.12.23 US  
(43) 11.07.2024  
(72) Yoko, Tim; Barker, Joshua  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) ZTE Corporation  
(11) AU-A-2024204204  
(21) 2024204204 (22) 20.06.2024  
(54) Network handover method and apparat-  
us, device, and storage medium  
(51) Int. Cl.  
**H04W 36/00** ( 2009.01 )  
(43) 11.07.2024  
(62) 2021265948  
(72) LIU, Hongjun; MA, Wei; LI, Dongmei;  
WEN, Wu; ZHANG, Boshan  
(74) GLMR

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| <b>2022423925</b> | SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.          | <b>2023285857</b> | Nunhems B.V.   |
| <b>2022436044</b> | SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.          | <b>2023285860</b> | Calabrio, Inc.   |
| <b>2022477087</b> | ORR, T.E.; ANDERSON, R.   | <b>2023285861</b> | Manitou Italia S.r.l.  |
| <b>2023201213</b> | Sharp Kabushiki Kaisha  | <b>2023285862</b> | Manitou Italia S.r.l.  |
| <b>2023201263</b> | Sharp Kabushiki Kaisha  | <b>2023285863</b> | Nunhems B.V.   |
| <b>2023201393</b> | Sharp Kabushiki Kaisha  | <b>2023285866</b> | Zimmer, Inc.   |
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| <b>2023204110</b> | Shenzhen Shuye Technology Co., Ltd.   | <b>2023285880</b> | ZHANG, R.  |
| <b>2023206236</b> | AUSTIN HARDWARE & SUPPLY, INC.  | <b>2023285887</b> | Zimmer, Inc.   |
| <b>2023208069</b> | COCREATION GRASS CO., LTD   | <b>2023285897</b> | STEWART, H.  |
| <b>2023219942</b> | HANWHA CORPORATION  | <b>2023285901</b> | AppViewX Inc.  |
| <b>2023222873</b> | SHOEALLS CO., LTD.  | <b>2023285902</b> | Calabrio, Inc.   |
| <b>2023233201</b> | LM Connections Pty Ltd  | <b>2023285904</b> | AppViewX Inc.  |
| <b>2023251496</b> | Itron, Inc.   | <b>2023285911</b> | Manitou Italia S.r.l.  |
| <b>2023254975</b> | Hoselink Pty Ltd  | <b>2023285922</b> | Zhang, W.  |
| <b>2023258360</b> | NINGBO LIYANG NEW MATERIAL COMPANY LIMITED                                      | <b>2023285936</b> | Ryan Francis Limited   |
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| <b>2023263522</b> | Nanjing Chervon Industry Co., Ltd.  | <b>2023285960</b> | MAX CO., LTD.  |
| <b>2023266319</b> | Research Institute of Chemical Defense, PLA Academy of Military Sciences        | <b>2023285962</b> | MAX CO., LTD.  |
| <b>2023266340</b> | Dacey, C.   | <b>2023285963</b> | MAX CO., LTD.  |
| <b>2023270221</b> | Hoselink Pty Ltd  | <b>2023285964</b> | MAX CO., LTD.  |
| <b>2023270312</b> | PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.                            | <b>2023285965</b> | MAX CO., LTD.  |
| <b>2023274067</b> | Diehl Energy Products GmbH; Diehl Defence GmbH & Co. KG                         | <b>2023285968</b> | MAX CO., LTD.  |
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| <b>2023274156</b> | Schneider Electric USA, Inc   | <b>2023285990</b> | Inter Earth Pty Ltd  |
| <b>2023274210</b> | Itron, Inc.   | <b>2023285996</b> | Calabrio, Inc.   |
| <b>2023274223</b> | Kegland Holdings Pty Ltd  | <b>2023286004</b> | A.C.N. 169 569 537 PTY LTD   |
| <b>2023274226</b> | Hiab AB   | <b>2023316917</b> | ZHANG, Y.  |
| <b>2023274228</b> | Hiab AB   | <b>2023375281</b> | MERISTEM CROP PERFORMANCE GROUP, LLC   |
| <b>2023274235</b> | Combilift   | <b>2023379421</b> | TONGWEI SOLAR (MEISHAN) CO., LTD.  |
| <b>2023278030</b> | Hiab AB   | <b>2023387751</b> | GUANGDONG JUCCO MEDICAL EQUIPMENT CO., LTD.  |
| <b>2023278059</b> | Snap-on Incorporated  | <b>2023387752</b> | INNER MONGOLIA UNIVERSITY OF TECHNOLOGY  |
| <b>2023278092</b> | Rosemount Aerospace Inc.  | <b>2024202616</b> | Eli Lilly and Company  |
| <b>2023278093</b> | OMNISSENS S.A.  | <b>2024203011</b> | Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology  |
| <b>2023278109</b> | Manitou Italia S.r.l.   | <b>2024203372</b> | 2seventy bio, Inc.   |
| <b>2023282228</b> | Harm Reduction Supplies Corporation   | <b>2024203377</b> | Fred Hutchinson Cancer Center  |
| <b>2023282235</b> | Itron, Inc.   | <b>2024203593</b> | Moleculin Biotech, Inc.; Board of Regents, The University of Texas System                                      |
| <b>2023282238</b> | Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.                                   | <b>2024203694</b> | Massachusetts Institute of Technology  |
| <b>2023282242</b> | KINGSMEAD HOLDINGS (SW) LIMITED   | <b>2024203732</b> | School of Rock, LLC  |
| <b>2023282259</b> | CASIO COMPUTER CO., LTD.  | <b>2024203920</b> | Genzyme Corporation  |
| <b>2023282262</b> | CASIO COMPUTER CO., LTD.  | <b>2024203964</b> | Rite-Hite Holding Corporation  |
| <b>2023282306</b> | Air Products and Chemicals, Inc.  | <b>2024203999</b> | Prometheus Therapeutics Inc.   |
| <b>2023282308</b> | Air Products and Chemicals, Inc.  | <b>2024204038</b> | Angel Group Co., Ltd.  |
| <b>2023282310</b> | HOWMEDICA OSTEONICS CORP.   | <b>2024204039</b> | Angel Group Co., Ltd.  |
| <b>2023285077</b> | SUTHERLAND, R.  | <b>2024204047</b> | 4WEB, INC.   |
| <b>2023285692</b> | TALBOT, A.  | <b>2024204058</b> | Cripps Clark, J.; Cripps Clark, J.   |
| <b>2023285704</b> | Mahindra and Mahindra Limited   | <b>2024204088</b> | Future Meat Technologies Ltd.; Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.  |
| <b>2023285713</b> | Kunming University of Science and Technology; Yunnan Wenshan Aluminum Co., Ltd. | <b>2024204089</b> | Wemade Co., Ltd.   |
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| <b>2023285835</b> | conneXXion Nederland N.V.   | <b>2024204161</b> | Poly Gain Pte Ltd  |
| <b>2023285837</b> | Schneider Electric USA, Inc.  | <b>2024204162</b> | Prologium Holding Inc.; Prologium Technology Co., Ltd.   |
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| 2024204174 | Raven Industries, Inc.  | 2024204276 | Hanna, M.H.; Hanna, D.M.   |
| 2024204175 | Regeneron Pharmaceuticals, Inc.   | 2024204277 | The Liv Group Inc.   |
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| 2024204177 | IGT   | 2024204281 | Cardionomic, Inc.  |
| 2024204178 | IGT   | 2024204283 | Incyte Holdings Corporation  |
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| 2024204180 | Commonwealth Scientific and Industrial Research Organisation                                    | 2024204285 | Flat Planet Limited  |
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| 2024204183 | Abbott Diabetes Care Inc.   | 2024204289 | Aristocrat Technologies Australia Pty Limited  |
| 2024204184 | Shenzhen Ulike Smart Electronics Co. Ltd  | 2024204292 | Fisher & Paykel Healthcare Limited   |
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| 2024204191 | ResMed Pty Ltd  |            | Ambrecht, A.; Rubin, M.  |
| 2024204192 | Caterpillar Inc.  | 2024204300 | LG Electronics Inc.  |
| 2024204194 | Mitsubishi Heavy Industries, Ltd.   | 2024204304 | Mountain Top (Denmark) ApS   |
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| 2024204197 | Valunor AG  | 2024204307 | The Regents of the University of Colorado, a Body Corporate                                |
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| 2024204199 | Red Surcos Colombia LTDA.   | 2024204310 | Sunovion Pharmaceuticals Inc.; PGI Drug Discovery LLC.                                     |
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| 2024204202 | DM Orthotics Limited  | 2024204312 | Johnson & Johnson Consumer Inc.  |
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| 2024204207 | Gambro Lundia AB  | 2024204315 | LG Electronics Inc.  |
| 2024204208 | GW Research Limited   | 2024204316 | Erasmus University Medical Center Rotterdam  |
| 2024204209 | Wonderland Switzerland AG   | 2024204317 | Techtronic Cordless GP   |
| 2024204210 | Deciphera Pharmaceuticals, LLC  | 2024204319 | TMA Capital Australia Pty Ltd  |
| 2024204212 | ChemoCentryx, Inc.  | 2024204320 | Boston Scientific Scimed, Inc.   |
| 2024204213 | Janssen Pharmaceutica NV  | 2024204321 | International Business Machines Corporation  |
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| 2024204217 | Commonwealth Scientific and Industrial Research Organisation                                    | 2024204326 | Telefonaktiebolaget LM Ericsson (publ)   |
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| 2024204224 | Phenogy AG  | 2024204336 | Universitätsspital Basel   |
| 2024204226 | Alcon Inc.  | 2024204338 | Canva Pty Ltd  |
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| 2024204237 | Dibiase, J.; Rite-Hite Holding Corporation  | 2024204349 | SITA Information Networking Computing USA, Inc.  |
| 2024204238 | Process Plants International Pty Ltd  | 2024204350 | Prolacta Bioscience, Inc.  |
| 2024204239 | Applied Medical Resources Corporation   | 2024204351 | Caterpillar Inc.   |
| 2024204240 | Praeventix, LLC; Temple University-of The Commonwealth System of Higher Education               | 2024204352 | Caterpillar Inc.   |
| 2024204241 | Biogen MA Inc.  | 2024204353 | Marquette University   |
| 2024204245 | Eddy Current Limited Partnership  | 2024204356 | Angel Group Co., Ltd.  |
| 2024204247 | SHINE Technologies, LLC   | 2024204357 | Angel Group Co., Ltd.  |
| 2024204248 | The General Hospital Corporation; The Broad Institute, Inc.; Dana-Farber Cancer Institute, Inc. | 2024204358 | Angel Group Co., Ltd.  |
| 2024204249 | Apple Inc.  | 2024204359 | Eddy Current Limited Partnership   |
| 2024204250 | Wonderland Switzerland AG   | 2024204361 | ARCHER DANIELS MIDLAND COMPANY   |
| 2024204252 | TARIS Biomedical LLC  | 2024204362 | SyntheX, Inc.  |
| 2024204256 | LG ELECTRONICS INC.   | 2024204363 | Qualyst Transporter Solutions, LLC   |
| 2024204257 | Stryker Corporation   | 2024204368 | YETI Coolers, LLC  |
| 2024204258 | Hagen, T.; Raison, LLC  | 2024204369 | Esperion Therapeutics, Inc.  |
| 2024204259 | CSR Building Products Limited   | 2024204370 | Apple Inc.   |
| 2024204260 | Dragonfly Therapeutics, Inc.  | 2024204373 | Wilson Wolf Manufacturing, LLC   |
| 2024204262 | MannKind Corporation  | 2024204375 | Eli Lilly and Company  |
| 2024204264 | Prelude Therapeutics, Incorporated  | 2024204376 | Huawei Technologies Co., Ltd.  |
| 2024204266 | Uridan Waterless Solutions GmbH   | 2024204377 | DEKA Products Limited Partnership  |
| 2024204267 | TuSimple, Inc.  | 2024204378 | HUAWEI TECHNOLOGIES CO., LTD.  |
| 2024204269 | The Council of The Queensland Institute of Medical Research                                     | 2024204379 | Alnylam Pharmaceuticals, Inc.  |
| 2024204270 | Dexcom, Inc.  | 2024204380 | International Business Machines Corporation  |
| 2024204271 | Aristocrat Technologies Australia Pty Limited   |            |  |
| 2024204272 | Melcare Medical Pty Ltd   |            |  |

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| <b>F21V 21 /-</b><br>2024204306                             | <b>G01R 21 /-</b><br>2023274156   | <b>G06K 10 /-</b><br>2024204321   | <b>G07C 5 /-</b><br>2024204267  | <b>H01M 50 /-</b><br>2024204162<br>2024204334                             | <b>H04L 5 /-</b><br>2024204378   |
| <b>F24D 17 /-</b><br>2023270312                             | <b>G01R 22 /-</b><br>2023274156   | <b>G06N 20 /-</b><br>2023285860<br>2023285996<br>2024204058   | <b>G07G 9 /-</b><br>2024204187  | <b>H01M 6 /-</b><br>2023274067<br>2023285789<br>2024204224                | <b>H04L 67 /-</b><br>2023278030<br>2023285980  |
| <b>F24D 19 /-</b><br>2023270312                             | <b>G01R 31 /-</b><br>2023274210   | <b>G06N 5 /-</b><br>2024204058  | <b>G07F 17 /-</b><br>2024204038<br>2024204039<br>2024204177<br>2024204178<br>2024204289<br>2024204329<br>2024204332 | <b>H02G 1 /-</b><br>2023233201  | <b>H04L 9 /-</b><br>2023285837<br>2024204058<br>2024204089<br>2024204157<br>2024204228 |
| <b>F24H 1 /-</b><br>2023270312                              | <b>G01S 13 /-</b><br>2024204319   | <b>G06Q 10 /-</b><br>2023251496<br>2023282238<br>2023285835<br>2023285996<br>2023286004<br>2024203732<br>2024204058<br>2024204200<br>2024204349<br>2024204380 | <b>G07G 5 /-</b><br>2024204267  | <b>H02G 3 /-</b><br>2023233201  | <b>H04N 19 /-</b><br>2024204278<br>2024204300<br>2024204315<br>2024204346              |
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| <b>F24H 3 /-</b><br>2024204294<br>2024204295                | <b>G02B 1 /-</b><br>2024204226  | <b>G06Q 20 /-</b><br>2024204089<br>2024204176<br>2024204177   | <b>G08G 1 /-</b><br>2023282238<br>2024204319  | <b>H02J 3 /-</b><br>2023251496<br>2023282306                              | <b>H04N 12 /-</b><br>2024204376  |
| <b>F24H 7 /-</b><br>2024204294<br>2024204295                | <b>G02B 6 /-</b><br>2023278093  | <b>G06Q 30 /-</b><br>2023285860   | <b>G08G 5 /-</b><br>2024204194  | <b>H02J 50 /-</b><br>2023278059   | <b>H04W 12 /-</b><br>2024204326  |
| <b>F24H 9 /-</b><br>2023270312                              | <b>G05B 11 /-</b><br>2023285962   | <b>G06Q 40 /-</b><br>2023286004<br>2024204058<br>2024204200<br>2024204349<br>2024204380   | <b>G09B 1 /-</b><br>2023258396  | <b>H02J 7 /-</b><br>2023285861  | <b>H04W 16 /-</b><br>2024204326  |
| <b>F25D 27 /-</b><br>2024204256                             | <b>G05B 13 /-</b><br>2023282306   | <b>G06Q 20 /-</b><br>2024204089<br>2024204176<br>2024204177   | <b>G09B 15 /-</b><br>2024203732   | <b>H02K 1 /-</b><br>2023204109  | <b>H04W 24 /-</b><br>2023201213<br>2024204326  |
| <b>F25D 29 /-</b><br>2024204256                             | <b>G05B 15 /-</b><br>2023285962   | <b>G06Q 30 /-</b><br>2023285860   | <b>G09B 21 /-</b><br>2023258396   | <b>H02K 41 /-</b><br>2023204109   | <b>H04W 28 /-</b><br>2024204326  |
| <b>F28D 17 /-</b><br>2024204294<br>2024204295               | <b>G05B 23 /-</b><br>2024204267   | <b>G06Q 20 /-</b><br>2024204089<br>2024204176<br>2024204177   | <b>G09B 23 /-</b><br>2024204239   | <b>H02K 49 /-</b><br>2024204245   | <b>H04W 36 /-</b><br>2024204204  |
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| <b>F42D 1 /-</b><br>2023219942                              | <b>G05D 3 /-</b><br>2023278030  | <b>G06Q 40 /-</b><br>2023286004<br>2024204089   | <b>G09B 15 /-</b><br>2024203732   | <b>H02K 7 /-</b><br>2023204109<br>2024204245                              | <b>H04W 40 /-</b><br>2023201393  |
| <b>G01K 1 /-</b><br>2023285940                              | <b>G06F 1 /-</b><br>2024204370<br>2024204377                              | <b>G06Q 50 /-</b><br>2023251496<br>2023274210<br>2023285860<br>2023286004<br>2024204176   | <b>G10L 15 /-</b><br>2023285996   | <b>H03K 17 /-</b><br>2024204321   | <b>H04W 48 /-</b><br>2023201263  |
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**No IPC Mark**

**Innovation Patents Open to Public Inspection**

**Name Index**

. (\*) Title not in Roman characters  
 . (\*\*) Title not given  
 (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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 YING, Shiming; CHEN, Siyuan  
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 (51) Int. Cl.  
*H02H 3/04* ( 2006.01 )  
*H02H 1/00* ( 2006.01 )  
*H02H 7/26* ( 2006.01 )  
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*H02J 7/00* ( 2006.01 )  
*F03D 9/00* ( 2016.01 )  
*F03D 9/11* ( 2016.01 )  
*F03D 9/43* ( 2016.01 )  
*F21S 9/02* ( 2006.01 )  
*F21S 9/03* ( 2006.01 )  
*F21S 9/04* ( 2006.01 )  
*F21V 23/00* ( 2015.01 )  
*F21V 23/04* ( 2006.01 )  
*G01W 1/02* ( 2006.01 )  
*H02J 3/00* ( 2006.01 )  
*H02S 10/12* ( 2014.01 )  
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*H04W 48/20* ( 2009.01 )  
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 (51) Int. Cl.  
*G06Q 50/08* ( 2012.01 )  
*G06Q 10/067* ( 2023.01 )  
*G06Q 40/06* ( 2012.01 )

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*C22B 1/06* ( 2006.01 )  
*C01G 25/06* ( 2006.01 )  
*C04B 35/48* ( 2006.01 )  
*C04B 35/626* ( 2006.01 )  
*C04B 41/91* ( 2006.01 )  
*C22B 1/26* ( 2006.01 )  
*C22B 34/14* ( 2006.01 )  
*F27B 7/06* ( 2006.01 )  
*F27B 7/08* ( 2006.01 )  
*F27B 7/36* ( 2006.01 )  
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 (72) Bernard, Nick; Bultitude-Paull, John; Gough, Ian; Griffiths, Chris; DeMol, John; Manis, Adrian; Roper, Adam  
 (74) FPA Patent Attorneys Pty Ltd

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*C22B 1/06* ( 2006.01 )  
*C04B 35/48* ( 2006.01 )  
*C04B 35/626* ( 2006.01 )  
*C04B 41/91* ( 2006.01 )  
*C22B 1/26* ( 2006.01 )  
*C22B 34/14* ( 2006.01 )  
*F27B 7/06* ( 2006.01 )  
*F27B 7/08* ( 2006.01 )  
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 (51) Int. Cl.  
*C22B 1/06* ( 2006.01 )  
*C01G 25/06* ( 2006.01 )  
*C04B 35/48* ( 2006.01 )  
*C04B 35/626* ( 2006.01 )  
*C04B 41/91* ( 2006.01 )  
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*C22B 34/14* ( 2006.01 )  
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| <p>(71) 8SEATS GROUP PTY LTD<br/>                     (11) AU-A-2022420984<br/>                     (21) 2022420984 (22) 23.12.2022<br/>                     (54) A METHOD AND ELECTRONIC DEVICE FOR MESSAGING<br/>                     (51) Int. Cl.<br/> <i>H04L 51/04</i> ( 2022.01 )<br/> <i>G06F 3/0482</i> ( 2013.01 )<br/> <i>G06Q 50/00</i> ( 2012.01 )<br/> <i>H04L 12/16</i> ( 2006.01 )<br/> <i>H04L 12/18</i> ( 2006.01 )<br/> <i>H04L 51/214</i> ( 2022.01 )<br/> <i>H04L 51/56</i> ( 2022.01 )<br/> <i>H04L 67/306</i> ( 2022.01 )<br/>                     (87) WO2023/115154<br/>                     (31) 2021904225 (32) 23.12.21 (33) AU<br/>                     (43) 29.06.2023<br/>                     (72) MCDONALD, Iain<br/>                     (74) Allens Patent &amp; Trade Mark Attorneys</p> | <p>(71) ABBOTT DIABETES CARE INC.<br/>                     (11) AU-A-2023216186<br/>                     (21) 2023216186 (22) 06.02.2023<br/>                     (54) SYSTEMS, DEVICES, AND METHODS FOR AN ANALYTE SENSOR<br/>                     (51) Int. Cl.<br/> <i>A61B 5/145</i> ( 2006.01 )<br/>                     (87) WO2023/150363<br/>                     (31) 63/306,872 (32) 04.02.22 (33) US<br/>                     (43) 10.08.2023<br/>                     (72) VOIT, Peter, M.; COLE, Jean-pierre; MEYER, Thomas; LOVE, Michael<br/>                     (74) FPA Patent Attorneys Pty Ltd</p>   | <p>(71) ABIOMED EUROPE GMBH<br/>                     (11) AU-A-2023213078<br/>                     (21) 2023213078 (22) 25.01.2023<br/>                     (54) BLOOD PUMP<br/>                     (51) Int. Cl.<br/> <i>A61M 60/13</i> ( 2021.01 )<br/> <i>A61M 60/221</i> ( 2021.01 )<br/> <i>A61M 60/422</i> ( 2021.01 )<br/> <i>A61M 60/804</i> ( 2021.01 )<br/> <i>A61M 60/825</i> ( 2021.01 )<br/>                     (87) WO2023/144201<br/>                     (31) 22153924.0 (32) 28.01.22 (33) EP<br/>                     (43) 03.08.2023<br/>                     (72) KERKHOFFS, Wolfgang; KEYSSEL-ITZ, Ellen; BOEHNING, Fiete; GROß-HARDT, Sascha<br/>                     (74) Davies Collison Cave Pty Ltd</p> |
| <p>(71) A-ALPHA BIO<br/>                     (11) AU-A-2023211609<br/>                     (21) 2023211609 (22) 27.01.2023<br/>                     (54) DIGITAL COUNTING OF CELL FUSION EVENTS USING DNA BAR-CODES<br/>                     (51) Int. Cl.<br/> <i>C12N 15/10</i> ( 2006.01 )<br/> <i>C12N 15/81</i> ( 2006.01 )<br/> <i>C12Q 1/6851</i> ( 2018.01 )<br/>                     (87) WO2023/147073<br/>                     (31) 63/304,380 (32) 28.01.22 (33) US<br/>                     (43) 03.08.2023<br/>                     (72) EMERSON, Ryan; LOPEZ, Randolph; ENGELHART, Emily; YOUNGER, David<br/>                     (74) RnB IP Pty Ltd</p>   | <p>(71) ABIOMED, INC.<br/>                     (11) AU-A-2023205043<br/>                     (21) 2023205043 (22) 06.01.2023<br/>                     (54) ACCESS DEVICE<br/>                     (51) Int. Cl.<br/> <i>A61M 39/02</i> ( 2006.01 )<br/> <i>A61M 39/06</i> ( 2006.01 )<br/> <i>A61M 1/36</i> ( 2006.01 )<br/>                     (87) WO2023/133246<br/>                     (31) 63/297,506 (32) 07.01.22 (33) US<br/>                     63/313,791 25.02.22 US<br/>                     63/344,300 20.05.22 US<br/>                     (43) 13.07.2023<br/>                     (72) FINCK, Adam; JAHANGIR, Emilia; DE-LORENZO, Charles, Anthony; FANTUZZI, Glen; CHOUINARD, Brian<br/>                     (74) Davies Collison Cave Pty Ltd</p> | <p>(71) ABIOMED EUROPE GMBH<br/>                     (11) AU-A-2023214099<br/>                     (21) 2023214099 (22) 25.01.2023<br/>                     (54) BLOOD PUMP<br/>                     (51) Int. Cl.<br/> <i>A61M 60/13</i> ( 2021.01 )<br/> <i>A61M 60/221</i> ( 2021.01 )<br/> <i>A61M 60/422</i> ( 2021.01 )<br/> <i>A61M 60/804</i> ( 2021.01 )<br/> <i>A61M 60/825</i> ( 2021.01 )<br/>                     (87) WO2023/144205<br/>                     (31) 22 153 922.4 (32) 28.01.22 (33) EP<br/>                     (43) 03.08.2023<br/>                     (72) KERKHOFFS, Wolfgang; GRAUWINKEL, Marius; KEYSSELITZ, Ellen<br/>                     (74) Davies Collison Cave Pty Ltd</p>                 |
| <p>(71) ABBOTT DIABETES CARE INC.<br/>                     (11) AU-A-2022425359<br/>                     (21) 2022425359 (22) 27.12.2022</p>   | <p>(71) ABIOMED, INC.<br/>                     (11) AU-A-2023205752<br/>                     (21) 2023205752 (22) 06.01.2023<br/>                     (54) MONITORING PATCH<br/>                     (51) Int. Cl.<br/> <i>A61B 5/1486</i> ( 2006.01 )<br/> <i>A61B 5/0537</i> ( 2021.01 )<br/> <i>A61B 5/145</i> ( 2006.01 )<br/> <i>G01N 27/27</i> ( 2006.01 )<br/> <i>G01N 27/327</i> ( 2006.01 )<br/> <i>H02J 7/00</i> ( 2006.01 )<br/>                     (87) WO2023/133238<br/>                     (31) 63/296,992 (32) 06.01.22 (33) US<br/>                     63/346,091 26.05.22 US</p>  | <p>(71) ABIVAX<br/>                     (11) AU-A-2022419092<br/>                     (21) 2022419092 (22) 20.12.2022<br/>                     (54) METHOD OF PREPARATION OF 1-(N-(QUINOLIN-2-YL)- (PHENYLAMINO)-1-DEOXY-BETA-D-GLUCOPYRANURONIC ACID DERIVATIVES<br/>                     (51) Int. Cl.<br/> <i>C07H 1/00</i> ( 2006.01 )<br/> <i>C07H 1/06</i> ( 2006.01 )<br/> <i>C07H 17/02</i> ( 2006.01 )<br/>                     (87) WO2023/118061<br/>                     (31) 21306866.1 (32) 21.12.21 (33) EP<br/>                     (43) 29.06.2023<br/>                     (72) ROSE, Sébastien; MAGUEUR, Guillaume; DENIS, Jérôme<br/>                     (74) AJ PARK</p>                                      |

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C40B 30/04 ( 2006.01 )  
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A61K 47/40 ( 2006.01 )  
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C08K 5/47 ( 2006.01 )  
C09D 5/08 ( 2006.01 )  
C08K 3/26 ( 2006.01 )  
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C08K 3/26 ( 2006.01 )  
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(54) COATING COMPOSITION FOR REINFORCED PROTECTIVE LAYER  
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(74) Allens Patent & Trade Mark Attorneys
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*G06T 7/33* ( 2017.01 )  
*G06N 3/08* ( 2023.01 )  
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*G06T 3/00* ( 2006.01 )  
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*C07F 5/02* ( 2006.01 )  
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(51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C07C 1/02* ( 2006.01 )  
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(51) Int. Cl.  
*H04L 12/28* ( 2006.01 )  
*G06F 11/07* ( 2006.01 )  
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*H04L 12/28* ( 2006.01 )  
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 (54) COMPOSITIONS AND METHODS  
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 LANT-BEHM, Corrie; ANDREONE,  
 Benjamin; HASSLER, Matthew;  
 CURTIS, Daniel; GODINHO, Bruno,  
 Miguel Da Cruz  
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 C07C 321/06 ( 2006.01 )  
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 (54) DRUG DELIVERY SYSTEM AND  
 METHODS OF USING THE SAME  
 (51) Int. Cl.  
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 LOGY UK LIMITED  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*A61M 5/00* ( 2006.01 )  
*A61M 5/31* ( 2006.01 )  
*C03C 17/30* ( 2006.01 )  
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*F24F 5/00* ( 2006.01 )  
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*F25B 29/00* ( 2006.01 )  
*F25D 16/00* ( 2006.01 )  
*F28D 1/00* ( 2006.01 )  
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*C12Q 1/6895* ( 2018.01 )  
*A01G 13/00* ( 2006.01 )  
*A01G 22/40* ( 2018.01 )  
*A01H 1/02* ( 2006.01 )  
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*A23D 9/00* ( 2006.01 )  
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**(54)** PYRAZINE COMPOUNDS AS INHIBITORS OF FLT3  
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*C07D 241/20* ( 2006.01 )  
*C07D 403/12* ( 2006.01 )  
*C07D 403/14* ( 2006.01 )  
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**(74)** RnB IP
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**(21)** 2022396260 **(22)** 23.11.2022  
**(54)** SYSTEM AND METHOD FOR DETERMINING INTOXICANT IMPAIRMENT  
**(51)** Int. Cl.  
*A61B 5/00* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*A61B 5/08* ( 2006.01 )  
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**(43)** 01.06.2023  
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**(54)** NEUROSTIMULATION PROGRAMMING AND TRIAGE BASED ON FREE-FORM TEXT INPUTS  
**(51)** Int. Cl.  
*G16H 20/00* ( 2018.01 )  
*G16H 20/40* ( 2018.01 )  
*G16H 20/70* ( 2018.01 )  
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**(54)** FISCHER-TROPSCH SYNTHESIS STARTUP  
**(51)** Int. Cl.  
*C10G 2/00* ( 2006.01 )  
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**(72)** PATERSON, Alexander, James; CLARKSON, Jay Simon; COE, Andrew James  
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**(51)** Int. Cl.  
*A61M 15/06* ( 2006.01 )  
*A61M 16/10* ( 2006.01 )  
*A61M 99/00* ( 2012.01 )  
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**(74)** RnB IP
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**(21)** 2022425754 **(22)** 30.09.2022  
**(54)** VEHICLE TRAVEL CONTROL DEVICE, METHOD FOR ACQUIRING VEHICLE POSITION INFORMATION, COMPUTER-READABLE RECORDING MEDIUM, AND PROGRAM FOR ACQUIRING VEHICLE POSITION INFORMATION  
**(51)** Int. Cl.  
*G08G 1/00* ( 2006.01 )  
*B60W 30/165* ( 2020.01 )  
*G01C 21/28* ( 2006.01 )  
*G08G 1/09* ( 2006.01 )  
*G08G 1/13* ( 2006.01 )  
*G08G 1/16* ( 2006.01 )  
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**(51)** Int. Cl.  
*G06Q 50/10* ( 2012.01 )  
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**(54)** HYDRAULIC INTEGRATED CONTROL MODULE, HYDRAULIC SUSPENSION SYSTEM HAVING HYDRAULIC INTEGRATED CONTROL MODULE, AND VEHICLE  
**(51)** Int. Cl.  
*B60G 17/08* ( 2006.01 )  
*F15B 1/02* ( 2006.01 )  
*F16F 9/10* ( 2006.01 )  
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**(74)** GLMR
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**(11)** AU-A-2022425064  
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**(54)** RECOVERY SYSTEM  
**(51)** Int. Cl.  
*B01J 19/18* ( 2006.01 )  
*B01J 4/00* ( 2006.01 )  
*C01G 49/08* ( 2006.01 )  
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**(54)** METHOD FOR SEPARATING IRON ELEMENT FROM BRINE AND USE THEREOF  
**(51)** Int. Cl.  
*C22B 3/44* ( 2006.01 )  
*C02F 1/64* ( 2023.01 )  
**(87)** WO2023/124935  
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**(74)** Integrated IP
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(51) Int. Cl.  
**B60G 13/08** ( 2006.01 )  
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**B60G 17/015** ( 2006.01 )  
**B60G 17/04** ( 2006.01 )  
**F16F 9/22** ( 2006.01 )  
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**B60L 50/60** ( 2019.01 )  
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**C12N 15/63** ( 2006.01 )  
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(72) METZAKOPIAN, Emmanouil  
(74) Allens Patent & Trade Mark Attorneys
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(51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
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(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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**C07F 9/58** ( 2006.01 )  
**A61K 31/675** ( 2006.01 )  
**A61P 3/02** ( 2006.01 )  
**C07F 9/6558** ( 2006.01 )  
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(54) A REACTOR FOR CONVERTING GASEOUS CARBON-CONTAINING REACTANTS TO SOLID CARBON PRODUCT AND ASSOCIATED METHODS  
(51) Int. Cl.  
**C01B 32/15** ( 2017.01 )  
**B01J 8/02** ( 2006.01 )  
**C01B 32/158** ( 2017.01 )  
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(21) 2022413409 (22) 22.11.2022  
(54) MACHINE MANAGEMENT BASED ON BATTERY STATUS  
(51) Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**B60L 53/64** ( 2019.01 )  
**B60L 58/12** ( 2019.01 )  
**G06Q 10/06** ( 2023.01 )  
(87) WO2023/114624  
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(72) LANE, Cameron, T.  
(74) Patent Attorney Services
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(51) Int. Cl.  
**B60L 53/64** ( 2019.01 )  
**B60L 58/12** ( 2019.01 )  
**B60L 58/16** ( 2019.01 )  
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(31) 17/554,810 (32) 17.12.21 (33) US  
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(21) 2022410087 (22) 06.12.2022  
(54) A METHOD TO CONTROL MULTIPLE PARALLEL BATTERY PACKS  
(51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
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(54) MACHINE AND BATTERY SYSTEM PROGNOSTICS  
(51) Int. Cl.  
**B60L 58/16** ( 2019.01 )  
**B60L 58/12** ( 2019.01 )  
**G01R 31/392** ( 2019.01 )  
**H02J 7/00** ( 2006.01 )  
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(72) BRAUNSTEIN, Michael, D.; LANE, Cameron, T.  
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 (54) COMPONENT WEAR MONITORING BASED ON STRAIN DATA  
 (51) Int. Cl.  
*G05B 23/02* ( 2006.01 )  
*B62D 55/32* ( 2006.01 )  
 (87) WO2023/114020  
 (31) 17/644,583 (32) 16.12.21 (33) US  
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 (72) JOHANNSEN, Eric J.  
 (74) Patent Attorney Services
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 (21) 2022413419 (22) 05.12.2022  
 (54) SYSTEMS AND METHODS FOR IDENTIFYING MODIFICATIONS TO TERRAIN CHARACTERISTICS OF A WORKSITE FOR BATTERY PERFORMANCE  
 (51) Int. Cl.  
*G05D 1/00* ( 2024.01 )  
*B60L 58/10* ( 2019.01 )  
*E02F 9/20* ( 2006.01 )  
*G06F 3/048* ( 2013.01 )  
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 (31) 17/553,894 (32) 17.12.21 (33) US  
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 (72) BRAUNSTEIN, Michael, D.  
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 (54) DETECTING SPROCKET SEGMENT WEAR BASED ON MACHINE DRIVE TRAIN DATA  
 (51) Int. Cl.  
*G01M 13/023* ( 2019.01 )  
*B60W 40/13* ( 2012.01 )  
*E02F 9/26* ( 2006.01 )  
*G01M 13/021* ( 2019.01 )  
*G01M 13/022* ( 2019.01 )  
*G01M 17/007* ( 2006.01 )  
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*B01D 45/16* ( 2006.01 )  
*B01D 50/20* ( 2022.01 )  
*B04C 3/00* ( 2006.01 )  
*B04C 3/06* ( 2006.01 )  
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 (72) CALIENDO, Vincent P.  
 (74) Patent Attorney Services
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 (51) Int. Cl.  
*B60L 53/63* ( 2019.01 )  
*B60L 53/30* ( 2019.01 )  
*B60L 53/64* ( 2019.01 )  
*B60L 58/16* ( 2019.01 )  
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 (72) WULF, Stefan J.; LANE, Cameron T.; ORGAN, Daniel J.  
 (74) Patent Attorney Services
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 (11) AU-A-2022419951  
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 (54) SYSTEMS AND METHODS FOR PURGING AIR FROM BATTERY COOLING SYSTEMS  
 (51) Int. Cl.  
*H01M 10/613* ( 2014.01 )  
*F28D 1/00* ( 2006.01 )  
*H01M 10/625* ( 2014.01 )  
*H01M 10/633* ( 2014.01 )  
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 (74) Patent Attorney Services
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 (54) STATICALLY DETERMINATE FLUID CHANNEL MULTIFUNCTIONAL DRILLING BOX  
 (51) Int. Cl.  
*E21D 21/00* ( 2006.01 )  
*E21B 3/00* ( 2006.01 )  
*E21D 9/10* ( 2006.01 )  
*E21D 20/02* ( 2006.01 )  
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 (74) LexGeneris Pty Ltd
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 (11) AU-A-2022419405  
 (21) 2022419405 (22) 22.12.2022
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 (51) Int. Cl.  
*C12N 5/0793* ( 2010.01 )  
*A61K 35/30* ( 2015.01 )  
*A61K 38/17* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C07K 14/72* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/86* ( 2006.01 )  
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 (31) 2021904199 (32) 22.12.21 (33) AU  
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 (72) WONG, Ching Bong; URRUTIA-CABRERA, Daniel  
 (74) FPA Patent Attorneys Pty Ltd
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 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
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*C12N 5/0793* ( 2010.01 )  
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 (72) WONG, Ching Bong  
 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2022414936 (22) 06.10.2022  
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 (51) Int. Cl.  
*C07K 16/22* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) CENTURY THERAPEUTICS, INC.  
 (11) AU-A-2022423987  
 (21) 2022423987 (22) 27.12.2022

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- (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 5/074** ( 2010.01 )  
**C12N 5/0783** ( 2010.01 )  
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 A61J 3/00 ( 2006.01 )  
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 (74) Baxter Patent Attorneys Pty Ltd
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 (54) RAF KINASE INHIBITORS AND METHODS OF USE THEREOF  
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**A61P 35/00** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
**C07D 213/72** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**C07D 401/12** ( 2006.01 )  
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 (54) LEARNED COMPUTER CONTROL USING POINTING DEVICE AND KEYBOARD ACTIONS  
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**G06F 3/038** ( 2013.01 )  
**G06F 3/048** ( 2013.01 )  
**G06F 3/16** ( 2006.01 )  
**G06F 40/00** ( 2020.01 )  
**G06N 3/0442** ( 2023.01 )  
**G06N 3/0455** ( 2023.01 )  
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 (51) Int. Cl.  
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**A61K 38/20** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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**A61K 38/20** ( 2006.01 )  
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**G16H 20/30** ( 2018.01 )  
**A61B 5/00** ( 2006.01 )  
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F24H 1/10 ( 2022.01 )  
F24H 1/48 ( 2022.01 )  
F24H 9/02 ( 2006.01 )  
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A61K 9/20 ( 2006.01 )  
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C08L 7/02 ( 2006.01 )  
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A61P 25/00 ( 2006.01 )  
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SYSTEM FOR WASTE TO ENERGY  
GENERATION AND OTHER OUTPUT  
PRODUCTS  
(51) Int. Cl.  
B02C 25/00 ( 2006.01 )  
B03B 1/00 ( 2006.01 )  
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F23G 5/02 ( 2006.01 )  
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*B60W 30/18* ( 2012.01 )  
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*A01H 5/12* ( 2018.01 )  
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*C07K 14/415* ( 2006.01 )  
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*C12N 15/113* ( 2010.01 )  
*A61P 27/02* ( 2006.01 )  
*C07K 14/515* ( 2006.01 )  
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 (51) Int. Cl.  
*C09D 11/023* ( 2014.01 )  
*B33Y 70/10* ( 2020.01 )  
*B33Y 80/00* ( 2015.01 )  
*C09D 11/03* ( 2014.01 )  
*C09D 11/037* ( 2014.01 )  
*C09D 11/322* ( 2014.01 )  
*C09D 11/38* ( 2014.01 )  
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 (31) 21216570.8 (32) 21.12.21 (33) EP  
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 (51) Int. Cl.  
*E21B 10/30* ( 2006.01 )  
*E21B 17/10* ( 2006.01 )  
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| <p>(71) F. HOFFMANN-LA ROCHE AG<br/>(11) AU-A-2023214616<br/>(21) 2023214616 (22) 01.02.2023<br/>(54) ELECTRONIC CIRCUIT AND ANALYTE SENSOR SYSTEM SUCH AS A GLUCOSE SENSOR SYSTEM AND METHOD OF OPERATING AN ANALYTE SENSOR AND SYSTEM<br/>(51) Int. Cl.<br/>A61B 5/145 ( 2006.01 )<br/>(87) WO2023/148200<br/>(31) 22155234.2 (32) 04.02.22 (33) EP<br/>(43) 10.08.2023<br/>(72) PLUM, Markus; FUERNROHR, Markus<br/>(74) Spruson &amp; Ferguson</p>  | <p>Cameron, Leslie; MATTHEWS, Hannah, Maree; MAUNDER, Evan, Anthony; JIANG-FOO, Winnie, Yong<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>   | <p>2250148-0 15.02.22 SE<br/>(43) 29.06.2023<br/>(72) NILSSON, Markus; LINDGREN, Henrik; SECRET, Christina; GUPTA, Tarakranjan; VARTIA, Christian<br/>(74) Griffith Hack</p>   |
| <p>(71) FAIVELEY TRANSPORT RAIL TECHNOLOGIES INDIA PRIVATE LIMITED<br/>(11) AU-A-2022377697<br/>(21) 2022377697 (22) 28.10.2022<br/>(54) ELECTRONIC BRAKE CONTROL SYSTEM<br/>(51) Int. Cl.<br/>B60T 13/66 ( 2006.01 )<br/>B60T 17/22 ( 2006.01 )<br/>(87) WO2023/073734<br/>(31) 202141049698 (32) 29.10.21 (33) IN<br/>(43) 04.05.2023<br/>(72) SELVAN, K Kalaimohana; SOR-NAMANI, Krishnakumar; NATARAJ, G J; MITTINO, Maurizio; CORRENDO, Roberto; MAUGERI, Bruno<br/>(74) K&amp;L Gates</p>   | <p>(71) FIVES XCELLA<br/>(11) AU-A-2022423896<br/>(21) 2022423896 (22) 13.12.2022<br/>(54) AUTOMATED SYSTEM FOR VERTICAL SORTING OF ARTICLES AND METHOD<br/>(51) Int. Cl.<br/>B07C 5/36 ( 2006.01 )<br/>B65G 1/04 ( 2006.01 )<br/>B65G 1/137 ( 2006.01 )<br/>(87) WO2023/117565<br/>(31) FR2114353 (32) 23.12.21 (33) FR<br/>(43) 29.06.2023<br/>(72) CHERIF IDRISSE EL GANOUNI, Ousama<br/>(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>  | <p>(71) GANYMED ROBOTICS<br/>(11) AU-A-2023208891<br/>(21) 2023208891 (22) 19.01.2023<br/>(54) METHOD AND DEVICE FOR SEGMENTATION AND REGISTRATION OF A PREOPERATIVE MODEL OF AN ANATOMICAL STRUCTURE<br/>(51) Int. Cl.<br/>G06T 7/33 ( 2017.01 )<br/>G06T 7/11 ( 2017.01 )<br/>G06T 7/136 ( 2017.01 )<br/>(87) WO2023/139152<br/>(31) 22305056.8 (32) 19.01.22 (33) EP<br/>(43) 27.07.2023<br/>(72) PETER, Loïc; LOY RODAS, Nicolas; DECROUEZ, Marion<br/>(74) FPA Patent Attorneys Pty Ltd</p>                           |
| <p>(71) FANG, Y.<br/>(11) AU-A-2022425386<br/>(21) 2022425386 (22) 29.12.2022<br/>(54) APPARATUS AND METHOD FOR AGRICULTURAL MECHANIZATION<br/>(51) Int. Cl.<br/>A01B 63/02 ( 2006.01 )<br/>A01B 39/22 ( 2006.01 )<br/>(87) WO2023/129669<br/>(31) 63/294,627 (32) 29.12.21 (33) US<br/>(43) 06.07.2023<br/>(72) FANG, Yang<br/>(74) Spruson &amp; Ferguson</p>   | <p>(71) FULBRIGHT MEDICAL INC.<br/>(11) AU-A-2022425321<br/>(21) 2022425321 (22) 29.12.2022<br/>(54) CLIP CARTRIDGE AND CLIP APPLIER<br/>(51) Int. Cl.<br/>A61B 17/128 ( 2006.01 )<br/>A61B 17/08 ( 2006.01 )<br/>A61B 17/122 ( 2006.01 )<br/>(87) WO2023/125862<br/>(31) 202111670812.3 (32) 31.12.21 (33) CN<br/>(43) 06.07.2023<br/>(72) SUN, Baofeng; CHENG, Tao; QIAO, Zhichen<br/>(74) WRAYS PTY LTD</p>   | <p>(71) GELITA AG<br/>(11) AU-A-2022422178<br/>(21) 2022422178 (22) 21.12.2022<br/>(54) TYPE I COLLAGEN PEPTIDE FOR THERAPEUTIC USE<br/>(51) Int. Cl.<br/>A61K 38/39 ( 2006.01 )<br/>A61P 37/00 ( 2006.01 )<br/>(87) WO2023/118274<br/>(31) 10 2021 214 899.9 (32) 22.12.21 (33) DE<br/>(43) 29.06.2023<br/>(72) HAUSMANN, Stephan; FRECH, Hans-Ulrich; OESSER, Steffen; HAHN, Martin<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>  |
| <p>(71) FISHER &amp; PAYKEL HEALTHCARE LIMITED<br/>(11) AU-A-2022417604<br/>(21) 2022417604 (22) 23.12.2022<br/>(54) RESPIRATORY SUPPORT SYSTEM<br/>(51) Int. Cl.<br/>A61M 16/12 ( 2006.01 )<br/>A61M 16/00 ( 2006.01 )<br/>A61M 16/10 ( 2006.01 )<br/>A61M 16/16 ( 2006.01 )<br/>A61M 16/20 ( 2006.01 )<br/>(87) WO2023/119240<br/>(31) 63/265,954 (32) 23.12.21 (33) US<br/>(43) 29.06.2023<br/>(72) BREWSTER, Cameron, John; EVANS, Edward, John; KAT, Arjen, David; HOLYOAKE, Bruce, Gordon; MCDERMOTT, Gareth, Thomas; MATTHEWS,</p> | <p>(71) GALLOWAY STEEL FABRICATIONS LIMITED<br/>(11) AU-A-2022411839<br/>(21) 2022411839 (22) 28.11.2022<br/>(54) ATTACHMENT FOR AN EXCAVATOR<br/>(51) Int. Cl.<br/>E02F 3/18 ( 2006.01 )<br/>A01B 33/00 ( 2006.01 )<br/>E02F 3/20 ( 2006.01 )<br/>E02F 3/24 ( 2006.01 )<br/>E02F 3/36 ( 2006.01 )<br/>E02F 5/30 ( 2006.01 )<br/>E02F 9/28 ( 2006.01 )<br/>(87) WO2023/110378<br/>(31) 2118237.3 (32) 16.12.21 (33) GB<br/>(43) 22.06.2023<br/>(72) GALLOWAY, Mark<br/>(74) Madderns Pty Ltd</p> | <p>(71) GENCAPS SÅRL<br/>(11) AU-A-2022422597<br/>(21) 2022422597 (22) 07.12.2022<br/>(54) DRUG DELIVERY SYSTEM COMPRISING MONOMETHYL FUMARATE<br/>(51) Int. Cl.<br/>A61K 31/225 ( 2006.01 )<br/>A61K 9/14 ( 2006.01 )<br/>A61K 9/20 ( 2006.01 )<br/>A61K 9/48 ( 2006.01 )<br/>A61P 17/06 ( 2006.01 )<br/>A61P 25/00 ( 2006.01 )<br/>(87) WO2023/119037<br/>(31) PCT/IB2021/062244 (32) 23.12.21 (33) IB<br/>(43) 29.06.2023<br/>(72) GRELLET, Sébastien<br/>(74) IP GATEWAY PATENT &amp; TRADE MARK ATTORNEYS PTY LTD</p> |
| <p>(71) GAMBRO LUNDIA AB<br/>(11) AU-A-2022418116<br/>(21) 2022418116 (22) 20.12.2022<br/>(54) SYSTEM AND METHOD FOR PRODUCING DIALYSIS FLUID<br/>(51) Int. Cl.<br/>A61M 1/16 ( 2006.01 )<br/>(87) WO2023/118097<br/>(31) 202141059868 (32) 22.12.21 (33) IN</p>  | <p>(71) GENENTECH, INC.<br/>(11) AU-A-2023241735<br/>(21) 2023241735 (22) 31.03.2023<br/>(54) HYDROXYPROPYL METHYL CELLULOSE DERIVATIVES TO STABILIZE POLYPEPTIDES</p>   |  |



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**A61K 9/48** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
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(43) 05.10.2023  
(72) NAYAK, Purnendu Kumar; CHANG, Debby Pei-Shan; RAJAGOPAL, Karthikan; ZARZAR, Jonathan  
(74) Griffith Hack

(71) GENOVAC ANTIBODY DISCOVERY LLC; YALE UNIVERSITY  
(11) AU-A-2023210235  
(21) 2023210235 (22) 23.01.2023  
(54) ANTI-ALK1 ANTIBODIES AND METHODS OF USING THE SAME  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
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(72) SCHLEER, Hubertus; SESSA, William  
(74) Spruson & Ferguson

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(11) AU-A-2022417000  
(21) 2022417000 (22) 16.12.2022  
(54) COMPUTER NETWORK FOR LOCATION AND DATA TRANSFER  
(51) Int. Cl.  
**H04W 84/18** ( 2009.01 )  
**G01C 21/20** ( 2006.01 )  
**G01S 1/02** ( 2010.01 )  
**G01S 1/68** ( 2006.01 )  
**G01S 5/00** ( 2006.01 )  
**G01S 5/14** ( 2006.01 )  
**H04B 1/38** ( 2015.01 )  
**H04L 12/66** ( 2006.01 )  
**H04L 45/122** ( 2022.01 )  
**H04W 4/02** ( 2018.01 )  
**H04W 4/029** ( 2018.01 )  
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**H04W 40/02** ( 2009.01 )  
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(43) 22.06.2023  
(72) BAUDIA, Christophe  
(74) Golja Haines & Friend

(71) GHARRING, C.J.  
(11) AU-A-2022427688  
(21) 2022427688 (22) 31.12.2022  
(54) TOY PLASTIC COMPOSITION  
(51) Int. Cl.  
**C08L 23/12** ( 2006.01 )  
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(43) 06.07.2023  
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(11) AU-A-2022405082  
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(54) LPA RECEPTOR ANTAGONISTS AND USES THEREOF

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**C07D 401/04** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
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**C07D 401/12** ( 2006.01 )  
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(31) 63/287,252 (32) 08.12.21 (33) US  
(43) 15.06.2023  
(72) BESTVATER, Brian P.; KAPLAN, Joshua A.; PHILLIPS, Barton W.; YANG, Kin S.; ZAGORSKA, Anna  
(74) FPA Patent Attorneys Pty Ltd

(71) GOOGLE LLC  
(11) AU-A-2023205215  
(21) 2023205215 (22) 07.01.2023  
(54) SYNCHRONIZATION SIGNAL MEASUREMENT IN A NON-TERRESTRIAL NETWORK  
(51) Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**H04W 36/00** ( 2009.01 )  
(87) WO2023/133302  
(31) 63/297,683 (32) 07.01.22 (33) US  
(43) 13.07.2023  
(72) TAO, Ming-hung; WU, Chih-hsiang  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) GOOGLE LLC  
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(54) MEASUREMENT GAP MANAGEMENT IN A NON-TERRESTRIAL NETWORK  
(51) Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**H04W 36/00** ( 2009.01 )  
**H04W 56/00** ( 2009.01 )  
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(72) TAO, Ming-hung; WU, Chih-hsiang  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) GRAPHIC PACKAGING INTERNATIONAL, LLC  
(11) AU-A-2023212838  
(21) 2023212838 (22) 27.01.2023  
(54) CARTON WITH DISPENSER  
(51) Int. Cl.

**A47K 10/18** ( 2006.01 )  
**B65D 5/16** ( 2006.01 )  
**B65D 5/54** ( 2006.01 )  
**B65D 83/08** ( 2006.01 )  
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(43) 03.08.2023  
(72) WEAVER, Sharon, M.  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) GRAPH RESEARCH LABS LIMITED  
(11) AU-A-2022395818  
(21) 2022395818 (22) 25.11.2022  
(54) RECONFIGURABLE DECLARATIVE GENERATION OF BUSINESS DATA SYSTEMS FROM A BUSINESS ONTOLOGY, INSTANCE DATA, ANNOTATIONS AND TAXONOMY  
(51) Int. Cl.  
**G06F 16/25** ( 2019.01 )  
**G06F 16/36** ( 2019.01 )  
**G06N 5/022** ( 2023.01 )  
**G06Q 10/06** ( 2023.01 )  
(87) WO2023/096504  
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(43) 01.06.2023  
(72) WATT, Dougal Alexander  
(74) ET Intellectual Property

(71) GRST INTERNATIONAL LIMITED  
(11) AU-A-2021481596  
(21) 2021481596 (22) 28.12.2021  
(54) A CONDUCTIVE COMPOSITION  
(51) Int. Cl.  
**H01M 4/62** ( 2006.01 )  
**C08F 220/06** ( 2006.01 )  
**C08F 220/46** ( 2006.01 )  
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**H01M 10/0525** ( 2010.01 )  
(87) WO2023/122977  
(43) 06.07.2023  
(72) HO, Kam Piu; JIANG, Yingkai; HUEN, Priscilla  
(74) WRAYS PTY LTD

(71) GUANGDONG JIUCCO MEDICAL EQUIPMENT CO., LTD.  
(11) AU-A-2023387751  
(21) 2023387751 (22) 06.09.2023  
(54) CONTROL METHOD FOR BREATHING MACHINE AND BREATHING MACHINE  
(51) Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61B 5/087** ( 2006.01 )  
**A61B 5/113** ( 2006.01 )  
**A61B 5/31** ( 2021.01 )  
**A61B 5/313** ( 2021.01 )  
**A61B 5/397** ( 2021.01 )  
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(43) 11.07.2024  
(72) LU, Hua; LU, Jiejing  
(74) Madderns Pty Ltd

(71) H.J. HEINZ COMPANY BRANDS LLC  
(11) AU-A-2022407043  
(21) 2022407043 (22) 08.12.2022

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 (51) Int. Cl.  
*B65D 47/06* ( 2006.01 )  
*B65D 43/16* ( 2006.01 )  
*B65D 47/20* ( 2006.01 )  
 (87) WO2023/107613  
 (31) 63/288,363 (32) 10.12.21 (33) US  
 (43) 15.06.2023  
 (72) ZIMMERMAN, Daniel M.; CLAY, John Kevin; MCCAY, James E.  
 (74) AJ PARK

(71) H.J. HEINZ COMPANY BRANDS LLC  
 (11) AU-A-2022408080  
 (21) 2022408080 (22) 08.12.2022  
 (54) CONTAINER, CLOSURE, AND METHODS OF MANUFACTURE AND USE  
 (51) Int. Cl.  
*B65D 51/18* ( 2006.01 )  
*B65D 41/04* ( 2006.01 )  
*B65D 47/24* ( 2006.01 )  
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 (31) 63/288,347 (32) 10.12.21 (33) US  
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 (72) ZIMMERMAN, Daniel M.; CLAY, John Kevin; MCCAY, James E.  
 (74) AJ PARK

(71) H3X TECHNOLOGIES INC.  
 (11) AU-A-2023207082  
 (21) 2023207082 (22) 12.01.2023  
 (54) ELECTRICAL WINDING  
 (51) Int. Cl.  
*H02K 3/40* ( 2006.01 )  
*H01F 27/32* ( 2006.01 )  
*H02K 3/34* ( 2006.01 )  
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 (43) 20.07.2023  
 (72) LIBEN, Max Meyer; MACIOLEK, Eric Paul  
 (74) Davies Collison Cave Pty Ltd

(71) HAIER SMART HOME CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER US APPLIANCE SOLUTIONS, INC.  
 (11) AU-A-2023204857  
 (21) 2023204857 (22) 04.01.2023  
 (54) MULTI-CAVITY ICE MAKING ASSEMBLY  
 (51) Int. Cl.  
*F25C 5/06* ( 2006.01 )  
*F25C 1/10* ( 2006.01 )  
*F25D 11/02* ( 2006.01 )  
 (87) WO2023/131201  
 (31) 17/570,583 (32) 07.01.22 (33) US  
 (43) 13.07.2023  
 (72) MITCHELL, Alan Joseph  
 (74) Davies Collison Cave Pty Ltd

(71) HANWHA CORPORATION  
 (11) AU-A-2023219942  
 (21) 2023219942 (22) 07.07.2023

(54) APPARATUS AND METHOD FOR OPERATING ELECTRONIC DETONATOR BLASTER WITH INTEGRATED FLIGHT FUNCTION  
 (51) Int. Cl.  
*F42D 1/00* ( 2006.01 )  
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 (72) CHOI, Jeong Ho  
 (74) WRAYS PTY LTD

(71) HEATEN AS  
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 (54) RECIPROCATING COMPRESSOR WITH NON-SELF-ACTUATED SUCTION VALVE  
 (51) Int. Cl.  
*F04B 39/08* ( 2006.01 )  
*F04B 1/02* ( 2006.01 )  
*F04B 7/00* ( 2006.01 )  
*F04B 27/00* ( 2006.01 )  
*F04B 39/10* ( 2006.01 )  
*F04B 39/12* ( 2006.01 )  
*F25B 30/02* ( 2006.01 )  
*F25B 31/02* ( 2006.01 )  
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 (31) 20220232 (32) 22.02.22 (33) NO  
 (43) 31.08.2023  
 (72) RISLÅ, Harald Nes; SCHLÜTER, Christian  
 (74) James & Wells Intellectual Property

(71) HELIX NANOTECHNOLOGIES INC  
 (11) AU-A-2023205751  
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 (54) COMPOSITIONS COMPRISING ALPHA-FACTOR PREPRO SEQUENCE AND USES THEREOF  
 (51) Int. Cl.  
*C07K 14/39* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
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 (43) 13.07.2023  
 (72) GILL, Taylor; JAMMEH, Kemo; EROSHENKO, Nikolai  
 (74) FB Rice Pty Ltd

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 (54) NITROUS OXIDE INHIBITOR  
 (51) Int. Cl.  
*C05G 3/90* ( 2020.01 )  
*C05C 1/00* ( 2006.01 )  
*C05C 9/00* ( 2006.01 )  
*C05G 5/30* ( 2020.01 )  
 (87) WO2023/121484  
 (31) 2021904230 (32) 23.12.21 (33) AU  
 (43) 29.06.2023  
 (72) NEWTON, Paul Charles Dummere; HOOGENDOORN, Coby Jane; THEOBALD, Phillip Warren; BOWATTE, Wilora Mudiyansele Saman Deepal  
 (74) AJ PARK

(71) HITACHI, LTD.  
 (11) AU-A-2022412197  
 (21) 2022412197 (22) 15.11.2022  
 (54) TRAIN CONTROL SYSTEM AND TRAIN CONTROL METHOD  
 (51) Int. Cl.  
*B61L 25/04* ( 2006.01 )  
*B60L 3/00* ( 2019.01 )  
*B61L 23/00* ( 2006.01 )  
 (87) WO2023/112578  
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 (43) 22.06.2023  
 (72) MAEKAWA, Keiji; SATO, Kiwamu  
 (74) Davies Collison Cave Pty Ltd

(71) HITACHI HIGH-TECH CORPORATION  
 (11) AU-A-2022435325  
 (21) 2022435325 (22) 19.01.2022  
 (54) BATTERY RESIDUAL VALUE MANAGEMENT SYSTEM AND BATTERY RESIDUAL VALUE MANAGEMENT METHOD  
 (51) Int. Cl.  
*G01R 31/392* ( 2019.01 )  
 (87) WO2023/139684  
 (43) 27.07.2023  
 (72) OZAWA Chiaki; FUJIMOTO Akira; FUJIMOTO Hiroya  
 (74) Davies Collison Cave Pty Ltd

(71) HOBA THERAPEUTICS APS  
 (11) AU-A-2022405685  
 (21) 2022405685 (22) 08.12.2022  
 (54) TREATMENT OF NOCICEPTIVE PAIN  
 (51) Int. Cl.  
*A61K 38/17* ( 2006.01 )  
*A61P 23/00* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 25/04* ( 2006.01 )  
 (87) WO2023/104960  
 (31) 21213798.8 (32) 10.12.21 (33) EP  
 (43) 15.06.2023  
 (72) PETERSEN, Kenneth; MUNRO, Gordon; MELDGAARD MADSEN, Torsten  
 (74) FB Rice Pty Ltd

(71) HOLOGIC, INC.  
 (11) AU-A-2022398632  
 (21) 2022398632 (22) 23.11.2022  
 (54) SYSTEMS AND METHODS FOR CORRELATING OBJECTS OF INTEREST  
 (51) Int. Cl.  
*G06T 7/30* ( 2017.01 )  
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*G06V 10/25* ( 2022.01 )  
*G06V 10/74* ( 2022.01 )  
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 (43) 01.06.2023  
 (72) CHUI, Haili; KSHIRSAGAR, Ashwini; ZHANG, Xiangwei  
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(71) HOSOKAWA YOKO CO., LTD.  
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 (51) Int. Cl.  
*B65D 81/34* ( 2006.01 )  
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 (72) OGAWA Kazuma; MORI Takamasa  
 (74) FB Rice Pty Ltd
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C12N 5/0783 ( 2010.01 )  
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*A23K 40/30* ( 2016.01 )  
*A23L 27/00* ( 2016.01 )  
*A61K 8/11* ( 2006.01 )  
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*C07K 16/28* ( 2006.01 )  
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*B65H 9/00* ( 2006.01 )  
*B65H 5/06* ( 2006.01 )  
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*G07D 11/17* ( 2019.01 )  
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*F03D 80/30* ( 2016.01 )  
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 (51) Int. Cl.  
*A61K 38/22* ( 2006.01 )  
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 A61K 31/497 ( 2006.01 )  
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 FENG, Jun; HE, Feng  
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 (54) CRYSTALLINE FORM OF GLP-1 RECEPTOR AGONIST AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
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 A61K 31/454 ( 2006.01 )  
 A61P 3/00 ( 2006.01 )  
 A61P 3/10 ( 2006.01 )
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 (54) ANTI-DLL3 ANTIBODY AND PHARMACEUTICAL USE THEREOF, AND ANTIBODY-DRUG CONJUGATE CONTAINING ANTI-DLL3 ANTIBODY  
 (51) Int. Cl.  
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 (54) STENT INSERTION APPARATUS AND METHODS  
 (51) Int. Cl.  
 A61F 2/95 ( 2013.01 )  
 A61B 90/00 ( 2016.01 )  
 A61B 90/30 ( 2016.01 )  
 A61F 2/04 ( 2013.01 )  
 A61F 2/82 ( 2013.01 )  
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 A61M 25/00 ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (51) Int. Cl.  
 C07K 7/06 ( 2006.01 )  
 A61K 8/64 ( 2006.01 )  
 A61K 38/08 ( 2019.01 )  
 A61K 38/10 ( 2006.01 )  
 A61K 38/16 ( 2006.01 )  
 A61P 1/02 ( 2006.01 )  
 A61P 1/04 ( 2006.01 )  
 A61P 17/00 ( 2006.01 )  
 A61P 17/02 ( 2006.01 )  
 A61P 17/18 ( 2006.01 )  
 A61Q 19/00 ( 2006.01 )  
 A61Q 19/02 ( 2006.01 )  
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 C25B 1/23 ( 2021.01 )  
 B01D 53/14 ( 2006.01 )  
 B01D 53/62 ( 2006.01 )  
 B01D 53/78 ( 2006.01 )  
 B01D 53/81 ( 2006.01 )  
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 F15B 1/26 ( 2006.01 )  
 B66F 9/075 ( 2006.01 )
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 (54) B7-H4 ANTIBODIES AND ANTI-B7-H4 ANTIBODY/IL-15 FUSION PROTEINS  
 (51) Int. Cl.

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**A61P 35/00** ( 2006.01 )  
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**(54)** METHOD FOR STORING REDUCED COENZYME Q10  
**(51)** Int. Cl.  
**A61K 31/122** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**C07C 46/10** ( 2006.01 )  
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**(54)** METHOD FOR PRODUCING A FERMENTED MILK PRODUCT  
**(51)** Int. Cl.  
**A23C 9/12** ( 2006.01 )  
**A23C 9/127** ( 2006.01 )  
**A23C 17/02** ( 2006.01 )  
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**(54)** METHOD FOR THE PRODUCTION OF ALUMINIUM HYDROXIDE FROM BAUXITE  
**(51)** Int. Cl.  
**C01F 7/142** ( 2022.01 )  
**C01F 7/441** ( 2022.01 )  
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**(54)** RAPID T-CELL MANUFACTURING  
**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
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**(54)** SEPARABLE FILTER HOLDER FOR AN ESPRESSO COFFEE MACHINE  
**(51)** Int. Cl.  
**A47J 31/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**A47J 31/06** ( 2006.01 )  
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**(54)** METHOD FOR DISPLAYING INFORMATION  
**(51)** Int. Cl.  
**G01F 15/063** ( 2022.01 )  
**G01F 15/00** ( 2006.01 )  
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**(72)** FELD, Sven  
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**(54)** DATA TRANSMISSION METHOD  
**(51)** Int. Cl.  
**H04Q 9/00** ( 2006.01 )  
**H04W 52/02** ( 2009.01 )  
**H04W 52/14** ( 2009.01 )  
**H04W 52/24** ( 2009.01 )  
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**(54)** FLAME RETARDANT AND SYNERGIST COMBINED FOR USE WITH THERMOPLASTICS  
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**C08K 3/32** ( 2006.01 )  
**C08K 5/5317** ( 2006.01 )  
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**(54)** SLIDE CLEANING APPARATUS AND METHOD  
**(51)** Int. Cl.  
**B08B 11/02** ( 2006.01 )  
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**B25J 11/00** ( 2006.01 )  
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**G01N 1/28** ( 2006.01 )  
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**(54)** SAMPLE PROCESSING ASSEMBLY FOR TREATMENT OF A SAMPLE ON A SUBSTRATE  
**(51)** Int. Cl.  
**G01N 1/31** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )  
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**(72)** ME, Phong Tan  
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*H04N 21/845* ( 2011.01 )  
*G06V 10/40* ( 2022.01 )  
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*G01L 1/22* ( 2006.01 )  
*F16L 13/14* ( 2006.01 )  
*F16L 21/00* ( 2006.01 )  
*F16L 21/04* ( 2006.01 )  
*F16L 25/12* ( 2006.01 )  
*G01D 11/24* ( 2006.01 )  
*G01D 11/30* ( 2006.01 )  
*G08C 17/02* ( 2006.01 )  
*H01Q 1/22* ( 2006.01 )  
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 (74) Murray Trento & Associates Pty Ltd

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*B01J 23/00* ( 2006.01 )  
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*C01B 3/40* ( 2006.01 )  
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 (54) SHOE CARE APPARATUS AND METHOD FOR CONTROLLING SAME  
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*A47L 23/20* ( 2006.01 )  
*A47B 61/04* ( 2006.01 )  
*A61L 2/07* ( 2006.01 )  
*A61L 2/24* ( 2006.01 )  
*F26B 21/00* ( 2006.01 )  
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*C22B 3/08* ( 2006.01 )  
*C22B 3/00* ( 2006.01 )  
*C22B 3/10* ( 2006.01 )  
*C22B 3/44* ( 2006.01 )  
*C22B 11/00* ( 2006.01 )  
*C22B 15/00* ( 2006.01 )  
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 (54) COMPOSITIONS AND METHODS FOR DISRUPTION OF BIOFILMS USING FRACTIONATED HONEY

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*A61K 35/644* ( 2015.01 )  
*A01N 63/14* ( 2020.01 )  
*A01P 1/00* ( 2006.01 )  
*A61L 2/18* ( 2006.01 )  
*A61L 2/22* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
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*B21D 7/024* ( 2006.01 )  
*B21D 11/12* ( 2006.01 )  
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 (72) DEL FABRO, Giorgio  
 (74) Baxter Patent Attorneys Pty Ltd

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 (11) AU-A-2022419371  
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 (54) MULTIFUNCTIONAL MOLECULES BINDING TO TCR AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 35/12* ( 2015.01 )  
*A61K 35/17* ( 2015.01 )  
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*C12N 15/09* ( 2006.01 )  
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 (54) COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR PAYMENT ROUTING  
 (51) Int. Cl.  
*G06Q 20/14* ( 2012.01 )  
*G06Q 20/02* ( 2012.01 )  
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 G06F 9/54 ( 2006.01 )  
 G06Q 20/02 ( 2012.01 )  
 H04L 9/40 ( 2022.01 )  
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 A61C 1/08 ( 2006.01 )  
 A61C 9/00 ( 2006.01 )  
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 A61P 17/00 ( 2006.01 )  
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 A61B 5/053 ( 2021.01 )  
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 G16H 15/00 ( 2018.01 )  
 G16H 20/30 ( 2018.01 )  
 G16H 40/63 ( 2018.01 )  
 G16H 50/20 ( 2018.01 )  
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 C07K 14/605 ( 2006.01 )  
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**H01G 9/048** ( 2006.01 )  
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B01F 23/236 ( 2022.01 )  
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A24F 40/20 ( 2020.01 )  
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 A61M 16/06 ( 2006.01 )  
 G01N 33/74 ( 2006.01 )  
 G16H 10/20 ( 2018.01 )  
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*C12N 5/00* ( 2006.01 )  
*C08B 37/08* ( 2006.01 )  
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 (51) Int. Cl.

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 (51) Int. Cl.

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(54) BENZOTHAZOLE DERIVATIVE AS A UREASE INHIBITOR FOR FERTILIZER APPLICATION  
(51) Int. Cl.  
**C05C 9/00** ( 2006.01 )  
**C05C 1/00** ( 2006.01 )  
**C05C 1/02** ( 2006.01 )  
**C05C 3/00** ( 2006.01 )  
**C05G 3/90** ( 2020.01 )  
**C05G 5/30** ( 2020.01 )
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(31) 21212331.9 (32) 03.12.21 (33) EP  
(43) 08.06.2023  
(72) HEGDE, Ravi; TANWAR, Akhilesh; MARKANDAY, Meghna; BELLA, Ridha  
(74) FB Rice Pty Ltd
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- (71) SAGE THERAPEUTICS, Inc.  
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(21) 2022409329 (22) 12.12.2022  
(54) NEUROACTIVE STEROID FOR THE TREATMENT OF HUNTINGTON'S DISEASE  
(51) Int. Cl.  
**A61K 31/575** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )
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(31) 63/289,081 (32) 13.12.21 (33) US  
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(72) QUIRK, Michael C.; KOENIG, Aaron Michael  
(74) Spruson & Ferguson
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(11) AU-A-2022426850  
(21) 2022426850 (22) 29.12.2022  
(54) ABRASIVE ARTICLES AND METHODS OF FORMING SAME  
(51) Int. Cl.  
**B24D 11/02** ( 2006.01 )  
**B24D 3/02** ( 2006.01 )  
**C09K 3/14** ( 2006.01 )
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(11) AU-A-2022440164  
(21) 2022440164 (22) 14.12.2022  
(54) ELECTRONIC DEVICE AND METHOD FOR CHANGING DISPLAY AREA OF DISPLAY  
(51) Int. Cl.  
**H04M 1/72454** ( 2021.01 )  
**G06F 1/16** ( 2006.01 )  
**G06F 3/041** ( 2006.01 )  
**G06F 3/0484** ( 2022.01 )  
**G06F 3/0487** ( 2023.01 )  
**H04M 1/02** ( 2006.01 )
- (87) WO2023/153617  
(31) 10-2022-0019208 (32) 14.02.22 (33) KR  
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(51) Int. Cl.  
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**A61K 35/17** ( 2015.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 5/48** ( 2006.01 )
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(31) 63/353,534 (32) 17.06.22 (33) US  
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(72) SCHREPFFER, Sonja; MILLMAN, Jeffrey R.  
(74) RnB IP Pty Ltd
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(11) AU-A-2022404576  
(21) 2022404576 (22) 03.08.2022  
(54) TOWING ARRANGEMENT OF A BATTERY-POWERED MINING MACHINE AND A BATTERY-POWERED MINING MACHINE  
(51) Int. Cl.  
**B60D 1/24** ( 2006.01 )  
**E02F 9/08** ( 2006.01 )
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(31) 21213057.9 (32) 08.12.21 (33) EP  
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(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2022429764  
(21) 2022429764 (22) 30.12.2022  
(54) MINING VEHICLE CONTROL  
(51) Int. Cl.  
**B60L 58/13** ( 2019.01 )  
**B60L 58/12** ( 2019.01 )
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(31) 21218339.6 (32) 30.12.21 (33) EP  
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(72) SIIVONEN, Lauri  
(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2022399571  
(21) 2022399571 (22) 29.11.2022  
(54) HUMAN METAPNEUMOVIRUS VACCINES  
(51) Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61K 39/155** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )
- (87) WO2023/102373  
(31) 63/284,405 (32) 30.11.21 (33) US  
(43) 08.06.2023  
(72) CHAN, Yvonne; SASMAL, Sukanya; STUEBLER, Antonia; KISHKO, Michael; MUNDLE, Sophia; ZHANG, Linong; DINAPOLI, Josh; ALAMARES-SAPUAY, Judith; ANOSOVA, Natalie; CHIVUKULA, Sudha; DANZ, Hillary; STRUGNELL, Tod; GROPPPO, Rachel  
(74) Griffith Hack
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(21) 2022399574 (22) 29.11.2022  
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(51) Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61K 39/155** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )

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**C07K 14/005** ( 2006.01 )  
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**(43)** 08.06.2023  
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- (71)** SEAWAY 7 ENGINEERING B.V.  
**(11)** AU-A-2022410368  
**(21)** 2022410368 **(22)** 15.12.2022  
**(54)** METHOD FOR INSTALLATION OF A TRANSITION PIECE ON A MONOPILE FOUNDATION  
**(51)** Int. Cl.  
**F03D 13/10** ( 2016.01 )  
**E02B 17/00** ( 2006.01 )  
**F03D 13/25** ( 2016.01 )  
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**(72)** DYSVIK, Jan  
**(74)** Allens Patent & Trade Mark Attorneys
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**(11)** AU-A-2023258396  
**(21)** 2023258396 **(22)** 24.02.2023  
**(54)** TEACHING TOOL ENABLING INTEGRATED PERCEPTION EDUCATION FOR VISUAL AND TACTILE SENSATIONS  
**(51)** Int. Cl.  
**G09B 21/00** ( 2006.01 )  
**G09B 1/10** ( 2006.01 )  
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**(43)** 11.07.2024  
**(72)** CHO, Ji Yun  
**(74)** LAMINAR IP PTY LTD
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**(54)** SOIL CARBON SENSOR AND SENSING ARRANGEMENT  
**(51)** Int. Cl.  
**G01N 33/24** ( 2006.01 )  
**G01N 27/02** ( 2006.01 )  
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**(31)** 2022902091 **(32)** 26.07.22 **(33)** AU  
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**(72)** LAWRENCE, Wesley; GIRI, Ashok; PRASAD, Shalini; DHAMU, Vikram Narayanan  
**(74)** Patenteur Pty Ltd
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**(11)** AU-A-2023387754  
**(21)** 2023387754 **(22)** 30.06.2023
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- (54)** PORTABLE PHOTOVOLTAIC ARRAY GENERATOR SET CONTAINER AND UTILIZATION METHOD THEREOF  
**(51)** Int. Cl.  
**H02S 10/40** ( 2014.01 )  
**H02S 20/30** ( 2014.01 )  
**H02S 30/20** ( 2014.01 )  
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**(74)** GLMR
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- (71)** SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.  
**(11)** AU-A-2023207395  
**(21)** 2023207395 **(22)** 16.01.2023  
**(54)** PYRIDINE-CONTAINING POLYCYCLIC DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 213/64** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61K 31/497** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61K 31/513** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 213/72** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
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**(87)** WO2023/134764  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2022429156  
**(21)** 2022429156 **(22)** 29.12.2022  
**(54)** ANTI- $\beta$ KLOTHO ANTIBODY AND USE THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 3/08** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**(87)** WO2023/125745  
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**(72)** FENG, Xu; SONG, Liping; FAN, Yi; MENG, Yali  
**(74)** FB Rice Pty Ltd
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- (71)** SHANGHAI MABGEN BIOTECH LTD.  
**(11)** AU-A-2023212240  
**(21)** 2023212240 **(22)** 19.01.2023  
**(54)** PHARMACEUTICAL COMPOSITION COMPRISING ANTI-CD79B ANTI-BODY-DRUG CONJUGATE AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(43)** 03.08.2023  
**(72)** SHEN, Lijun; ZHAO, Zhilong; TANG, Chenxiang; LI, Lei  
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- (71)** SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.  
**(11)** AU-A-2023210941  
**(21)** 2023210941 **(22)** 18.01.2023  
**(54)** SALT TYPE AND CRYSTAL FORM OF COMPLEMENT FACTOR B INHIBITOR, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07D 401/02** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61K 31/475** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**C07D 209/08** ( 2006.01 )  
**C07D 211/00** ( 2006.01 )  
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**(72)** LUAN, Linbo; TIAN, Yong; YAO, Yuanshan; CHEN, Yongkai; WANG, Chaodong  
**(74)** WRAYS PTY LTD
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- (71)** SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
**(11)** AU-A-2023211850  
**(21)** 2023211850 **(22)** 30.01.2023  
**(54)** METHODS TO PROVIDE ELECTRIC POWER FROM RENEWABLE ENERGY EQUIPMENT TO AN ELECTRICAL LOAD  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**(87)** WO2023/144359  
**(31)** 202154291.3 **(32)** 31.01.22 **(33)** EP  
**(43)** 03.08.2023  
**(72)** SUN, Yin; LUNSHOF, Martijn  
**(74)** Spruson & Ferguson
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- (71)** SHENZHEN ROBOROCK INNOVATION TECHNOLOGY CO., LTD.  
**(11)** AU-A-2022400894  
**(21)** 2022400894 **(22)** 30.11.2022  
**(54)** CLOTHING TREATMENT DEVICE  
**(51)** Int. Cl.  
**D06F 25/00** ( 2006.01 )

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**(74)** Halfords IP
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- (71)** SIEMENS ENERGY GLOBAL GMBH & CO. KG  
**(11)** AU-A-2022406862  
**(21)** 2022406862 **(22)** 25.11.2022  
**(54)** METHOD OF OPERATING A MICROGRID  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**(87)** WO2023/104543  
**(31)** 21213693.1 **(32)** 10.12.21 **(33)** EP  
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**(72)** BAUER, Florian; HERMSDORF, Christian; WIESENMÜLLER, Wolfgang; ZABLOCKI, Jerzy; DUBSKY, Torsten; WICH, Thomas  
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- (71)** SIEMENS ENERGY GLOBAL GMBH & CO. KG; THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY; SIEMENS ENERGY, INC.  
**(11)** AU-A-2022434029  
**(21)** 2022434029 **(22)** 13.01.2022  
**(54)** ENERGY CONVERSION SYSTEM WITH A CONTINUOUS-FLOW METAL-WATER REACTOR  
**(51)** Int. Cl.  
**B01J 3/00** ( 2006.01 )  
**B01J 3/04** ( 2006.01 )  
**B01J 4/00** ( 2006.01 )  
**B01J 7/02** ( 2006.01 )  
**B01J 16/00** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**C01B 3/08** ( 2006.01 )  
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**(43)** 20.07.2023  
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**(74)** Spruson & Ferguson
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- (71)** SISCAPA ASSAY TECHNOLOGIES, INC.  
**(11)** AU-A-2022400954  
**(21)** 2022400954 **(22)** 01.12.2022  
**(54)** ENRICHED PEPTIDE DETECTION BY SINGLE MOLECULE SEQUENCING  
**(51)** Int. Cl.  
**C40B 40/10** ( 2006.01 )  
**C12Q 1/6874** ( 2018.01 )  
**G01N 33/48** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
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63/348,213 02.06.22 US  
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63/373,875 30.08.22 US  
**(43)** 08.06.2023  
**(72)** ANDERSON, Norman Leigh; RAZAVI, Morteza  
**(74)** SR Intellectual Property
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- (71)** SKILLZ PLATFORM INC.  
**(11)** AU-A-2022429825  
**(21)** 2022429825 **(22)** 28.12.2022  
**(54)** SYSTEM AND METHOD FOR REAL-TIME USER RESPONSE PREDICTION FOR CONTENT PRESENTATIONS ON CLIENT DEVICES  
**(51)** Int. Cl.  
**G06Q 30/0242** ( 2023.01 )  
**G06Q 30/0251** ( 2023.01 )  
**(87)** WO2023/129611  
**(31)** 63/266,186 **(32)** 30.12.21 **(33)** US  
**(43)** 06.07.2023  
**(72)** RAUSH, Igor; BUDAGYAN, Levon  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** SKILLZ PLATFORM INC.  
**(11)** AU-A-2022429826  
**(21)** 2022429826 **(22)** 28.12.2022  
**(54)** SYSTEM AND METHOD FOR REMOTELY INTERACTING WITH CLOUD-BASED CLIENT APPLICATIONS  
**(51)** Int. Cl.  
**G06F 9/50** ( 2006.01 )  
**H04L 67/02** ( 2022.01 )  
**(87)** WO2023/129613  
**(31)** 63/266,189 **(32)** 30.12.21 **(33)** US  
**(43)** 06.07.2023  
**(72)** GLORY, Meidad; WEISBERG, Aharon; FEAD, Andrew  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** SKYSURFER INTERNATIONAL LIMITED  
**(11)** AU-A-2023218850  
**(21)** 2023218850 **(22)** 07.02.2023  
**(54)** AMUSEMENT RIDE  
**(51)** Int. Cl.  
**B61B 12/10** ( 2006.01 )  
**A63G 21/20** ( 2006.01 )  
**A63G 21/22** ( 2006.01 )  
**B61B 7/06** ( 2006.01 )  
**B61B 10/02** ( 2006.01 )  
**B61B 11/00** ( 2006.01 )  
**B61B 12/00** ( 2006.01 )  
**B61B 12/02** ( 2006.01 )  
**B61B 12/12** ( 2006.01 )  
**(87)** WO2023/153942  
**(31)** 785074 **(32)** 11.02.22 **(33)** NZ  
**(43)** 17.08.2023  
**(72)** CUMMINS, Harry Robert John; CUMMINS, Robert James; REES, Dav-
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- id John; SARRATT, Andrew Michael; SCOTT, Peter John  
**(74)** AJ PARK
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- (71)** SMART INDUSTRIES CORPORATION  
**(11)** AU-A-2022407549  
**(21)** 2022407549 **(22)** 09.12.2022  
**(54)** PRIZE ACQUISITION ARCADE GAME WITH ROBOT  
**(51)** Int. Cl.  
**A63F 9/30** ( 2006.01 )  
**G07F 17/32** ( 2006.01 )  
**G07F 17/34** ( 2006.01 )  
**(87)** WO2023/108134  
**(31)** 63/287,886 **(32)** 09.12.21 **(33)** US  
63/370,206 02.08.22 US  
**(43)** 15.06.2023  
**(72)** SMART, Jeffrey T.  
**(74)** Spruson & Ferguson
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- (71)** SNAP-ON INCORPORATED  
**(11)** AU-A-2023219117  
**(21)** 2023219117 **(22)** 08.02.2023  
**(54)** METHOD AND SYSTEM FOR SERVICING A VEHICLE USING A TEST SET  
**(51)** Int. Cl.  
**G01M 17/007** ( 2006.01 )  
**G07C 5/00** ( 2006.01 )  
**G07C 5/08** ( 2006.01 )  
**(87)** WO2023/154739  
**(31)** 17/667,997 **(32)** 09.02.22 **(33)** US  
**(43)** 17.08.2023  
**(72)** MERG, Patrick, S.; BROZOVICH, Roy, S.; FOREMAN, Jacob, G.; COVINGTON, Joshua, C.; KELLEY, Brett, A.; GRAMMATICO, Joseph, R.; LEWIS, Bradley, R.; WARD, Thomas, J.; COLEMAN, Damien, J.  
**(74)** Spruson & Ferguson
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- (71)** SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
**(11)** AU-A-2023206025  
**(21)** 2023206025 **(22)** 10.01.2023  
**(54)** A CONFECTIONERY COMPOSITION  
**(51)** Int. Cl.  
**A23G 1/30** ( 2006.01 )  
**A23G 1/54** ( 2006.01 )  
**A23G 3/34** ( 2006.01 )  
**A23G 3/42** ( 2006.01 )  
**A23G 3/54** ( 2006.01 )  
**(87)** WO2023/131716  
**(31)** 22150731.2 **(32)** 10.01.22 **(33)** EP  
**(43)** 13.07.2023  
**(72)** LAZIDIS, Aristodimos; WHITEHOUSE, Andrew Steven  
**(74)** Spruson & Ferguson
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- (71)** SOLENIS TECHNOLOGIES CAYMAN, L.P.  
**(11)** AU-A-2022421141  
**(21)** 2022421141 **(22)** 07.12.2022  
**(54)** COATING COMPOSITIONS FOR USE IN CREPED PAPER PRODUCT MANUFACTURING AND METHODS FOR PRODUCING THE SAME  
**(51)** Int. Cl.

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**C08L 77/00** ( 2006.01 )  
**D21H 21/20** ( 2006.01 )  
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**(31)** 63/265,843 **(32)** 22.12.21 **(33)** US  
 18/057,823 22.11.22 US  
**(43)** 29.06.2023  
**(72)** CRISP, Mark Tracey; PATTERSON,  
 Timothy  
**(74)** AJ PARK
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- (71)** SOLENIS TECHNOLOGIES CAYMAN,  
 L.P.  
**(11)** AU-A-2022421219  
**(21)** 2022421219 **(22)** 21.12.2022  
**(54)** METHOD FOR CONTROLLING  
 VOLATILE FATTY ACID CONTENT IN  
 PULP  
**(51)** Int. Cl.  
**D21H 21/04** ( 2006.01 )  
**A01N 59/00** ( 2006.01 )  
**C02F 3/28** ( 2023.01 )  
**D21H 21/36** ( 2006.01 )  
**(87)** WO2023/122637  
**(31)** 63/265,845 **(32)** 22.12.21 **(33)** US  
**(43)** 29.06.2023  
**(72)** CARRIDO, Corinne E.; BORKAR,  
 Sachin; CAREY, William S.  
**(74)** AJ PARK
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- (71)** SOLUNA HOLDINGS, INC.  
**(11)** AU-A-2022420621  
**(21)** 2022420621 **(22)** 23.12.2022  
**(54)** SYSTEMS AND METHODS OF MAIN-  
 TAINING DATA CENTER TEMPERAT-  
 URE  
**(51)** Int. Cl.  
**H05K 7/20** ( 2006.01 )  
**G06F 1/20** ( 2006.01 )  
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**(11)** AU-A-2022424113  
**(21)** 2022424113 **(22)** 29.12.2022  
**(54)** NEXT-GENERATION SEQUENCING  
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**(51)** Int. Cl.  
**C12Q 1/6813** ( 2018.01 )  
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 SEGHETTI, David; JENKO, Kathryn  
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**(11)** AU-A-2023217076  
**(21)** 2023217076 **(22)** 10.02.2023  
**(54)** CONCRETE SCREEDING MACHINE  
 WITH WALL EDGE SCREEDING FEAT-  
 URE
- (51)** Int. Cl.  
**E01C 19/38** ( 2006.01 )  
**E01C 19/22** ( 2006.01 )  
**E01C 19/26** ( 2006.01 )  
**E01C 23/00** ( 2006.01 )  
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**(31)** 63/267,951 **(32)** 14.02.22 **(33)** US  
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**(54)** MICROWAVE-PROCESSED, UL-  
 TRA-RAPID QUENCHED LITHI-  
 UM-RICH LITHIUM MANGANESE  
 NICKEL OXIDE AND METHODS OF  
 MAKING THE SAME  
**(51)** Int. Cl.  
**H01M 4/04** ( 2006.01 )  
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**H01M 4/485** ( 2010.01 )  
**H01M 4/505** ( 2010.01 )  
**H01M 4/525** ( 2010.01 )  
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**(31)** 63/296,243 **(32)** 04.01.22 **(33)** US  
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 Wei  
**(74)** Pizzeyes Patent and Trade Mark Attor-  
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**(11)** AU-A-2022424913  
**(21)** 2022424913 **(22)** 29.06.2022  
**(54)** PATIENT TRANSPORT APPARATUS  
 WITH HANDLE ASSEMBLY  
**(51)** Int. Cl.  
**A61G 5/06** ( 2006.01 )  
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**(54)** PATIENT TRANSPORT APPARATUS  
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 WOLLONGONG; SWINBURNE UNI-  
 VERSITY OF TECHNOLOGY; THE  
 UNIVERSITY OF MELBOURNE  
**(11)** AU-A-2022401058  
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**(54)** NOVEL POLYMER  
**(51)** Int. Cl.  
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**A61L 27/20** ( 2006.01 )  
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**A61L 27/52** ( 2006.01 )  
**C08B 37/00** ( 2006.01 )  
**C08J 3/075** ( 2006.01 )  
**C08J 3/24** ( 2006.01 )  
**C08J 3/28** ( 2006.01 )  
**C12N 5/077** ( 2010.01 )  
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 O'CONNELL, Cathal, D.; DI BELLA,  
 Claudia; MOULTON, Simon, Edward  
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 LTD.; SUMITOMO ELECTRIC TOY-  
 AMA CO., LTD.  
**(11)** AU-A-2022423925  
**(21)** 2022423925 **(22)** 23.12.2022  
**(54)** METAL SHEET, BATTERY, NICK-  
 EL-ZINC BATTERY AND METHOD  
 FOR MANUFACTURING METAL  
 SHEET  
**(51)** Int. Cl.  
**H01M 4/74** ( 2006.01 )  
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**(72)** TAKEYAMA Tomoharu; OKUNO  
 Kazuki; MAJIMA Masatoshi;  
 TSUCHIDA Hitoshi  
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 LTD.; TOYOBO MC Corporation  
**(11)** AU-A-2022430995  
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**(54)** ELECTRODE, BATTERY CELL, CELL  
 STACK, AND REDOX-FLOW BAT-  
 TERY SYSTEM  
**(51)** Int. Cl.  
**H01M 4/96** ( 2006.01 )  
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**(31)** 2022-000993 **(32)** 06.01.22 **(33)** JP  
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 SAWADA Shin-ichi; IGARASHI Takashi;  
 IWAHARA Ryohei  
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*C12G 3/06* ( 2006.01 )  
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 (54) BEVERAGE CONTAINING STEVIOL GLYCOSIDES  
 (51) Int. Cl.  
*C12G 3/04* ( 2019.01 )  
*A23L 2/00* ( 2006.01 )  
*A23L 2/56* ( 2006.01 )  
*A23L 2/60* ( 2006.01 )  
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 (54) BEVERAGE CONTAINING STEVIOL GLYCOSIDE  
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*C12G 3/04* ( 2019.01 )  
*A23L 2/00* ( 2006.01 )  
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 (54) HIGH TEMPERATURE-STABLE AGROCHEMICAL COMPOSITION  
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 (54) METHOD FOR CONTROLLING WEEDS  
 (51) Int. Cl.  
*A01N 37/02* ( 2006.01 )  
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 (54) HERBICIDAL COMPOUNDS  
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 (54) PHOTOVOLTAIC MODULE  
 (51) Int. Cl.  
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 (54) ANTENNA DEVICE WITH TWO DIPOLE ARRAYS AND ASSOCIATED COMMUNICATION SYSTEM  
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*H01Q 1/12* ( 2006.01 )  
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*B28B 1/00* ( 2006.01 )  
*B22F 10/10* ( 2021.01 )  
*B22F 10/30* ( 2021.01 )  
*B29C 64/106* ( 2017.01 )  
*B29C 64/118* ( 2017.01 )  
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*B33Y 10/00* ( 2015.01 )  
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 (72) LESCOCHE, Philippe; ANQUETIL, Jérôme  
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 (54) METHODS, DEVICES, AND SYSTEMS FOR FACILITATING MOVEMENT OF MATERIAL  
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*B65G 61/00* ( 2006.01 )  
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 (54) USER CONSENT BASED MODEL PROVISIONING  
 (51) Int. Cl.  
*H04L 41/14* ( 2022.01 )  
*H04L 41/16* ( 2022.01 )  
*H04W 24/02* ( 2009.01 )  
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 (54) METHOD FOR DETECTING EQUINE BONE INJURY  
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*A61B 5/055* ( 2006.01 )  
*A61B 5/15* ( 2006.01 )  
*A61B 6/03* ( 2006.01 )  
*A61B 10/00* ( 2006.01 )  
*A61D 99/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (54) SYSTEMS AND METHODS FOR PREDICTING SOIL CARBON CONTENT  
 (51) Int. Cl.  
*G16C 20/70* ( 2019.01 )  
*G01N 21/65* ( 2006.01 )  
*G16C 20/20* ( 2019.01 )  
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 (11) AU-A-2022402249  
 (21) 2022402249 (22) 02.12.2022  
 (54) COMPOSITIONS AND METHODS FOR EFFICIENT IN VIVO DELIVERY  
 (51) Int. Cl.  
*C07K 14/005* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 7/00* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/62* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
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 (54) SELF-ASSEMBLING VIRUS-LIKE PARTICLES FOR DELIVERY OF PRIME EDITORS AND METHODS OF MAKING AND USING SAME  
 (51) Int. Cl.  
*C07K 14/005* ( 2006.01 )  
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*C12N 7/00* ( 2006.01 )  
*C12N 9/12* ( 2006.01 )  
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 (21) 2023209046 (22) 18.01.2023  
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 (51) Int. Cl.  
 A61C 17/34 ( 2006.01 )  
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 (74) AJ PARK
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 (54) A CONNECTOR-HOUSING ASSEMBLY AND ELECTRICALLY OPERATED PERSONAL CARE IMPLEMENT  
 (51) Int. Cl.  
 A46B 5/00 ( 2006.01 )  
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 (31) 22152421.8 (32) 20.01.22 (33) EP  
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 (72) JUNGNIKEL, Uwe; GOETZ, Nicolas  
 (74) AJ PARK
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 (51) Int. Cl.  
 A61C 17/22 ( 2006.01 )  
 A61C 17/34 ( 2006.01 )  
 (87) WO2023/141439  
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 (72) JUNGNIKEL, Uwe; GOETZ, Nicolas  
 (74) AJ PARK
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 A61C 17/22 ( 2006.01 )
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 (54) TETRAHYDROPYRIDOPYRIMIDINES AND RELATED ANALOGS FOR INHIBITING YAP/TAZ-TEAD  
 (51) Int. Cl.  
 A61K 31/505 ( 2006.01 )  
 A61K 31/395 ( 2006.01 )  
 A61K 31/4162 ( 2006.01 )  
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 (72) VANDERHOYDONCK, Bart; MARCHAND, Arnaud; SMETS, Wim; CANDI, Aurélie; VERSELE, Matthias  
 (74) FB Rice Pty Ltd
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 C07D 239/72 ( 2006.01 )  
 C07D 239/74 ( 2006.01 )  
 A61K 31/505 ( 2006.01 )  
 A61K 31/517 ( 2006.01 )  
 A61P 7/04 ( 2006.01 )  
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 A63B 22/02 ( 2006.01 )  
 A63B 21/005 ( 2006.01 )  
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 (72) SMITH, Adam; TIMONIN, Iliia; EPSTEIN, Neil; KOSKY, Adam  
 (74) WRAYS PTY LTD
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 (54) METHODS, SYSTEMS, AND DEVICES FOR VISION TESTING  
 (51) Int. Cl.  
 A61B 3/10 ( 2006.01 )  
 A61B 3/028 ( 2006.01 )  
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 (72) ELSNER, Ann, E.  
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 (21) 2022416515 (22) 13.12.2022  
 (54) CD5 MODIFIED CELLS COMPRISING CHIMERIC ANTIGEN RECEPTORS (CARs) FOR TREATMENT OF SOLID TUMORS  
 (51) Int. Cl.  
 A61K 35/17 ( 2015.01 )  
 A61P 35/00 ( 2006.01 )  
 C07K 14/725 ( 2006.01 )  
 C07K 16/46 ( 2006.01 )  
 C12N 15/00 ( 2006.01 )  
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 (72) RUELLA, Marco  
 (74) RnB IP
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 (11) AU-A-2022435116  
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 (54) METHODS FOR TREATMENT OF ORNITHINE TRANSCARBAMYLASE (OTC) DEFICIENCY  
 (51) Int. Cl.  
 C12N 15/86 ( 2006.01 )  
 C07K 14/075 ( 2006.01 )  
 C12N 9/10 ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
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 (54) ACCELERATION MEASUREMENT SYSTEM  
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**G01P 15/105** ( 2006.01 )  
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**G01P 15/093** ( 2006.01 )  
**G01P 15/18** ( 2013.01 )  
**G01R 33/032** ( 2006.01 )  
**G01V 7/04** ( 2006.01 )  
**H10N 97/00** ( 2023.01 )  
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 (72) RABEAU, James  
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 (54) VACCINE ADJUVANT AGENT CONTAINING POLYACRYLIC ACID POLYMER AND USE OF SAME  
 (51) Int. Cl.  
**A61K 39/39** ( 2006.01 )  
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**A61P 31/14** ( 2006.01 )  
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 (54) SOLAR CELL AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**H01L 31/18** ( 2006.01 )  
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 (72) XU, Wenzhou; XING, Guoqiang  
 (74) James & Wells Intellectual Property

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 (54) PULVERIZER WITH OUTPUT FLOW CONTROL AND METHODS FOR CONTROLLING OUTPUT FLOW IN A PULVERIZER  
 (51) Int. Cl.  
**B02C 13/286** ( 2006.01 )  
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 (72) Iuchi Akira  
 (74) ET Intellectual Property

(71) TPE MIDSTREAM LLC  
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 (54) JUMPER LINES WITH PUMPS  
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 (72) SAHM, Douglas A.  
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**B01F 33/45** ( 2022.01 )  
**B65D 23/00** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**G09F 3/02** ( 2006.01 )  
**H04M 17/00** ( 2006.01 )  
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 (72) MCLAURINE, II, Mark; TOOLEY, Christopher Thomas  
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(71) TRINA SOLAR CO., LTD.  
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 (54) SECTIONAL MATERIAL PRESSING MEMBER, SECTIONAL MATERIAL, PHOTOVOLTAIC MODULE FRAME, PHOTOVOLTAIC SYSTEM AND ASSEMBLING METHOD THEREOF  
 (51) Int. Cl.  
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 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2023246405  
 (21) 2023246405 (22) 15.03.2023  
 (54) COMPOUND USED AS KINASE INHIBITOR AND USE THEREOF  
 (51) Int. Cl.  
**C07D 403/14** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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 (43) 05.10.2023  
 (72) LI, Jun; WU, Yusheng; NIU, Chengshan; GUO, Zhongwei; LIANG, Apeng  
 (74) FPA Patent Attorneys Pty Ltd

(71) UMICORE  
 (11) AU-A-2022399891  
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 (54) A METHOD FOR IRON AND COPPER REMOVAL FROM SOLUTION USING METALLIC REAGENTS  
 (51) Int. Cl.  
**C22B 3/06** ( 2006.01 )  
**C22B 3/46** ( 2006.01 )  
**C22B 15/00** ( 2006.01 )  
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 (11) AU-A-2022400179  
 (21) 2022400179 (22) 28.11.2022  
 (54) SELECTIVE LEACHING  
 (51) Int. Cl.  
**C22B 3/06** ( 2006.01 )  
**C22B 1/02** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 15/00** ( 2006.01 )  
**H01M 10/54** ( 2006.01 )  
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 (54) CYTOTOXIC INNATE LYMPHOID CELL AND USES THEREOF  
 (51) Int. Cl.  
*C12N 5/0783* ( 2010.01 )  
*A61K 35/17* ( 2015.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 14/715* ( 2006.01 )  
*C07K 14/725* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) UNEARTHED LAND TECHNOLOGIES, LLC  
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 (54) PREDICTING INTERIOR MODELS OF STRUCTURES  
 (51) Int. Cl.  
*G06F 30/13* ( 2020.01 )  
*G06T 7/60* ( 2017.01 )  
*G06N 20/00* ( 2019.01 )  
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 (72) CARRINGTON, Charles; WESTRE, Aaron  
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*C12M 1/107* ( 2006.01 )  
*C12M 1/26* ( 2006.01 )  
*C12M 3/00* ( 2006.01 )  
*C12P 5/02* ( 2006.01 )  
*C12P 7/00* ( 2006.01 )  
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 (72) NANDY, Subir Kumar; CHRISTENSEN, Ib  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) ABSORBENT ARTICLE  
 (51) Int. Cl.  
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 (43) 10.08.2023  
 (72) WADA, Mitsuhiro; BANDOU, Takeshi  
 (74) Allens Patent & Trade Mark Attorneys
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 (54) ABSORBENT ARTICLE  
 (51) Int. Cl.  
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 (72) BANDOU, Takeshi; WADA, Mitsuhiro  
 (74) Allens Patent & Trade Mark Attorneys
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 (51) Int. Cl.  
*B65D 19/00* ( 2006.01 )  
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 (72) DELAFOSSE, Mark; TURLEY, Matthew  
 (74) mdp Patent and Trade Mark Attorneys
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 (51) Int. Cl.  
*C07K 16/10* ( 2006.01 )  
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*A61P 31/14* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
 (87) WO2023/099688  
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 (72) KLEIN, Florian; VANSHYLLA, Kanika; GRÜLL, Henning  
 (74) Forte Intellectual Property Pty Ltd
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 (54) IMMUNOPROTECTIVE TYPE IMPLANTABLE CELL DELIVERY DEVICE  
 (51) Int. Cl.  
*A61F 2/02* ( 2006.01 )  
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 (43) 29.06.2023  
 (72) VAN APELDOORN, Aart Alexander; DE BONT, Denise Françoise Antoinette  
 (74) AJ PARK
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- (71) UNIVERSITY OF COPENHAGEN; AARHUS UNIVERSITET  
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 (54) TUNEABLE QUBIT CIRCUIT EMPLOYING TWIST COUPLERS  
 (51) Int. Cl.  
*G06N 10/40* ( 2022.01 )  
*B82Y 10/00* ( 2011.01 )  
*H10N 60/00* ( 2023.01 )  
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 (43) 13.07.2023  
 (72) CHRISTENSEN, Kasper Sangild; ZINNER, Nikolaj Thomas; KJÆRGAARD, Morten; GYENIS, András  
 (74) FB Rice Pty Ltd
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- (71) VÄLINGE INNOVATION AB  
 (11) AU-A-2022436739  
 (21) 2022436739 (22) 26.08.2022  
 (54) MECHANICAL CONNECTION ARRANGEMENT FOR PANELS  
 (51) Int. Cl.  
*A47B 47/04* ( 2006.01 )  
*F16B 12/24* ( 2006.01 )  
*A47B 96/20* ( 2006.01 )  
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 (43) 03.08.2023  
 (72) SVENSSON, Johan; DERELÖV, Peter  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) VÄLINGE INNOVATION AB  
 (11) AU-A-2022437728  
 (21) 2022437728 (22) 09.12.2022  
 (54) FLOOR PANEL ASSEMBLY AND ASSOCIATED CONNECTING DEVICE  
 (51) Int. Cl.  
*E04F 15/02* ( 2006.01 )  
 (87) WO2023/146452  
 (31) 2250072-2 (32) 27.01.22 (33) SE  
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 (11) AU-A-2022398502  
 (21) 2022398502 (22) 29.11.2022  
 (54) ENDOTHERMIC VAPOR AND ANTI-MICROBIAL SKIN ANESTHETIC AND APPARATUS FOR APPLICATION  
 (51) Int. Cl.  
 A61M 5/178 ( 2006.01 )  
 A61F 7/00 ( 2006.01 )  
 A61F 7/02 ( 2006.01 )  
 A61M 5/42 ( 2006.01 )  
 A61M 19/00 ( 2006.01 )  
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 (43) 01.06.2023  
 (72) LEIBOVICI, Jacob  
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- (71) VERALOX THERAPEUTICS  
 (11) AU-A-2022417384  
 (21) 2022417384 (22) 16.12.2022  
 (54) COMPOSITIONS AND METHODS OF USE TO TREAT 12-LIPOXYGENASE (12-LOX) MEDIATED DISEASES  
 (51) Int. Cl.  
 A61K 31/33 ( 2006.01 )  
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A45C 11/00 ( 2006.01 )  
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| 2022400783 | BANYAN LICENSING L.L.C.  | 2022407862 | H.J. HEINZ COMPANY BRANDS LLC   |
| 2022400894 | SHENZHEN ROBOROCK INNOVATION TECHNOLOGY CO., LTD.  | 2022407865 | INFINITE POWER COMPANY PTY LTD  |
| 2022400954 | SISCAPA ASSAY TECHNOLOGIES, INC.   | 2022407871 | SAGE THERAPEUTICS, Inc.   |
| 2022401058 | ST VINCENT'S HOSPITAL (MELBOURNE) LIMITED; UNIVERSITY OF WOLLONGONG; SWINBURNE UNI-  | 2022408043 |   |
|            |  | 2022408080 |   |
|            |  | 2022408205 |   |
|            |  | 2022409329 |   |

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| 2022409506 | ABSCI CORPORATION   | 2022419177 | AIC246 AG & CO. KG  |
| 2022409839 | AERIE PHARMACEUTICALS, INC.   | 2022419212 | CATERPILLAR INC.  |
| 2022409852 | DEXCOM, INC.  | 2022419226 | UNIVERSITEIT MAASTRICHT; ACADEMISCH ZIEK-<br>ENHUIS MAASTRICHT  |
| 2022409938 | MEIRAGTX UK II LIMITED  | 2022419371 | MARENGO THERAPEUTICS, INC.  |
| 2022410086 | CATERPILLAR INC.  | 2022419401 | THE UNIVERSITY OF SYDNEY  |
| 2022410087 | CATERPILLAR INC.  | 2022419405 | CENTRE FOR EYE RESEARCH AUSTRALIA LTD   |
| 2022410152 | HUNTSMAN PETROCHEMICAL LLC  | 2022419531 | ROBOS INTERNATIONAL LIMITED   |
| 2022410240 | LANDIS+GYR GMBH   | 2022419582 | OAKLEY, INC.  |
| 2022410368 | SEAWAY 7 ENGINEERING B.V.   | 2022419951 | CATERPILLAR INC.  |
| 2022410680 | RIGGING CONCEPTS LIMITED  | 2022419961 | VERALOX THERAPEUTICS  |
| 2022410799 | CATERPILLAR INC.  | 2022419988 | UNEARTHED LAND TECHNOLOGIES, LLC  |
| 2022410872 | DEKA BIOSCIENCES, INC.  | 2022420000 | REGENERON PHARMACEUTICALS, INC.   |
| 2022411692 | BAKER HUGHES ENERGY TECHNOLOGY UK LIM-<br>ITED  | 2022420022 | PROTHENA BIOSCIENCES LIMITED  |
| 2022411839 | GALLOWAY STEEL FABRICATIONS LIMITED   | 2022420026 | NOVAVAX, INC.   |
| 2022412197 | HITACHI, LTD.   | 2022420239 | SUNTORY HOLDINGS LIMITED  |
| 2022413079 | CATERPILLAR INC.  | 2022420270 | KANEKA CORPORATION  |
| 2022413300 | PAUL HARTMANN AG  | 2022420596 | RESEARCH INSTITUTE AT NATIONWIDE<br>CHILDREN'S HOSPITAL   |
| 2022413354 | KERRY GROUP SERVICES INTERNATIONAL LTD.   | 2022420621 | SOLUNA HOLDINGS, INC.   |
| 2022413409 | CATERPILLAR GLOBAL MINING EQUIPMENT LLC   | 2022420705 | CJ CHEILJEDANG CORPORATION  |
| 2022413419 | CATERPILLAR INC.  | 2022420737 | SYNGENTA CROP PROTECTION AG   |
| 2022413694 | DEKA BIOSCIENCES, INC.  | 2022420939 | PERMOBIL, INC.  |
| 2022413940 | CATERPILLAR INC.  | 2022420977 | RESMED PTY LTD  |
| 2022413973 | EMINING AG  | 2022420981 | LEICA BIOSYSTEMS MELBOURNE PTY LTD  |
| 2022414186 | UMOJA BIOPHARMA, INC.   | 2022420984 | 8SEATS GROUP PTY LTD  |
| 2022414396 | BEIJING ROBOROCK TECHNOLOGY CO., LTD.   | 2022421043 | AXOGEN CORPORATION  |
| 2022414936 | CENTRO DE INGENIERIA GENETICA Y BIOTECNO-<br>LOGIA  | 2022421049 | METRO INTERNATIONAL BIOTECH, LLC  |
| 2022416005 | THE TRUSTEES OF INDIANA UNIVERSITY  | 2022421122 | BP P.L.C.; JOHNSON MATTHEY DAVY TECHNOLO-<br>GIES LIMITED   |
| 2022416221 | PEKING UNIVERSITY THIRD HOSPITAL  | 2022421141 | SOLENI TECHNOLOGIES CAYMAN, L.P.  |
| 2022416362 | BAKER HUGHES ENERGY TECHNOLOGY UK LIM-<br>ITED  | 2022421159 | ICU MEDICAL, INC.   |
| 2022416515 | THE TRUSTEES OF THE UNIVERSITY OF<br>PENNSYLVANIA   | 2022421216 | MEDICAL INFORMATICS CORP.   |
| 2022416538 | DEXCOM, INC.  | 2022421219 | SOLENI TECHNOLOGIES CAYMAN, L.P.  |
| 2022416822 | INBIOSE N.V.  | 2022421244 | CAMP4 THERAPEUTICS CORPORATION  |
| 2022416927 | PHOENIX ENGINEERING SYSTEMS LIMITED   | 2022421498 | METSO USA INC.  |
| 2022417000 | GEOMOBY PTY LTD   | 2022421672 | YONDR, INC.   |
| 2022417016 | CANAM BIORESEARCH INC.  | 2022421707 | THE CURATORS OF THE UNIVERSITY OF MIS-<br>SOURI   |
| 2022417285 | QBIOTICS PTY LTD  | 2022421808 | COLGATE-PALMOLIVE COMPANY   |
| 2022417286 | MONASH UNIVERSITY   | 2022421948 | NEWSOUTH INNOVATIONS PTY LIMITED; UNI-<br>VERSIDADE FEDERAL DO RIO GRANDE DO SUL<br>(UFRGS)                                 |
| 2022417287 | BHP INNOVATION PTY LTD  | 2022421953 | CENTRE FOR EYE RESEARCH AUSTRALIA LTD   |
| 2022417294 | WEDGE TAIL INDUSTRIES R & D PTY LTD   | 2022421967 | TECK RESOURCES LIMITED  |
| 2022417306 | 2874108 ONTARIO LIMITED   | 2022422053 | BAYER AKTIENGESELLSCHAFT  |
| 2022417370 | CATERPILLAR INC.  | 2022422123 | KURE.AI, INC.   |
| 2022417384 | VERALOX THERAPEUTICS  | 2022422178 | GELITA AG   |
| 2022417389 | BIO-LAB, INC.   | 2022422205 | ANNALISE-AI PTY LTD   |
| 2022417464 | LIFEZONE LTD  | 2022422209 | LEICA BIOSYSTEMS MELBOURNE PTY LTD  |
| 2022417604 | FISHER & PAYKEL HEALTHCARE LIMITED  | 2022422400 | VETOQUINOL SA   |
| 2022417725 | BAKER HUGHES ENERGY TECHNOLOGY UK LIM-<br>ITED; BAKER HUGHES HOLDINGS LLC                               | 2022422581 | A-SAFE HQ LTD   |
| 2022417726 | NUOVO PIGNONE TECNOLOGIE - S.R.L.   | 2022422597 | GENCAPS SÀRL  |
| 2022418116 | GAMBRO LUNDIA AB  | 2022422997 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.;  |
| 2022418117 | BAYER AKTIENGESELLSCHAFT  | 2022423231 | SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.   |
| 2022418165 | ETH ZURICH  | 2022423250 | NANJING CHIA TAI TIANQING PHARMACEUTICAL<br>CO., LTD.   |
| 2022418323 | CJ CHEILJEDANG CORPORATION  | 2022423250 | ENZA ZADEN BEHEER B.V.  |
| 2022418436 | NIMML INSTITUTE   | 2022423369 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.;  |
| 2022418495 | BAKER HUGHES OILFIELD OPERATIONS LLC  | 2022423383 | SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.   |
| 2022418518 | PERMOBIL, INC.  | 2022423668 | INMAGENE PTE. LTD.  |
| 2022418585 | INCYTE CORPORATION  | 2022423896 | TOKO YAKUHIN KOGYO CO., LTD.; JAPAN AS REP-<br>RESENTED BY DIRECTOR GENERAL OF NATIONAL<br>INSTITUTE OF INFECTIOUS DISEASES |
| 2022418592 | AXOGEN CORPORATION  | 2022423925 | FIVES XCELLA  |
| 2022418593 | AXOGEN CORPORATION  | 2022423987 | SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUM-<br>ITOMO ELECTRIC TOYAMA CO., LTD.   |
| 2022418615 | HYZON MOTORS USA INC.   | 2022423997 | CENTURY THERAPEUTICS, INC.  |
| 2022418647 | BEIGENE, LTD.   | 2022423998 | ASSURANT, INC.  |
| 2022418658 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.;  | 2022424000 | ASSURANT, INC.  |
| 2022418780 | SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.   |            | YISSUM RESEARCH DEVELOPMENT COMPANY OF<br>THE HEBREW UNIVERSITY OF JERUSALEM LTD.;  |
| 2022418795 | NTN CORPORATION   |            |   |
| 2022419092 | TDF   |            |   |
| 2022419110 | ABIVAX  |            |   |
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| 2022424069 | HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD.; GRAIL, LLC                                     | 2022429870 | BYD COMPANY LIMITED  |
| 2022424109 | TECHNOLOGIES AVANCEES ET MEMBRANES INDUSTRIELLES   | 2022429969 | VESTAS WIND SYSTEMS A/S  |
| 2022424113 | OURA HEALTH OY   | 2022429970 | NUOVO PIGNONE TECNOLOGIE - S.R.L.  |
| 2022424178 | SOMALOGIC OPERATING CO., INC.  | 2022429984 | ANHEUSER-BUSCH INBEV S.A.; ENVASES UNIVERSALES DE MÉXICO SAPI DE CV  |
| 2022424223 | BEIGENE, LTD.  | 2022430245 | DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO   |
| 2022424232 | BYD COMPANY LIMITED  | 2022430307 | BROADLEAF CO., LTD.  |
| 2022424312 | VERISURE SÅRL  | 2022430911 | NICOVENTURES TRADING LIMITED   |
| 2022424345 | SUNTORY HOLDINGS LIMITED   | 2022430995 | SUMITOMO ELECTRIC INDUSTRIES, LTD.; TOYOCO MC Corporation  |
| 2022424471 | SUNTORY HOLDINGS LIMITED   | 2022431078 | INNOSPEC LIMITED   |
| 2022424476 | REPLI-TECH CO.,LTD.  | 2022431120 | KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION   |
| 2022424485 | NIPPON SHINYAKU CO., LTD.  | 2022431164 | CHEVRON U.S.A. INC.  |
| 2022424913 | STRYKER CORPORATION  | 2022431255 | JEFFYSTENT PTY LTD   |
| 2022424992 | BAKER HUGHES OILFIELD OPERATIONS LLC   | 2022431482 | NICOVENTURES TRADING LIMITED   |
| 2022425013 | PEPSICO, INC.  | 2022431532 | SUMITOMO ELECTRIC INDUSTRIES, LTD.; TOYOCO MC CORPORATION  |
| 2022425064 | BYD COMPANY LIMITED  | 2022431819 | DIGICODON TECHNOLOGIES CO., LTD.   |
| 2022425286 | MASTERCARD INTERNATIONAL INCORPORATED  | 2022431953 | VICENTRA B.V.  |
| 2022425321 | FULBRIGHT MEDICAL INC.   | 2022431978 | MEIRAGTX UK II LIMITED   |
| 2022425359 | ABBOTT DIABETES CARE INC.  | 2022432864 | NIPPON TELEGRAPH AND TELEPHONE CORPORATION   |
| 2022425382 | NEUROPRO THERAPEUTICS, INC.  | 2022433254 | ASSURE TECH. (HANGZHOU) CO., LTD.  |
| 2022425386 | FANG, Y.   | 2022433835 | BASSOE TECHNOLOGY AB   |
| 2022425433 | REJUVATEK MEDICAL, INC.  | 2022434029 | SIEMENS ENERGY GLOBAL GMBH & CO. KG; THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY; SIEMENS ENERGY, INC.     |
| 2022425440 | ILLUMINA, INC.   | 2022434057 | INARI AGRICULTURE TECHNOLOGY, INC.   |
| 2022425451 | RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY  | 2022434058 | KONLECHNER, D.; MYTILINEOS S.A.  |
| 2022425493 | VERISURE SÅRL  | 2022434139 | HUNAN SINOBOM INTELLIGENT EQUIPMENT CO., LTD.  |
| 2022425497 | SYNGENTA CROP PROTECTION AG  | 2022435116 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA   |
| 2022425520 | OURA HEALTH OY   | 2022435325 | HITACHI HIGH-TECH CORPORATION  |
| 2022425620 | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES | 2022436004 | MIYAZATO Yoshiaki; WINSTAR DEVELOPMENT GROUP; THE BIZSER CO., LTD.   |
| 2022425621 | BREATHEASY CO., D/B/A MIIST THERAPEUTICS   | 2022436044 | SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.   |
| 2022425754 | BROADLEAF CO., LTD.  | 2022436163 | BIO-ACTIVES SYNERGIO LTD   |
| 2022425822 | MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.  | 2022436739 | VÅLINGE INNOVATION AB  |
| 2022426012 | SUNTORY HOLDINGS LIMITED   | 2022437276 | RINNAI CORPORATION   |
| 2022426515 | HUNAN LIER BIOTECH CO., LTD.   | 2022437728 | VÅLINGE INNOVATION AB  |
| 2022426633 | MRM HEALTH N.V.; UNIVERSITEIT GENT   | 2022438363 | BIO-ACTIVES SYNERGIO LTD   |
| 2022426639 | VERISURE SÅRL  | 2022439803 | WEATHERFORD TECHNOLOGY HOLDINGS, LLC   |
| 2022426652 | TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)   | 2022440164 | SAMSUNG ELECTRONICS CO., LTD.  |
| 2022426655 | PHILIP MORRIS PRODUCTS S.A.  | 2022441405 | ELECTROLUX APPLIANCES AKTIEBOLAG   |
| 2022426656 | ARNOLD, M.   | 2022442022 | BEIJING DABEINONG BIOTECHNOLOGY CO., LTD.  |
| 2022426689 | CERTAINTED GYPSUM, INC.  | 2022449894 | DROPBOX, INC.  |
| 2022426696 | NAVIDEA BIOPHARMACEUTICALS, INC.   | 2022460788 | COOPERVISION INTERNATIONAL LIMITED   |
| 2022426698 | TPE MIDSTREAM LLC  | 2022466590 | JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.  |
| 2022426699 | BIOMEA FUSION, INC.  | 2022471755 | ZHEJIANG ZEEKR INTELLIGENT TECHNOLOGY CO., LTD.; VIRIDI E-MOBILITY TECHNOLOGY(NINGBO) CO.,LTD.; ZHEJIANG GEELY HOLDING GROUP CO., LTD. |
| 2022426786 | EKAMOR RESOURCE CORPORATION  | 2022477087 | ORR, T.E.; ANDERSON, R.  |
| 2022426850 | SAINT-GOBAIN ABRASIVES, INC.; SAINT-GOBAIN ABRASIFS  | 2022482922 | PYLON TECHNOLOGIES CO., LTD.   |
| 2022427613 | BEIGENE, LTD.  | 2022487693 | CCTEG COAL MINING RESEARCH INSTITUTE; CCTEG TIANDI SCIENCE & TECHNOLOGY CO., LTD.  |
| 2022427633 | QINGDAO HAIER WASHING ELECTRIC APPLIANCE CO., LTD; HAIER SMART HOME CO., LTD.                          | 2023204751 | REGENERON PHARMACEUTICALS, INC.  |
| 2022427666 | ENTELLUS MEDICAL, INC.   | 2023204801 | PTM THERAPEUTICS, INC.   |
| 2022427688 | GHARRING, C.J.   | 2023204829 | SANA BIOTECHNOLOGY, INC.   |
| 2022427696 | COLGATE-PALMOLIVE COMPANY  | 2023204857 | HAIER SMART HOME CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER US APPLIANCE SOLUTIONS, INC.                                    |
| 2022427765 | VERISURE SÅRL  | 2023205010 | RONAWK, INC.   |
| 2022427826 | DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO   | 2023205043 | BIOMED, INC.   |
| 2022427984 | RESMED DIGITAL HEALTH INC.   | 2023205075 | NEPTUNE MEDICAL INC.   |
| 2022428183 | ASTELLAS PHARMA INC.   | 2023205180 | RONAWK, INC.   |
| 2022428326 | HOSOKAWA YOKO CO., LTD.  | 2023205215 | GOOGLE LLC   |
| 2022429021 | LEMON INC.   |            |  |
| 2022429156 | SHANGHAI JMT-BIO TECHNOLOGY CO., LTD.  |            |  |
| 2022429219 | BYD COMPANY LIMITED  |            |  |
| 2022429503 | MASTERCARD INTERNATIONAL INCORPORATED  |            |  |
| 2022429645 | VERISURE SÅRL  |            |  |
| 2022429659 | LENLOK HOLDINGS, LLC   |            |  |
| 2022429669 | PEPSICO, INC.  |            |  |
| 2022429686 | AXOGEN CORPORATION   |            |  |
| 2022429764 | SANDVIK MINING AND CONSTRUCTION OY   |            |  |
| 2022429825 | SKILLZ PLATFORM INC.   |            |  |
| 2022429826 | SKILLZ PLATFORM INC.   |            |  |



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| 2023205290 | JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.                                       | 2023212025 | BAYER HEALTHCARE LLC   |
| 2023205319 | UNIBIO A/S  | 2023212183 | KABUSHIKI KAISHA TOYOTA JIDOSHOKKI   |
| 2023205534 | STRAUS MATERIALS INC.   | 2023212240 | SHANGHAI MABGEN BIOTECH LTD.   |
| 2023205537 | RONAWK, INC.  | 2023212772 | COMMUNICATIONS TEST DESIGN, INC.   |
| 2023205726 | AVALON STERITECH LIMITED; LAU, J.Y.   | 2023212838 | GRAPHIC PACKAGING INTERNATIONAL, LLC                                       |
| 2023205729 | RONAWK, INC.  | 2023212880 | PARALLEL CARBON INC.   |
| 2023205736 | THE OMNIPAD COMPANY, LLC  | 2023213039 | SYNGENTA CROP PROTECTION AG  |
| 2023205745 | NEXTRACKER LLC  | 2023213078 | ABIOMED EUROPE GMBH  |
| 2023205751 | HELIX NANOTECHNOLOGIES INC  | 2023213905 | INSILICO MEDICINE IP LIMITED   |
| 2023205752 | ABIOMED, INC.   | 2023214099 | ABIOMED EUROPE GMBH  |
| 2023205765 | GOOGLE LLC  | 2023214126 | VERTANICAL GMBH  |
| 2023205842 | NEURONANO AB  | 2023214140 | VERTANICAL GMBH  |
| 2023205857 | RONAWK, INC.  | 2023214467 | THE KATHOLIEKE UNIVERSITEIT LEUVEN; SPRINGWORKS THERAPEUTICS INC.; VIB VZW |
| 2023205911 | INHIBRX BIOSCIENCES, INC.   | 2023214494 | MONSANTO TECHNOLOGY LLC  |
| 2023205920 | XYRA, LLC   | 2023214616 | F. HOFFMANN-LA ROCHE AG  |
| 2023206018 | UNIVERSITY OF COPENHAGEN; AARHUS UNIVERSITET  | 2023215056 | ENHANCED DRILLING AS   |
| 2023206025 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  | 2023215559 | CLASS 1 INC.   |
| 2023206042 | EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD.                                       | 2023215988 | UNICHARM CORPORATION   |
| 2023206410 | I-SENS, INC.  | 2023216186 | ABBOTT DIABETES CARE INC.  |
| 2023206415 | I-SENS, INC.  | 2023216233 | VERTEX PHARMACEUTICALS INCORPORATED  |
| 2023206526 | AKER SOLUTIONS SUBSEA AS  | 2023216255 | REGENERON PHARMACEUTICALS, INC.  |
| 2023206807 | AKZO NOBEL COATINGS INTERNATIONAL B.V.  | 2023216654 | ELI LILLY AND COMPANY  |
| 2023206823 | EISAI R&D MANAGEMENT CO., LTD.  | 2023217033 | CP PACKAGING, LLC  |
| 2023207023 | I-SENS, INC.  | 2023217076 | SOMERO ENTERPRISES, INC.   |
| 2023207068 | CRINETICS PHARMACEUTICALS, INC.   | 2023218154 | IBC; SHIMIZU, Y.   |
| 2023207082 | H3X TECHNOLOGIES INC.   | 2023218391 | REGENERON PHARMACEUTICALS, INC.  |
| 2023207395 | SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD. | 2023218534 | AFFIBODY AB  |
| 2023207461 | ARGENX BV   | 2023218850 | SKYSURFER INTERNATIONAL LIMITED  |
| 2023207462 | AKZO NOBEL COATINGS INTERNATIONAL B.V.  | 2023219117 | SNAP-ON INCORPORATED   |
| 2023207727 | EPIGENIC THERAPEUTICS, INC.   | 2023219942 | HANWHA CORPORATION   |
| 2023207824 | AKZO NOBEL COATINGS INTERNATIONAL B.V.  | 2023220806 | MEURA S.A.   |
| 2023207844 | SUVEN LIFE SCIENCES LIMITED   | 2023220968 | ELI LILLY AND COMPANY  |
| 2023207955 | BARON INNOVATIVE TECHNOLOGY, LP   | 2023222254 | JOHNSON MATTHEY PUBLIC LIMITED COMPANY                                     |
| 2023207960 | REGENERON PHARMACEUTICALS, INC.   | 2023223196 | HEATEN AS  |
| 2023207979 | INTERNATIONAL FLAVORS & FRAGRANCES INC.   | 2023223406 | WARREN RUPP, INC.  |
| 2023207988 | ANNEXON, INC.   | 2023223749 | BAYVIEW INVESTMENTS (AUST) PTY LTD   |
| 2023208229 | UNIQCO-IP PTY LTD   | 2023224485 | JAPAN CASH MACHINE CO., LTD.   |
| 2023208459 | LG CHEM, LTD.   | 2023224577 | DAIKIN INDUSTRIES, LTD.; OTSUKA PHARMACEUTICAL FACTORY, INC.               |
| 2023208566 | CHUGAI SEIYAKU KABUSHIKI KAISHA   | 2023225036 | THE KATHOLIEKE UNIVERSITEIT LEUVEN; SPRINGWORKS THERAPEUTICS INC.; VIB VZW |
| 2023208891 | GANYMED ROBOTICS  | 2023225399 | OTSUKA PHARMACEUTICAL FACTORY, INC.  |
| 2023209046 | THE GILLETTE COMPANY LLC  | 2023225757 | HUNAN SIJIU TECHNOLOGY CO., LTD  |
| 2023209184 | NICOVENTURES TRADING LIMITED  | 2023226802 | UNICHARM CORPORATION   |
| 2023209342 | OPTIMOTION IMPLANTS LLC   | 2023228020 | NOVOZYMES A/S  |
| 2023209427 | THE GILLETTE COMPANY LLC  | 2023229266 | QUALCOMM INCORPORATED  |
| 2023209600 | COSMETIC WARRIORS LIMITED   | 2023231428 | NOVOZYMES A/S  |
| 2023209604 | OY KARL FAZER AB  | 2023231454 | ADMIT THERAPEUTICS SL  |
| 2023209609 | COOPERVISION INTERNATIONAL LIMITED  | 2023232797 | TREMARK DEVELOPMENT LLC  |
| 2023209772 | ZODIAC POOL SYSTEMS LLC   | 2023241735 | GENENTECH, INC.  |
| 2023209855 | THE GILLETTE COMPANY LLC  | 2023245360 | BYD COMPANY LIMITED  |
| 2023210235 | GENOVAC ANTIBODY DISCOVERY LLC; YALE UNIVERSITY                                     | 2023246405 | TYK MEDICINES, INC.; TYK MEDICINES (ZHENGZHOU), INC.                       |
| 2023210260 | THE GILLETTE COMPANY LLC  | 2023247710 | BYD COMPANY LIMITED  |
| 2023210304 | ORNA THERAPEUTICS, INC.   | 2023247919 | BYD COMPANY LIMITED  |
| 2023210434 | PERSEO PHARMA AG  | 2023249097 | NINGBO TUOLUZHE AUTO ACCESSORIES CO., LTD.                                 |
| 2023210727 | ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG   | 2023253729 | CARBONOVA CORP.  |
| 2023210941 | SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.                                       | 2023257277 | STRYKER CORPORATION  |
| 2023211162 | DEEPMIND TECHNOLOGIES LIMITED   | 2023258396 | SENSEE, INC.   |
| 2023211555 | MERCK SHARP & DOHME LLC   | 2023281990 | KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION   |
| 2023211574 | COMMUNICATIONS TEST DESIGN, INC.  | 2023298590 | LG ELECTRONICS INC.  |
| 2023211580 | LOGIX BIOSCIENCES, INC.   | 2023309624 | BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.                                |
| 2023211606 | ASKLEPIOS BIOPHARMACEUTICAL, INC.   | 2023311776 | RESTONE AS   |
| 2023211609 | A-ALPHA BIO   | 2023314142 | SENSORC PTY LTD  |
| 2023211639 | CHEN, C.  | 2023316917 | ZHANG, Y.  |
| 2023211784 | CHR. HANSEN A/S   | 2023363149 | LG CHEM, LTD.  |
| 2023211850 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.                                     | 2023375281 | MERISTEM CROP PERFORMANCE GROUP, LLC                                       |
|            |   | 2023379421 | TONGWEI SOLAR (MEISHAN) CO., LTD.  |

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**2023387751** GUANGDONG JIUCCO MEDICAL EQUIPMENT CO.,  
LTD.  
**2023387752** INNER MONGOLIA UNIVERSITY OF TECHNOLOGY  
**2023387754** SENTA ENERGY CO., LTD

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| <b><u>A01B 33 /-</u></b> | <b><u>A01N 47 /-</u></b> | 2023387752               | <b><u>A45C 15 /-</u></b> | <b><u>A47L 15 /-</u></b> | <b><u>A61C 9 /-</u></b>  |
| 2022411839               | 2022425497               | <b><u>A23K 20 /-</u></b> | 2022421672               | 2022437276               | 2022293585               |
| <b><u>A01B 39 /-</u></b> | <b><u>A01N 59 /-</u></b> | 2022420705               | <b><u>A45D 1 /-</u></b>  | <b><u>A47L 23 /-</u></b> | <b><u>A61D 99 /-</u></b> |
| 2022425386               | 2022421219               | <b><u>A23K 40 /-</u></b> | 2022460788               | 2023298590               | 2022396074               |
| <b><u>A01B 63 /-</u></b> | <b><u>A01N 63 /-</u></b> | 2023207979               | <b><u>A45F 3 /-</u></b>  | <b><u>A61B 10 /-</u></b> | <b><u>A61F 13 /-</u></b> |
| 2022425386               | 2023211580               | <b><u>A23L 11 /-</u></b> | 2022460788               | 2022396074               | 2022413300               |
| <b><u>A01C 1 /-</u></b>  | <b><u>A01P 1 /-</u></b>  | 2022442022               | <b><u>A46B 5 /-</u></b>  | 2022420977               | 2023215988               |
| 2023375281               | 2023211580               | 2023220806               | 2023209427               | <b><u>A61B 17 /-</u></b> | 2023226802               |
| <b><u>A01C 21 /-</u></b> | <b><u>A01P 13 /-</u></b> | <b><u>A23L 2 /-</u></b>  | <b><u>A47B 47 /-</u></b> | 2022396411               | <b><u>A61F 2 /-</u></b>  |
| 2021475599               | 2022425497               | 2022424471               | 2022436739               | 2022425321               | 2022419226               |
| 2021475725               | 2023213039               | 2022426012               | <b><u>A47B 61 /-</u></b> | 2023206042               | 2022431255               |
| <b><u>A01D 46 /-</u></b> | <b><u>A01P 3 /-</u></b>  | 2022477087               | 2023298590               | <b><u>A61B 3 /-</u></b>  | 2023205857               |
| 2022417286               | 2022420737               | 2023220806               | <b><u>A47B 96 /-</u></b> | 2022416005               | 2023206042               |
| <b><u>A01G 13 /-</u></b> | <b><u>A01P 5 /-</u></b>  | 2023220806               | 2022436739               | <b><u>A61B 5 /-</u></b>  | <b><u>A61F 7 /-</u></b>  |
| 2022442022               | 2022420737               | <b><u>A23L 27 /-</u></b> | <b><u>A47C 1 /-</u></b>  | 2021477590               | 2022398502               |
| <b><u>A01G 22 /-</u></b> | <b><u>A23C 11 /-</u></b> | 2023207979               | 2022401148               | 2022396074               | <b><u>A61G 5 /-</u></b>  |
| 2022442022               | 2023209604               | 2023209604               | <b><u>A47C 3 /-</u></b>  | 2022396260               | 2022418518               |
| <b><u>A01G 31 /-</u></b> | <b><u>A23C 17 /-</u></b> | <b><u>A23L 29 /-</u></b> | 2022401148               | 2022398684               | 2022420939               |
| 2021475599               | 2022413354               | <b><u>A23L 33 /-</u></b> | <b><u>A47C 4 /-</u></b>  | 2022399997               | 2022424913               |
| 2021475725               | <b><u>A23C 20 /-</u></b> | 2022442022               | 2022401148               | 2022409852               | <b><u>A61G 7 /-</u></b>  |
| <b><u>A01H 1 /-</u></b>  | 2023209604               | <b><u>A23L 33 /-</u></b> | <b><u>A47J 27 /-</u></b> | 2022416538               | 2022400783               |
| 2022423250               | <b><u>A23C 21 /-</u></b> | 2023209604               | 2022396283               | 2022420977               | 2023257277               |
| 2022442022               | 2022413354               | <b><u>A23L 7 /-</u></b>  | <b><u>A47J 31 /-</u></b> | 2022421216               | <b><u>A61H 33 /-</u></b> |
| 2023214494               | <b><u>A23C 9 /-</u></b>  | <b><u>A24B 15 /-</u></b> | 2022396283               | 2022425359               | 2023209772               |
| <b><u>A01H 5 /-</u></b>  | 2022426655               | <b><u>A24D 1 /-</u></b>  | 2022401148               | 2022425451               | <b><u>A61J 1 /-</u></b>  |
| 2022423250               | 2022413354               | 2022431482               | <b><u>A47J 36 /-</u></b> | 2022431953               | 2023212025               |
| 2022442022               | 2023211784               | <b><u>A24F 40 /-</u></b> | 2022396283               | 2023205752               | <b><u>A61J 3 /-</u></b>  |
| <b><u>A01H 6 /-</u></b>  | <b><u>A23D 9 /-</u></b>  | 2022426655               | 2022407862               | 2023205842               | 2023205920               |
| 2022423250               | 2022442022               | 2022430911               | 2022407871               | 2023206042               | 2023206042               |
| 2022434057               | <b><u>A23G 1 /-</u></b>  | 2022431482               | 2022429669               | 2023206410               | 2023206415               |
| 2022442022               | 2023206025               | 2023209184               | 2022430245               | 2023206415               | 2023207023               |
| <b><u>A01N 25 /-</u></b> | <b><u>A23G 3 /-</u></b>  | <b><u>A45C 1 /-</u></b>  | 2022477087               | 2023214616               | 2023214616               |
| 2022420737               | 2023206025               | <b><u>A45C 11 /-</u></b> | <b><u>A47J 42 /-</u></b> | 2023216186               | 2023216186               |
| <b><u>A01N 37 /-</u></b> | <b><u>A23J 1 /-</u></b>  | 2022460788               | 2022427826               | 2023387751               | 2023387751               |
| 2022418323               | 2022442022               | <b><u>A45C 13 /-</u></b> | 2022430245               | <b><u>A61B 6 /-</u></b>  | <b><u>A61K 31 /-</u></b> |
| 2022425497               | <b><u>A23J 3 /-</u></b>  | 2022421672               | <b><u>A47K 10 /-</u></b> | 2022396074               | 2022395776               |
| <b><u>A01N 43 /-</u></b> | 2023209604               | 2022460788               | 2023212838               | <b><u>A61B 90 /-</u></b> | 2022396754               |
| 2022420737               | 2023209604               | <b><u>A45C 13 /-</u></b> | <b><u>A47K 5 /-</u></b>  | 2022431255               | 2022397885               |
| 2022425497               | <b><u>A23K 10 /-</u></b> | 2022421672               | 2023316917               | 2023206042               | 2022402061               |
| 2023213039               | 2022420705               | <b><u>A47L 11 /-</u></b> | <b><u>A47L 11 /-</u></b> | <b><u>A61C 1 /-</u></b>  | 2022402521               |
|                          |                          |                          | 2022414396               | 2022293585               | 2022403005               |
|                          |                          |                          |                          | <b><u>A61C 17 /-</u></b> | 2022405082               |
|                          |                          |                          |                          | 2023209046               | 2022405115               |
|                          |                          |                          |                          | 2023209855               | 2022405116               |
|                          |                          |                          |                          | 2023210260               | 2022409329               |
|                          |                          |                          |                          | <b><u>A61C 7 /-</u></b>  | 2022409839               |
|                          |                          |                          |                          | 2022293585               | 2022416221               |
|                          |                          |                          |                          |                          | 2022417016               |
|                          |                          |                          |                          |                          | 2022417384               |
|                          |                          |                          |                          |                          | 2022418117               |
|                          |                          |                          |                          |                          | 2022418436               |
|                          |                          |                          |                          |                          | 2022418585               |
|                          |                          |                          |                          |                          | 2022418647               |
|                          |                          |                          |                          |                          | 2022418658               |
|                          |                          |                          |                          |                          | 2022419177               |

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

|                   |                   |                   |                   |                   |                   |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 2022419961        | 2023212025        |                   | 2023205075        |                   | 2022402985        |
| 2022420000        | 2023218534        | <b>A61K 9 /-</b>  |                   | <b>A61P 23 /-</b> | 2022405082        |
| 2022420239        |                   |                   | <b>A61M 5 /-</b>  | 2022405685        | 2022405115        |
| 2022420270        | <b>A61K 39 /-</b> | 2022395642        | 2022396095        |                   | 2022405116        |
| 2022421049        |                   | 2022403638        | 2022398502        | <b>A61P 25 /-</b> | 2022405276        |
| 2022422053        | 2022396102        | 2022409839        | 2022421159        |                   | 2022406744        |
| 2022422597        | 2022399571        | 2022419177        | 2022425433        | 2022403005        | 2022410872        |
| 2022422997        | 2022399574        | 2022422597        | 2022431953        | 2022405082        | 2022413694        |
| 2022423231        | 2022400238        | 2023205290        | 2023212025        | 2022405685        | 2022414936        |
| 2022424178        | 2022402061        | 2023207979        | 2023224577        | 2022409329        | 2022418515        |
| 2022425382        | 2022402985        | 2023208459        | 2023225399        | 2022418592        | 2022418585        |
| 2022426696        | 2022410872        | 2023212240        |                   | 2022420022        | 2022419371        |
| 2022426699        | 2022413694        | 2023241735        |                   | 2022420239        | 2022423231        |
| 2022428183        | 2022414186        |                   | <b>A61M 60 /-</b> | 2022422597        | 2022423383        |
| 2022438363        | 2022414936        | <b>A61L 2 /-</b>  | 2023213078        | 2023206823        | 2022424178        |
| 2023206823        | 2022419371        |                   | 2023214099        | 2023207988        | 2022426699        |
| 2023207068        | 2022420022        | 2022399125        |                   | 2023210727        | 2022427613        |
| 2023207395        | 2022423369        | 2023205726        | <b>A61M 99 /-</b> | 2023211606        | 2023204751        |
| 2023207844        | 2022423383        | 2023211580        |                   |                   | 2023204801        |
| 2023207988        | 2022423668        | 2023298590        | 2022400783        | <b>A61P 27 /-</b> | 2023207395        |
| 2023208459        | 2022423987        |                   | 2022425621        |                   | 2023207960        |
| 2023208566        | 2022425451        | <b>A61L 27 /-</b> |                   | 2022409839        | 2023208566        |
| 2023210727        | 2022425620        |                   | <b>A61M 1 /-</b>  | 2022419405        | 2023212240        |
| 2023210941        | 2022429156        | 2022401058        |                   | 2022421953        | 2023213905        |
| 2023211555        | 2023204751        | 2022418592        | 2022396524        | 2023207727        | 2023218534        |
| 2023212240        | 2023208566        | 2022418593        | 2023205842        | 2023207988        | 2023225036        |
| 2023213905        | 2023210235        | 2022421043        |                   | 2023211555        | 2023246405        |
| 2023214126        | 2023241735        | 2023205180        | <b>A61P 1 /-</b>  |                   |                   |
| 2023214140        |                   | 2023205857        |                   | <b>A61P 29 /-</b> | <b>A61P 37 /-</b> |
| 2023214467        | <b>A61K 45 /-</b> |                   | 2022396102        |                   | 2022405082        |
| 2023216654        |                   | <b>A61L 29 /-</b> | 2022396332        | 2022405082        | 2022410872        |
| 2023225036        | 2023208566        | 2023220968        | 2022426633        | 2022418647        | 2022418647        |
|                   | <b>A61K 47 /-</b> |                   | 2023207844        | 2022421049        | 2022422178        |
| <b>A61K 35 /-</b> |                   | <b>A61L 31 /-</b> |                   | 2023207395        | 2022423383        |
|                   | 2022402061        | 2022402537        | <b>A61P 11 /-</b> | 2023207988        | 2023207844        |
| 2022401869        | 2022403638        |                   |                   | 2023214126        | 2023207988        |
| 2022405530        | 2022409839        | <b>A61M 1 /-</b>  | 2022399571        | 2023214140        | 2023218534        |
| 2022406427        | 2022410872        |                   | 2022399574        |                   |                   |
| 2022413694        | 2022419177        | 2022418116        | 2022405082        | <b>A61P 3 /-</b>  | <b>A61P 39 /-</b> |
| 2022414186        | 2022420026        | 2023205043        | 2022418117        |                   |                   |
| 2022416515        | 2022420270        |                   | 2022422053        | 2022403525        | 2022420270        |
| 2022419371        | 2022423668        | <b>A61M 15 /-</b> |                   | 2022417016        | 2022421808        |
| 2022419405        | 2022426696        |                   | <b>A61P 13 /-</b> | 2022418658        |                   |
| 2022426633        | 2022427613        | 2022425621        |                   | 2022422997        | <b>A61P 43 /-</b> |
| 2022431978        | 2023204801        |                   | 2022420000        | 2022429156        |                   |
| 2023204829        | 2023207960        | <b>A61M 16 /-</b> | 2023210941        | 2022431978        | 2022405082        |
| 2023211580        | 2023208459        |                   | <b>A61P 15 /-</b> | 2023204829        | 2022420239        |
| 2023216233        | 2023210235        | 2022400783        |                   | 2023205290        | 2022420270        |
|                   | 2023210434        | 2022417604        | 2022402521        | 2023207988        | 2023206823        |
| <b>A61K 36 /-</b> | 2023212240        | 2022420977        | 2022416221        | 2023216233        | 2023208566        |
|                   | <b>A61K 48 /-</b> | 2022425621        | <b>A61P 17 /-</b> | 2023216255        | 2023216255        |
| 2022407865        |                   | 2023387751        |                   |                   |                   |
| 2022436163        | 2022419405        | <b>A61M 19 /-</b> | 2022396332        | <b>A61P 31 /-</b> | <b>A61P 5 /-</b>  |
| 2023214126        | 2022420596        |                   | 2022405276        | 2022399571        |                   |
| 2023214140        | 2022421953        | 2022398502        | 2022406744        | 2022399574        | 2023204829        |
|                   | 2023210304        |                   | 2022420270        | 2022400238        | 2023205290        |
| <b>A61K 38 /-</b> | 2023216255        | <b>A61M 25 /-</b> | 2022422400        | 2022407865        | 2023216233        |
|                   | <b>A61K 51 /-</b> |                   | 2022422597        | 2022410872        |                   |
| 2022396332        |                   | 2022427666        |                   | 2022419177        | <b>A61P 7 /-</b>  |
| 2022402537        | 2023210434        | 2022431255        | <b>A61P 19 /-</b> | 2022420026        | 2023225036        |
| 2022403525        |                   | <b>A61M 29 /-</b> |                   | 2022423668        |                   |
| 2022403638        | <b>A61K 8 /-</b>  |                   | 2022401058        | 2022438363        | <b>A61P 9 /-</b>  |
| 2022405685        |                   | 2022427666        | 2022407450        | 2023211580        |                   |
| 2022407450        |                   | 2022431255        | 2023208459        | 2023213905        | 2022402537        |
| 2022410872        | 2022396332        | <b>A61M 37 /-</b> | 2023210941        |                   | 2022403525        |
| 2022413694        | 2022421808        |                   |                   | <b>A61P 35 /-</b> | 2022405082        |
| 2022419405        | 2022427696        | 2022425433        | <b>A61P 21 /-</b> | 2022392829        | 2022420270        |
| 2022420026        | 2022436163        |                   |                   | 2022395776        | 2022429156        |
| 2022420239        | 2022438363        | <b>A61M 39 /-</b> | 2022403525        | 2022397885        | 2023210941        |
| 2022421953        | 2023207979        |                   | 2022428183        | 2022402061        |                   |
| 2022422178        | 2023205290        | 2023205043        | 2023210304        |                   |                   |
| 2023205290        | 2023209600        |                   |                   |                   |                   |
| 2023208566        |                   |                   |                   |                   |                   |

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|  |  |                          |                          |  |  |
|--|--|--------------------------|--------------------------|--|--|
| <b><u>A61Q 11 /-</u></b>                             | <b><u>B01F 25 /-</u></b>               | <b><u>B02C 23 /-</u></b> | <b><u>B25J 11 /-</u></b> | <b><u>B60K 1 /-</u></b>  | <b><u>B60W 40 /-</u></b>               |
| 2022427696   | 2022437276                             | 2022421948               | 2021480342<br>2022420981 | 2022418615<br>2023245360<br>2023247710   | 2022413940                             |
| <b><u>A61Q 17 /-</u></b>                             | <b><u>B01F 27 /-</u></b>               | <b><u>B02C 25 /-</u></b> | <b><u>B25J 15 /-</u></b> | <b><u>B60K 17 /-</u></b>   | <b><u>B61B 10 /-</u></b>               |
| 2022436163   | 2022437286<br>2022477087               | 2022426786               | 2022417286<br>2022420981 | 2022418615<br>2023247919   | 2023218850                             |
| <b><u>A61Q 19 /-</u></b>                             | <b><u>B01F 33 /-</u></b>               | <b><u>B03B 1 /-</u></b>  | <b><u>B28B 1 /-</u></b>  | <b><u>B60K 6 /-</u></b>  | <b><u>B61B 11 /-</u></b>               |
| 2022396332<br>2022421808<br>2022436163<br>2023207979 | 2023232797                             | 2022426786               | 2022424069               | 2022418615<br>2023247919   | 2023218850                             |
| <b><u>A61Q 5 /-</u></b>                              | <b><u>B01F 35 /-</u></b>               | <b><u>B03B 9 /-</u></b>  | <b><u>B29C 64 /-</u></b> | <b><u>B60L 13 /-</u></b>   | <b><u>B61B 12 /-</u></b>               |
| 2023207979<br>2023209600                             | 2022477087                             | 2022426786               | 2022395642<br>2022424069 | 2022395925   | 2023218850                             |
| <b><u>A62D 3 /-</u></b>                              | <b><u>B01J 13 /-</u></b>               | <b><u>B03C 7 /-</u></b>  | <b><u>B32B 13 /-</u></b> | <b><u>B60L 15 /-</u></b>   | <b><u>B61D 39 /-</u></b>               |
| 2023207979   | 2023207979                             | 2022421948               | 2022426689               | 2022471755   | 2022398047<br>2022399177               |
| 2022399449   | <b><u>B01J 16 /-</u></b>               | <b><u>B04C 3 /-</u></b>  | <b><u>B32B 37 /-</u></b> | <b><u>B60L 3 /-</u></b>  | <b><u>B61D 7 /-</u></b>                |
| 2022434029   | 2022434029                             | 2022417370               | 2023205075               | 2022412197   | 2022395719<br>2022398047<br>2022399177 |
| <b><u>A63B 17 /-</u></b>                             | <b><u>B01J 19 /-</u></b>               | <b><u>B05B 11 /-</u></b> | <b><u>B32B 5 /-</u></b>  | <b><u>B60L 50 /-</u></b>   | <b><u>B61L 23 /-</u></b>               |
| 2022405540   | 2022406287<br>2022425064<br>2022434029 | 2021479967               | 2022418593               | 2022417726<br>2023245360<br>2023247710   | 2022412197                             |
| <b><u>A63B 21 /-</u></b>                             | <b><u>B01J 20 /-</u></b>               | <b><u>B05B 15 /-</u></b> | <b><u>B33Y 10 /-</u></b> | <b><u>B60L 53 /-</u></b>   | <b><u>B61L 25 /-</u></b>               |
| 2022405540<br>2023205736                             | 2022405087<br>2023212880               | 2023316917               | 2022395642<br>2022424069 | 2022410086<br>2022413409<br>2022417726<br>2022419212                             | 2022412197                             |
| <b><u>A63B 22 /-</u></b>                             | <b><u>B01J 21 /-</u></b>               | <b><u>B07C 5 /-</u></b>  | <b><u>B33Y 30 /-</u></b> | <b><u>B60L 58 /-</u></b>   | <b><u>B61L 25 /-</u></b>               |
| 2023205736   | 2022405087<br>2023212880               | 2022423896               | 2022395642<br>2022424069 | 2022410086<br>2022410799<br>2022413409<br>2022413419<br>2022419212<br>2022429764 | 2022412197                             |
| <b><u>A63F 9 /-</u></b>                              | <b><u>B01J 21 /-</u></b>               | <b><u>B08B 11 /-</u></b> | <b><u>B33Y 50 /-</u></b> | <b><u>B60R 9 /-</u></b>  | <b><u>B62D 55 /-</u></b>               |
| 2022407549   | 2022420981                             | 2022420981               | 2022395642               | 2023249097   | 2022413079                             |
| <b><u>A63G 21 /-</u></b>                             | <b><u>B01J 23 /-</u></b>               | <b><u>B08B 5 /-</u></b>  | <b><u>B33Y 70 /-</u></b> | <b><u>B60T 1 /-</u></b>  | <b><u>B63B 1 /-</u></b>                |
| 2023218850   | 2022420981                             | 2022420981               | 2022395642<br>2022424069 | 2022410086<br>2022410799<br>2022413409<br>2022413419<br>2022419212<br>2022429764 | 2022433835                             |
| <b><u>B01D 15 /-</u></b>                             | <b><u>B01J 3 /-</u></b>                | <b><u>B08B 9 /-</u></b>  | <b><u>B33Y 80 /-</u></b> | <b><u>B60T 13 /-</u></b>   | <b><u>B63B 35 /-</u></b>               |
| 2022421707   | 2023215056                             | 2023215056               | 2022418165               | 2022377697   | 2022431164<br>2022433835               |
| <b><u>B01D 25 /-</u></b>                             | <b><u>B01J 37 /-</u></b>               | <b><u>B09B 3 /-</u></b>  | <b><u>B41F 16 /-</u></b> | <b><u>B60T 17 /-</u></b>   | <b><u>B63B 77 /-</u></b>               |
| 2023220806   | 2022421948                             | 2022421948               | 2022418165<br>2022424069 | 2022413973   | 2022433835                             |
| <b><u>B01D 45 /-</u></b>                             | <b><u>B01J 4 /-</u></b>                | <b><u>B21D 11 /-</u></b> | <b><u>B60D 1 /-</u></b>  | <b><u>B60T 13 /-</u></b>   | <b><u>B63G 8 /-</u></b>                |
| 2022417370   | 2022404037                             | 2022404037               | 2023225757               | 2022413973   | 2022431164                             |
| <b><u>B01D 46 /-</u></b>                             | <b><u>B01J 7 /-</u></b>                | <b><u>B21D 7 /-</u></b>  | <b><u>B60G 11 /-</u></b> | <b><u>B60T 17 /-</u></b>   | <b><u>B64C 3 /-</u></b>                |
| 2022407584   | 2022404037                             | 2022404037               | 2022404576               | 2022377697   | 2022429969                             |
| <b><u>B01D 50 /-</u></b>                             | <b><u>B01J 8 /-</u></b>                | <b><u>B21F 1 /-</u></b>  | <b><u>B60G 13 /-</u></b> | <b><u>B60W 10 /-</u></b>   | <b><u>B65B 25 /-</u></b>               |
| 2022417370   | 2022404037                             | 2022404037               | 2022429870               | 2022471755   | 2021480342                             |
| <b><u>B01D 53 /-</u></b>                             | <b><u>B01L 3 /-</u></b>                | <b><u>B22F 10 /-</u></b> | <b><u>B60G 17 /-</u></b> | <b><u>B60W 30 /-</u></b>   | <b><u>B65B 35 /-</u></b>               |
| 2023212880<br>2023215559<br>2023281990               | 2022424069                             | 2022424069               | 2022429870               | 2022413973<br>2022425754   | 2021480342                             |
| <b><u>B01F 23 /-</u></b>                             | <b><u>B02C 13 /-</u></b>               | <b><u>B24D 11 /-</u></b> | <b><u>B60G 17 /-</u></b> |  | <b><u>B65B 5 /-</u></b>                |
| 2022425013<br>2022437276<br>2022477087               | 2022402592<br>2022422209               | 2022426850               | 2022424223<br>2022429870 |  | 2021480342                             |
|  | 2022403633                             | <b><u>B24D 3 /-</u></b>  |                          |  |  |
|  |  | 2022426850               |                          |  |  |

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

|                          |                          |                           |                           |                           |                          |
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| <b><u>B65B 57 /-</u></b> | <b><u>B65G 17 /-</u></b> | <b><u>C01F 7 /-</u></b>   | <b><u>C07D 209 /-</u></b> | <b><u>C07D 451 /-</u></b> | 2022403015               |
| 2021480342               | 2022421498               | 2022434058                | 2023210941                | 2023206823                | 2022403525               |
| 2023217033               |                          |                           |                           |                           | 2022414186               |
|                          | <b><u>B65G 43 /-</u></b> | <b><u>C01G 49 /-</u></b>  | <b><u>C07D 211 /-</u></b> |                           | 2022416515               |
| <b><u>B65D 1 /-</u></b>  | 2022421498               | 2022425064                | 2023210941                | <b><u>C07D 471 /-</u></b> | 2022419405               |
| 2022429984               | 2023217033               |                           |                           | 2022405115                | 2022420596               |
|                          |                          | <b><u>C02F 1 /-</u></b>   | <b><u>C07D 213 /-</u></b> | 2022405116                | 2022421953               |
| <b><u>B65D 19 /-</u></b> | <b><u>B65G 47 /-</u></b> | 2022405087                | 2022405115                | 2022423231                | 2022423250               |
| 2023208229               | 2022421967               | 2022429219                | 2023207395                | 2022424178                | 2022423987               |
|                          |                          | 2023211580                |                           | 2022428183                | 2022429686               |
| <b><u>B65D 21 /-</u></b> | <b><u>B65G 57 /-</u></b> | 2023212880                | <b><u>C07D 215 /-</u></b> | 2023211555                | 2022431978               |
| 2022460788               | 2022400209               |                           |                           | 2023213905                | 2022435116               |
|                          |                          | <b><u>C02F 3 /-</u></b>   | 2022428183                |                           | 2023205751               |
| <b><u>B65D 23 /-</u></b> | <b><u>B65G 59 /-</u></b> | 2022421219                | <b><u>C07D 239 /-</u></b> | <b><u>C07D 473 /-</u></b> | 2023207727               |
| 2023232797               | 2022400209               |                           |                           | 2022421049                | 2023210304               |
|                          |                          | <b><u>C03C 17 /-</u></b>  | 2023225036                |                           | 2023211784               |
| <b><u>B65D 41 /-</u></b> | <b><u>B65G 61 /-</u></b> | 2023212025                | <b><u>C07D 241 /-</u></b> | <b><u>C07D 487 /-</u></b> | 2023218391               |
| 2022408080               | 2022421967               |                           |                           |                           | 2023218534               |
|                          |                          | <b><u>C04B 111 /-</u></b> | 2022426699                |                           |                          |
| <b><u>B65D 43 /-</u></b> | <b><u>B65H 5 /-</u></b>  | 2023311776                | <b><u>C07D 251 /-</u></b> |                           | <b><u>C07K 16 /-</u></b> |
| 2022407043               | 2023224485               |                           |                           | 2022395776                | 2022392829               |
| 2022421672               |                          | <b><u>C04B 28 /-</u></b>  | 2023213039                | 2022396754                | 2022396102               |
|                          | <b><u>B65H 9 /-</u></b>  | 2023311776                | <b><u>C07D 277 /-</u></b> | 2022397885                | 2022396551               |
| <b><u>B65D 47 /-</u></b> | 2023224485               |                           |                           | 2022418585                | 2022400238               |
| 2022407043               |                          | <b><u>C05C 1 /-</u></b>   | 2022419961                | 2022423231                | 2022402985               |
| 2022408080               | <b><u>B66F 11 /-</u></b> | 2022402593                | <b><u>C07D 303 /-</u></b> | 2023207844                | 2022404416               |
|                          | 2022434139               | 2022419110                |                           |                           | 2022414936               |
| <b><u>B65D 5 /-</u></b>  | <b><u>B66F 9 /-</u></b>  |                           | 2022417285                | <b><u>C07D 491 /-</u></b> | 2022416515               |
| 2023212838               | 2022400209               | <b><u>C05C 3 /-</u></b>   | <b><u>C07D 333 /-</u></b> | 2022418647                | 2022419371               |
|                          | 2023212183               | 2022402593                |                           | 2022427613                | 2022420022               |
| <b><u>B65D 51 /-</u></b> | <b><u>B67D 1 /-</u></b>  | 2022402593                | 2022419961                | 2023207960                | 2022420026               |
| 2022408080               |                          | 2022419110                | <b><u>C07D 401 /-</u></b> | 2023216654                | 2022422400               |
| 2023232797               | <b><u>B67D 1 /-</u></b>  |                           |                           | <b><u>C07D 493 /-</u></b> | 2022423369               |
|                          | 2022425013               | <b><u>C05C 9 /-</u></b>   | 2022405082                | 2022417285                | 2022423383               |
| <b><u>B65D 65 /-</u></b> | 2022429669               | 2022402593                | 2022405115                |                           | 2022423987               |
| 2022403471               | 2022477087               | 2022419110                | 2022405116                | <b><u>C07F 5 /-</u></b>   | 2022425451               |
|                          |                          |                           | 2023207395                | 2023204751                | 2022429156               |
| <b><u>B65D 75 /-</u></b> | <b><u>B82Y 10 /-</u></b> | 2022402593                | 2023210941                | 2023205911                | 2023208566               |
| 2022460788               | 2023206018               | 2022419110                | 2023246405                | 2023210235                | 2023212240               |
|                          |                          | <b><u>C05G 5 /-</u></b>   | <b><u>C07D 403 /-</u></b> | 2023216255                |                          |
| <b><u>B65D 8 /-</u></b>  | <b><u>B82Y 15 /-</u></b> | 2022402593                | 2022424178                | <b><u>C07F 9 /-</u></b>   | <b><u>C07K 17 /-</u></b> |
| 2022429984               | 2022402592               | 2022419110                | 2022426699                | 2022417016                | 2023205729               |
|                          |                          | <b><u>C07C 1 /-</u></b>   | 2023246405                | 2022424485                |                          |
| <b><u>B65D 81 /-</u></b> | <b><u>C01B 3 /-</u></b>  | 2022426656                | <b><u>C07D 405 /-</u></b> | <b><u>C07H 1 /-</u></b>   | <b><u>C07K 19 /-</u></b> |
| 2022403471               | 2022406287               |                           | 2022405116                | 2022400194                | 2022404416               |
| 2022428326               | 2022434029               | <b><u>C07C 245 /-</u></b> | 2022418658                | 2022419092                | 2022413694               |
| 2023375281               | 2023363149               | 2022396841                | 2022422997                | <b><u>C07H 17 /-</u></b>  | 2023216255               |
|                          |                          |                           | 2023207395                | 2022419092                | <b><u>C07K 5 /-</u></b>  |
| <b><u>B65D 83 /-</u></b> | <b><u>C01B 32 /-</u></b> | <b><u>C07C 321 /-</u></b> | <b><u>C07D 409 /-</u></b> | <b><u>C07H 19 /-</u></b>  | 2022420239               |
| 2023212838               | 2023212880               | 2022400194                | 2023207395                | 2022400194                | <b><u>C07K 7 /-</u></b>  |
|                          | 2023253729               |                           |                           | 2022424485                | 2022396332               |
| <b><u>B65F 1 /-</u></b>  | <b><u>C01F 1 /-</u></b>  | <b><u>C07C 46 /-</u></b>  | <b><u>C07D 413 /-</u></b> | <b><u>C07H 21 /-</u></b>  | 2022403638               |
| 2022396944               | 2023212880               | 20224020270               | 2022418658                | 2022400194                | 2022420026               |
|                          |                          |                           | 2023246405                | 2022424485                | 2023208566               |
| <b><u>B65G 1 /-</u></b>  | <b><u>C01F 11 /-</u></b> | <b><u>C07C 50 /-</u></b>  | <b><u>C07D 417 /-</u></b> | <b><u>C07K 14 /-</u></b>  | <b><u>C08B 37 /-</u></b> |
| 2022422581               | 2023212880               | 20224020270               | 2022405116                | 2022396332                | 2022401058               |
| 2022423896               |                          |                           |                           | 2022399571                | 2023205010               |
|                          |                          |                           |                           | 2022399574                |                          |
|                          |                          |                           |                           | 2022402249                |                          |
|                          |                          |                           |                           | 2022402537                |                          |
|                          |                          |                           |                           | 2022402985                |                          |

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|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b><u>C08F 220 /-</u></b> | <b><u>C10G 2 /-</u></b>  | 2023210304               | 2022406427               | <b><u>C25B 9 /-</u></b>  | <b><u>E03C 1 /-</u></b>  |
| 2021481596                | 2022421122               | 2023210727               | 2022406744               | 2022426656               | 2023316917               |
|                           | 2022426656               | 2023211606               | 2022424000               | 2023281990               |                          |
| <b><u>C08G 18 /-</u></b>  |                          | 2023211609               | 2022424113               |                          | <b><u>E04C 2 /-</u></b>  |
| 2022410152                | <b><u>C10J 3 /-</u></b>  | 2023211639               | 2022431819               | <b><u>C40B 30 /-</u></b> | 2022426689               |
|                           | 2022399449               | 2023211784               | 2022442022               | 2022409506               |                          |
| <b><u>C08J 3 /-</u></b>   |                          | 2023214494               | 2023211609               |                          | <b><u>E04F 15 /-</u></b> |
| 2022401058                | <b><u>C11D 3 /-</u></b>  | 2023216255               | 2023211639               | <b><u>C40B 40 /-</u></b> | 2022437728               |
|                           | 2023207979               | <b><u>C12N 5 /-</u></b>  | 2023218391               | 2022400954               |                          |
| <b><u>C08K 3 /-</u></b>   |                          | 2022401058               | 2023231454               |                          | <b><u>E04F 21 /-</u></b> |
| 2022396132                | <b><u>C12G 3 /-</u></b>  | 2022406427               | <b><u>C12R 1 /-</u></b>  | <b><u>D06F 25 /-</u></b> | 2023207955               |
| 2023206807                | 2022424345               | 2022414186               | 2023211784               | 2022400894               |                          |
| 2023207462                | 2022424471               | 2022419405               | 2023387752               |                          | <b><u>E04H 4 /-</u></b>  |
| 2023207824                | 2022426012               | 2022421953               | <b><u>C22B 1 /-</u></b>  | <b><u>D06F 35 /-</u></b> | 2022417389               |
|                           |                          | 2022422123               | 2022400179               | 2022399125               |                          |
| <b><u>C08K 5 /-</u></b>   | <b><u>C12M 1 /-</u></b>  | 2022423383               | <b><u>C22B 11 /-</u></b> |                          | <b><u>E06B 9 /-</u></b>  |
| 2022396132                | 2023205010               | 2022423987               | 2022402253               | <b><u>D06F 39 /-</u></b> | 2022407584               |
| 2023206807                | 2023205319               | 2022424476               | 2022417464               | 2022399125               |                          |
| 2023207462                | 2023205537               | 2022442022               | <b><u>C22B 15 /-</u></b> | 2022427633               | <b><u>E21B 10 /-</u></b> |
| 2023207824                |                          | 2023204829               | 2022399891               | <b><u>D06F 58 /-</u></b> | 2022405587               |
|                           | <b><u>C12M 3 /-</u></b>  | 2023205010               | 2022400179               | 2022400894               | <b><u>E21B 17 /-</u></b> |
| <b><u>C08L 23 /-</u></b>  | 2023205319               | 2023205537               | 2022417464               |                          | 2022405587               |
| 2022427688                | 2023224577               | 2023225399               | <b><u>C22B 3 /-</u></b>  | 2022410680               | 2022416927               |
| <b><u>C08L 7 /-</u></b>   | 2023225399               |                          | 2022399891               |                          | 2023215056               |
| 2022403471                | <b><u>C12N 1 /-</u></b>  | 2022402249               | 2022400179               | <b><u>D07B 1 /-</u></b>  |                          |
|                           |                          | 2022403015               | 2022417464               | 2022410680               | <b><u>E21B 21 /-</u></b> |
| <b><u>C08L 77 /-</u></b>  | 2023211784               | 2022424476               | 2022399891               | <b><u>D21H 19 /-</u></b> | 2023215056               |
| 2022421141                | 2023375281               | <b><u>C12N 9 /-</u></b>  | 2022400179               | 2022403471               |                          |
|                           | 2023387752               | 2022401869               | 2022402253               | <b><u>D21H 21 /-</u></b> | <b><u>E21B 23 /-</u></b> |
| <b><u>C08L 97 /-</u></b>  | <b><u>C12N 11 /-</u></b> | 2022402249               | 2022417464               | 2022421141               | 2022424992               |
| 2022403471                | 2022401058               | 2022403015               | 2022429219               | 2022421219               |                          |
|                           |                          | 2022405735               | <b><u>C22B 59 /-</u></b> |                          | <b><u>E21B 29 /-</u></b> |
| <b><u>C09B 29 /-</u></b>  | <b><u>C12N 15 /-</u></b> | 2022416822               | 2022421707               | <b><u>E01C 19 /-</u></b> | 2022418495               |
| 2022396841                | 2022400238               | 2022426515               | <b><u>C22B 60 /-</u></b> | 2023207955               |                          |
|                           | 2022401869               | 2022435116               | 2022421707               | 2023217076               | <b><u>E21B 3 /-</u></b>  |
| <b><u>C09B 31 /-</u></b>  | 2022401876               | 2023207727               | <b><u>C23C 18 /-</u></b> | <b><u>E01C 23 /-</u></b> | 2022487693               |
| 2022396841                | 2022402159               | 2023211784               | 2022429970               | 2023217076               |                          |
|                           | 2022402249               | 2023216255               | <b><u>C23F 11 /-</u></b> | <b><u>E01F 15 /-</u></b> | 202241692                |
| <b><u>C09D 101 /-</u></b> | 2022403005               | 2023228020               | 2022431078               | 2022419531               | 2022424992               |
| 2022403471                | 2022403015               | 2023231428               | <b><u>C23G 3 /-</u></b>  | <b><u>E02B 17 /-</u></b> | 2022439803               |
|                           | 2022404416               | <b><u>C12P 13 /-</u></b> | 2022429970               | 2022410368               |                          |
| <b><u>C09D 11 /-</u></b>  | 2022405735               | 2022420705               | <b><u>C25B 1 /-</u></b>  | <b><u>E02F 3 /-</u></b>  | <b><u>E21B 37 /-</u></b> |
| 2022418165                | 2022409506               | 2022426515               | 2022421707               | 2022411839               | 2022405587               |
|                           | 2022409938               | <b><u>C12P 19 /-</u></b> | <b><u>C25B 15 /-</u></b> | <b><u>E02F 5 /-</u></b>  | 2023215056               |
| <b><u>C09D 5 /-</u></b>   | 2022416515               | 2022416822               | 2022426656               | 2022411839               |                          |
| 2023206807                | 2022416822               | 2023211639               | 2023281990               |                          | <b><u>E21B 41 /-</u></b> |
| 2023207462                | 2022419371               | <b><u>C12P 21 /-</u></b> | <b><u>C25B 3 /-</u></b>  | 2022404576               | 2022416362               |
| 2023207824                | 2022419405               | 2023205319               | 2022426656               | 2022411839               |                          |
|                           | 2022420000               | <b><u>C12P 5 /-</u></b>  | 2023281990               | 2022413419               | <b><u>E21B 43 /-</u></b> |
| <b><u>C09J 177 /-</u></b> | 2022420596               | 2023205319               | <b><u>C25B 15 /-</u></b> | 2022413940               | 2022416362               |
| 2022421141                | 2022421244               | <b><u>C12P 7 /-</u></b>  | 2022426656               | <b><u>E02F 9 /-</u></b>  | 2023206526               |
|                           | 2022421953               | 2023205319               | 2023281990               |                          | <b><u>E21B 47 /-</u></b> |
| <b><u>C09K 3 /-</u></b>   | 2022422123               | <b><u>C12Q 1 /-</u></b>  | 2022426656               |                          | 2022418495               |
| 2022421141                | 2022423383               | 2022400954               | 2022426656               |                          |                          |
|                           | 2022424476               | 2022405276               |                          |                          |                          |
| <b><u>C09K 8 /-</u></b>   | 2022426515               |                          |                          |                          |                          |
| 2022426850                | 2022431978               |                          |                          |                          |                          |
|                           | 2022434057               |                          |                          |                          |                          |
| <b><u>C09K 8 /-</u></b>   | 2022435116               |                          |                          |                          |                          |
| 2022426850                | 2022442022               |                          |                          |                          |                          |
|                           | 2023205729               |                          |                          |                          |                          |
| <b><u>C09K 8 /-</u></b>   | 2023205751               |                          |                          |                          |                          |
| 2023311776                | 2023207727               |                          |                          |                          |                          |

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| <u>E21D 15 /-</u> | <u>F04B 49 /-</u> | <u>F16K 11 /-</u> | <u>F24H 7 /-</u>  | <u>F28F 1 /-</u>  | <u>G01N 27 /-</u> |
| 2022403617        | 2022426698        | 2022406688        | 2023223749        | 2023223749        | 2022402592        |
| <u>E21D 20 /-</u> | <u>F04B 53 /-</u> | <u>F16K 15 /-</u> | <u>F24H 9 /-</u>  | <u>F41A 21 /-</u> | 2023205752        |
| 2022487693        | 2023223406        | 2023223406        | 2022374467        | 2022417294        | 2023314142        |
| <u>E21D 21 /-</u> | <u>F04B 7 /-</u>  | <u>F16K 27 /-</u> | <u>F24S 25 /-</u> | <u>F42D 1 /-</u>  | <u>G01N 33 /-</u> |
| 2022487693        | 2023223196        | 2022406688        | 2023205745        | 2023219942        | 2022396074        |
| <u>E21D 9 /-</u>  | <u>F04D 1 /-</u>  | <u>F16L 1 /-</u>  | <u>F24S 30 /-</u> | <u>G01B 3 /-</u>  | 2022400954        |
| 2022487693        | 2022417725        | 2022416927        | 2023205745        | 2022403617        | 2022405276        |
| <u>E21F 11 /-</u> | <u>F04D 13 /-</u> | <u>F16L 13 /-</u> | <u>F25B 1 /-</u>  | <u>G01C 21 /-</u> | 2022406744        |
| 2022403617        | 2022417725        | 2022429659        | 2022425822        | 2022417000        | 2022407450        |
| <u>E21F 17 /-</u> | <u>F04D 29 /-</u> | <u>F16L 21 /-</u> | <u>F25B 29 /-</u> | 2022425754        | 2022409506        |
| 2022403617        | 2022417725        | 2022429659        | 2023223749        | <u>G01D 11 /-</u> | 2022420977        |
| <u>F01N 3 /-</u>  | <u>F04D 31 /-</u> | <u>F16L 25 /-</u> | <u>F25B 30 /-</u> | <u>G01D 15 /-</u> | 2022425451        |
| 2023222254        | 2022417725        | 2022429659        | 2023223196        | 2022402458        | 2022429686        |
| <u>F02D 19 /-</u> | <u>F04D 7 /-</u>  | <u>F16L 55 /-</u> | <u>F25B 31 /-</u> | <u>G01F 25 /-</u> | 2023207461        |
| 2023222254        | 2022417725        | 2022431164        | 2023223196        | 2022425754        | 2023218391        |
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| 2022429969        | 2022424223        | 2022399449        | 2022425822        | 2022429659        | <u>G01N 35 /-</u> |
| <u>F03D 13 /-</u> | 2023212183        | 2022426786        | 2022425822        | <u>G01F 15 /-</u> | 2022422209        |
| 2022410368        | <u>F15B 11 /-</u> | <u>F23G 7 /-</u>  | <u>F25B 49 /-</u> | 2022402458        | <u>G01P 15 /-</u> |
| <u>F03D 80 /-</u> | 2022434139        | 2022426786        | 2021479581        | <u>G01F 25 /-</u> | 2022419401        |
| 2022466590        | <u>F15B 13 /-</u> | <u>F24C 15 /-</u> | 2022425822        | <u>G01R 31 /-</u> | 2022422581        |
| <u>F03G 3 /-</u>  | 2022434139        | 2022441405        | 2023204857        | 2022402458        | <u>G01R 31 /-</u> |
| 2022402008        | <u>F16B 12 /-</u> | <u>F24C 7 /-</u>  | <u>F25C 1 /-</u>  | <u>G01G 19 /-</u> | 2022410799        |
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| 2023223196        | <u>F16C 19 /-</u> | <u>F24D 3 /-</u>  | <u>F25C 5 /-</u>  | <u>G01G 9 /-</u>  | <u>G01R 33 /-</u> |
| <u>F04B 11 /-</u> | 2022418780        | 2022374467        | 2023204857        | 2021480342        | 2022402592        |
| 2023223406        | <u>F16C 32 /-</u> | 2022377297        | <u>F25D 11 /-</u> | <u>G01K 17 /-</u> | 2022419401        |
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| 2023223196        | <u>F16C 33 /-</u> | <u>F24F 11 /-</u> | 2023223749        | 2022402458        | 2022417000        |
| <u>F04B 35 /-</u> | 2022418780        | <u>F24F 5 /-</u>  | <u>F25D 29 /-</u> | 2022402458        | <u>G01S 5 /-</u>  |
| 2022426698        | <u>F16F 9 /-</u>  | 2022425822        | 2022441405        | <u>G01L 1 /-</u>  | 2022417000        |
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| <u>F04B 39 /-</u> | <u>F16G 11 /-</u> | <u>F24F 7 /-</u>  | <u>F28D 1 /-</u>  | <u>G01M 17 /-</u> | <u>G02B 21 /-</u> |
| 2022426698        | 2022410680        | 2022417306        | 2022419951        | 2022413940        | 2022420981        |
| 2023223196        | <u>F16G 15 /-</u> | <u>F24H 1 /-</u>  | 2023223749        | 2023219117        | <u>G02B 5 /-</u>  |
| <u>F04B 43 /-</u> | 2022410680        | 2022374467        | <u>F28D 20 /-</u> | <u>G01N 1 /-</u>  | 2022419582        |
| 2023223406        |                   | 2022377297        | 2023223749        | 2022403479        | 2022419582        |
|                   |                   | 2022377298        |                   | 2022425451        | 2023209609        |
|                   |                   |                   |                   | 2022433254        | <u>G05B 1 /-</u>  |
|                   |                   |                   |                   | <u>G01N 21 /-</u> | 2023211574        |
|                   |                   |                   |                   | 2022403479        | 2023212772        |
|                   |                   |                   |                   | 2022425451        | <u>G05B 13 /-</u> |
|                   |                   |                   |                   | 2022431164        | 2022417287        |



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| 2023217033               | 2022422205               | 2022425493               |                          |                          | 2022421672               |
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| 2022413079               | <b><u>G06N 5 /-</u></b>  | <b><u>G08B 15 /-</u></b> | 2022420977               | 2022418795               | 2023205215               |
| 2023211574               | 2022395818               | 2022425493               | 2022421216               |                          | 2023205765               |
| 2023212772               |                          |                          | 2022424109               | <b><u>H01Q 9 /-</u></b>  |                          |
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| 2022413409               | 2022395818               |                          |                          | <b><u>H02J 1 /-</u></b>  | 2022420984               |
| 2022413419               | 2022413409               | <b><u>G08B 25 /-</u></b> | <b><u>H01F 27 /-</u></b> | 2022417726               | 2022423997               |
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|                          | 2023218154               | 2022427765               | <b><u>H02J 15 /-</u></b> | <b><u>H02J 15 /-</u></b> | <b><u>H04L 41 /-</u></b> |
| 2023209772               | <b><u>G06Q 20 /-</u></b> | 2022429645               |                          | 2022402008               | 2022423998               |
| <b><u>G06F 1 /-</u></b>  | 2022425286               | <b><u>G08B 5 /-</u></b>  | <b><u>H01G 11 /-</u></b> |                          | 2022426652               |
|                          | 2022425520               | 2022403617               | 2022421948               | <b><u>H02J 3 /-</u></b>  |                          |
| 2022420621               | 2022429503               |                          | <b><u>H01G 9 /-</u></b>  | 2022406862               | <b><u>H04L 45 /-</u></b> |
| 2022440164               |                          | <b><u>G08C 17 /-</u></b> | 2022421948               | 2023211850               | 2022417000               |
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| 2022423997               |                          | <b><u>G08G 1 /-</u></b>  | 2021479832               | 2022410799               |                          |
| 2022423998               | <b><u>G06Q 50 /-</u></b> | 2022425754               | <b><u>H01L 29 /-</u></b> | 2023205752               | <b><u>H04L 67 /-</u></b> |
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| 2022395818               | 2022417287               | <b><u>G09B 21 /-</u></b> | 2022390192               | 2022402008               | 2022429826               |
| 2022449894               | 2022420984               | 2023258396               | 2022395624               | 2022436004               |                          |
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|                          | 2022430307               | 2023258396               | 2022421948               | <b><u>H02K 16 /-</u></b> | 2022425520               |
| 2022425520               | 2023218154               |                          | 2023379421               | 2022402008               | 2022429503               |
| 2022432864               | <b><u>G06T 3 /-</u></b>  | <b><u>G09F 3 /-</u></b>  |                          | <b><u>H02K 21 /-</u></b> | <b><u>H04M 1 /-</u></b>  |
| <b><u>G06F 3 /-</u></b>  | 2022422205               | 2023232797               | <b><u>H01M 10 /-</u></b> | 2022436004               | 2022440164               |
|                          |                          | <b><u>G16B 20 /-</u></b> | 2021481596               |                          | <b><u>H04M 17 /-</u></b> |
| 2022413419               | <b><u>G06T 7 /-</u></b>  | 2022425440               | 2022400179               | <b><u>H02K 3 /-</u></b>  | 2023232797               |
| 2022420984               | 2022398632               |                          | 2022419951               | 2023207082               |                          |
| 2022440164               | 2022419988               | <b><u>G16B 5 /-</u></b>  | 2022436044               | <b><u>H02M 7 /-</u></b>  | <b><u>H04N 19 /-</u></b> |
| 2023211162               | 2022422205               | 2022425440               | 2022482922               | 2022431120               | 2023229266               |
| <b><u>G06F 30 /-</u></b> | 2023208891               | <b><u>G16C 20 /-</u></b> | 2023205534               |                          |                          |
|                          | <b><u>G06V 10 /-</u></b> | 2022403479               | <b><u>H01M 4 /-</u></b>  | <b><u>H02N 15 /-</u></b> | <b><u>H04N 21 /-</u></b> |
| 2022419988               | 2022398632               | <b><u>G16H 10 /-</u></b> | 2021481596               | 2022402008               | 2022429021               |
| <b><u>G06F 40 /-</u></b> | 2022429021               | 2022420977               | 2022423925               |                          | 2023309624               |
|                          |                          | <b><u>G16H 15 /-</u></b> | 2022430995               | <b><u>H02S 10 /-</u></b> | <b><u>H04N 5 /-</u></b>  |
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| <b><u>G06F 8 /-</u></b>  | 2022417286               | <b><u>G16H 15 /-</u></b> | 2023205534               |                          |                          |
|                          |                          | 2022420977               | <b><u>H01M 50 /-</u></b> | <b><u>H02S 20 /-</u></b> | <b><u>H04Q 9 /-</u></b>  |
| 2023218154               | <b><u>G06V 40 /-</u></b> | 2022421216               | 2022482922               | 2023205745               | 2022410240               |
| <b><u>G06F 9 /-</u></b>  | 2022425520               | <b><u>G16H 20 /-</u></b> | <b><u>H01M 8 /-</u></b>  | 2023387754               |                          |
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| 2022429503               | <b><u>G07C 5 /-</u></b>  | 2022416538               | 2022431532               | 2022406606               | 2022425520               |
| 2022429826               | 2023219117               | 2022420977               |                          | 2023387754               | <b><u>H04W 24 /-</u></b> |
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| 2022429503               | <b><u>G07F 17 /-</u></b> | 2022427984               | 2022418795               |                          |                          |
| 2022429826               | 2022407549               |                          | 2022429659               |                          | 2023205215               |
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| 2023232797               |                          |                          |                          |                          |                          |
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| 2023206018               |                          |                          |                          |                          |                          |
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| 2022419988               |                          |                          |                          |                          |                          |

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2022417000

**H04W 40 /-**

2022417000

**H04W 52 /-**

2022410240

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2023205765

**H04W 84 /-**

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**H05K 9 /-**

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**H10N 60 /-**

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 A61K 33/32 ( 2006.01 )  
 A61K 51/00 ( 2006.01 )  
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 A61N 5/02 ( 2006.01 )  
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 A61N 5/10 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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**C07K 14/79** ( 2006.01 )

**C07K 1/18** ( 2006.01 )

**C07K 1/36** ( 2006.01 )

**C12N 9/08** ( 2006.01 )

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**B01J 13/00** ( 2006.01 )

**C04B 32/02** ( 2006.01 )

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**F28D 21/00** ( 2006.01 )

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**A61K 31/4745** ( 2006.01 )

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**A61K 38/46** ( 2006.01 )

**A61K 38/17** ( 2006.01 )

**A61P 7/02** ( 2006.01 )

**A61P 7/04** ( 2006.01 )

**C07K 14/435** ( 2006.01 )

**C12N 9/14** ( 2006.01 )

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**C01F 11/46** ( 2006.01 )

**C01G 21/20** ( 2006.01 )

**C22B 3/12** ( 2006.01 )

**C22B 60/00** ( 2006.01 )

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**A61P 31/00** ( 2006.01 )

**A61P 31/16** ( 2006.01 )

**C07C 323/60** ( 2006.01 )

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**B60L 50/40** ( 2019.01 )

**H02J 7/34** ( 2006.01 )

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*A61M 39/00* ( 2006.01 )  
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*A61M 39/12* ( 2006.01 )  
*A61M 39/16* ( 2006.01 )  
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*A61K 9/48* ( 2006.01 )  
*A61K 8/00* ( 2006.01 )  
*A61K 9/08* ( 2006.01 )  
*A61K 9/10* ( 2006.01 )  
*A61K 36/00* ( 2006.01 )  
*A61K 47/02* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
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*C09C 1/30* ( 2006.01 )
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*A23L 33/135* ( 2016.01 )  
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*A61P 17/06* ( 2006.01 )
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**(51)** Int. Cl.  
**A01N 65/00** ( 2009.01 )  
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**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**C07K 16/24** ( 2006.01 )  
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**(51)** Int. Cl.  
**B21D 7/02** ( 2006.01 )  
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**A23L 35/00** ( 2016.01 )  
**B65D 81/32** ( 2006.01 )  
**G06Q 99/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C01B 21/00** ( 2006.01 )  
**C01B 21/06** ( 2006.01 )  
**C01B 21/064** ( 2006.01 )  
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**F16B 23/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G08G 5/06** ( 2006.01 )  
**B64D 47/02** ( 2006.01 )  
**B64D 47/08** ( 2006.01 )  
**B64F 1/00** ( 2006.01 )  
**G01S 17/93** ( 2006.01 )  
**G08G 5/04** ( 2006.01 )  
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**(51)** Int. Cl.  
**A23D 7/005** ( 2006.01 )  
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**A21D 10/00** ( 2006.01 )  
**A21D 13/068** ( 2017.01 )  
**A21D 13/16** ( 2017.01 )  
**A23D 7/01** ( 2006.01 )  
**A23D 9/007** ( 2006.01 )  
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**A61N 1/36** ( 2006.01 )

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**(54)** Radiopaque multi-armed polymers and  
 compositions, systems and methods  
 pertaining to the same  
**(51)** Int. Cl.  
**C08G 65/26** ( 2006.01 )  
**A61K 49/04** ( 2006.01 )  
**C08G 65/332** ( 2006.01 )  
**C08G 65/333** ( 2006.01 )  
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**C08K 5/16** ( 2006.01 )  
**C08L 71/02** ( 2006.01 )

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 tems  
**(51)** Int. Cl.  
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**(11)** AU-B-2022218780  
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 BEARING FOR A HEMODYNAMIC  
 SUPPORT PUMP  
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**A61M 60/13** ( 2021.01 )  
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 RADMAN, Lloyd; MURTHY, Sam  
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**(54)** Leuconostoc citreum strain and use  
 thereof  
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**C12N 1/20** ( 2006.01 )  
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**G06F 3/0488** ( 2022.01 )  
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**(74)** Adrian M Trioli Patent and Trade Mark Attorney
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*A61Q 11/00* ( 2006.01 )  
*A61K 8/19* ( 2006.01 )  
*A61K 8/24* ( 2006.01 )  
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*G01J 3/46* ( 2006.01 )  
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*A61K 31/381* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
*C07D 409/12* ( 2006.01 )  
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*A61K 31/5025* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
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**A01C 1/06** ( 2006.01 )  
**A01N 25/26** ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
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(21) 2021355246 (22) 30.09.2021  
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(51) Int. Cl.  
**C09D 11/36** ( 2014.01 )  
**B41J 2/01** ( 2006.01 )  
**B41M 5/00** ( 2006.01 )  
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(71) Dolby Laboratories Licensing Corporation; Dolby International AB  
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(51) Int. Cl.

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 TORRES, Juan Felix; BROWN,  
 Stefanie; MCGRATH, David S.  
**(74)** Spruson & Ferguson

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**(11)** AU-B-2019203065  
**(21)** 2019203065 **(22)** 30.04.2019  
**(54)** Awning assembly for a vehicle  
**(51)** Int. Cl.  
**E04F 10/06** ( 2006.01 )  
**B60P 3/37** ( 2006.01 )  
**E04H 15/08** ( 2006.01 )  
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**(11)** AU-B-2021290841  
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 breathalyzer and method for determin-  
 ing a vitality of electrodes of an electro-  
 chemical sensor  
**(51)** Int. Cl.  
**G01N 27/327** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G01N 33/497** ( 2006.01 )  
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**(72)** BAESLER, Malte  
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 device for medical procedures  
**(51)** Int. Cl.  
**A61B 17/34** ( 2006.01 )  
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**A61M 25/00** ( 2006.01 )  
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 steel surfaces  
**(51)** Int. Cl.  
**C10M 169/00** ( 2006.01 )  
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 proved antitumor immune response  
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**A61P 35/00** ( 2006.01 )  
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 R.  
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 sioning and refilling of medical devices  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/04** ( 2006.01 )  
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 SIMON, Bruce J.  
**(74)** GLMR

**(71)** Eloxx Pharmaceuticals Ltd.  
**(11)** AU-B-2022256098  
**(21)** 2022256098 **(22)** 18.10.2022  
**(54)** Large scale preparation of pseudo-  
 trisaccharide aminoglycosides and of  
 intermediates thereof  
**(51)** Int. Cl.  
**C07H 5/06** ( 2006.01 )  
**A61K 31/7036** ( 2006.01 )  
**C07H 15/224** ( 2006.01 )  
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 nal-regulating kinase 1 inhibitors and  
 methods of use thereof  
**(51)** Int. Cl.  
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 Group Pty Ltd  
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**(54)** An improved pick back flushing spray  
 for shearing drums  
**(51)** Int. Cl.  
**E21C 35/187** ( 2006.01 )  
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**(72)** Beck, Joel; Smith, Matthew  
**(74)** Patentec Patent Attorneys

**(71)** Enphase Energy, Inc.  
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**(54)** Load detection and prioritization for an  
 energy management system  
**(51)** Int. Cl.  
**H02J 3/14** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )  
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**(72)** BELUR, Raghuvveer R.  
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**(71)** EPL LIMITED  
**(11)** AU-B-2022311574  
**(21)** 2022311574 **(22)** 13.07.2022  
**(54)** A LAMINATE OF MULTILAYER FILMS  
 AND PROCESS THEREOF  
**(51)** Int. Cl.  
**C08L 63/00** ( 2006.01 )  
**B32B 15/04** ( 2006.01 )  
**B32B 15/085** ( 2006.01 )  
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 (51) Int. Cl.  
*E02F 9/28* ( 2006.01 )  
*E02F 9/24* ( 2006.01 )  
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 (51) Int. Cl.  
*G02C 11/00* ( 2006.01 )  
*A61B 3/113* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*G02C 7/02* ( 2006.01 )  
*G02C 7/06* ( 2006.01 )  
*G08B 21/02* ( 2006.01 )  
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*C12N 9/10* ( 2006.01 )  
*C12N 1/18* ( 2006.01 )  
*C12P 15/00* ( 2006.01 )  
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 (54) Large volume tissue reduction and removal system and method  
 (51) Int. Cl.  
*A61B 17/32* ( 2006.01 )  
*A61B 18/12* ( 2006.01 )  
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 (51) Int. Cl.  
*C07D 401/06* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 417/06* ( 2006.01 )  
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 (54) Tightly spaced flat sheet immersed membranes and fine bubble aeration  
 (51) Int. Cl.  
*B01D 65/04* ( 2006.01 )  
*B01D 63/08* ( 2006.01 )  
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 (74) Davies Collision Cave Pty Ltd
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- (71) Fisher & Paykel Healthcare Limited  
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 (21) 2022204841 (22) 06.07.2022  
 (54) METHODS AND APPARATUS FOR OXYGENATION AND/OR CO2 REMOVAL  
 (51) Int. Cl.  
*A61M 16/00* ( 2006.01 )  
*A61B 5/087* ( 2006.01 )  
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 (62) 2017257442  
 (72) OLDFIELD, Samantha Dale; MAXWELL, Penelope Jane; SPENCE, Callum James Thomas; BARNES, Thomas Heinrich; PAYTON, Matthew Jon; HERMEZ, Laith Adeeb  
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 (21) 2018328049 (22) 10.09.2018  
 (54) Machine gun  
 (51) Int. Cl.  
*F41A 9/32* ( 2006.01 )  
*F41A 9/55* ( 2006.01 )  
*F42B 39/08* ( 2006.01 )  
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*B01J 8/00* ( 2006.01 )  
*B22F 1/16* ( 2022.01 )  
*C04B 41/81* ( 2006.01 )  
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**H03F 3/14** ( 2006.01 )  
**H03F 3/72** ( 2006.01 )  
**H03G 1/00** ( 2006.01 )  
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*A62C 2/10* ( 2006.01 )  
*A62C 3/00* ( 2006.01 )  
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**B29C 53/00** ( 2006.01 )  
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 (54) Refrigerator  
 (51) Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**E05D 3/16** ( 2006.01 )  
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 (51) Int. Cl.
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 (72) FOSER, Thomas  
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 (54) OPERATION ASSISTANCE DEVICE, OPERATION ASSISTANCE METHOD, AND OPERATION ASSISTANCE PROGRAM  
 (51) Int. Cl.  
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 (54) DEVICE, METHOD, AND SYSTEM FOR TRAIN SAFETY MANAGEMENT  
 (51) Int. Cl.  
**B61L 25/04** ( 2006.01 )  
**B60L 15/40** ( 2006.01 )  
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 (31) 2021-060148 (32) 31.03.21 (33) JP  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2021442185 (22) 20.04.2021  
 (54) METHOD OF CONTROLLING A POWER CONVERTER, CONVERTER ARRANGEMENT AND COMPUTER PROGRAM PRODUCT  
 (51) Int. Cl.  
**H02M 1/32** ( 2007.01 )  
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 (74) FB Rice Pty Ltd
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 (54) DNA-ENCODED COMPOUND LIBRARY AND COMPOUND SCREENING METHOD  
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**E03F 5/14** ( 2006.01 )  
**B01D 29/50** ( 2006.01 )  
**B01D 35/02** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
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**A61F 5/44** ( 2006.01 )  
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 (51) Int. Cl.  
**G06T 11/00** ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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 (21) 2020459888 (22) 23.07.2020  
 (54) COMMUNICATION METHOD APPLIED TO INTEGRATED ACCESS

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**(51)** Int. Cl.  
*H04W 36/00* ( 2009.01 )  
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**(44)** 11.07.2024  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(11)** AU-B-2021273886  
**(21)** 2021273886 **(22)** 21.05.2021  
**(54)** Communication method and apparatus  
**(51)** Int. Cl.  
*H04W 28/04* ( 2009.01 )  
**(87)** WO2021/233445  
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**(43)** 25.11.2021  
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**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2022259771  
**(21)** 2022259771 **(22)** 26.10.2022  
**(54)** RADIO SCHEDULING METHOD AND APPARATUS  
**(51)** Int. Cl.  
*H04W 72/12* ( 2009.01 )  
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**(43)** 01.12.2022  
**(44)** 11.07.2024  
**(62)** 2019344405  
**(72)** Lou, Chong; Liu, Xing; Huang, Qufang  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-B-2020483948  
**(21)** 2020483948 **(22)** 31.12.2020  
**(54)** METHOD AND APPARATUS FOR REDUCING PEAK TO AVERAGE POWER RATIO  
**(51)** Int. Cl.  
*H04L 27/26* ( 2006.01 )  
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**(72)** SHILO, Shimon; REDLICH, Oded; MELZER, Ezer; EZRI, Doron; LEVIN-BOOK, Yoav; TSODIK, Genadiy; YU, Jian; HU, Mengshi  
**(74)** Halfords IP

**(71)** Hypertunnel IP Limited  
**(11)** AU-B-2023201956  
**(21)** 2023201956 **(22)** 30.03.2023  
**(54)** Method and System of Constructing an Underground Tunnel  
**(51)** Int. Cl.  
*E21D 9/00* ( 2006.01 )  
*E21D 9/06* ( 2006.01 )  
**(43)** 18.05.2023

**(44)** 11.07.2024  
**(62)** 2020249771  
**(72)** JORDAN, Stephen  
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**(11)** AU-B-2019264448  
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**(54)** Process for producing and regenerating hydrogen carrier compounds  
**(51)** Int. Cl.  
*C01B 3/06* ( 2006.01 )  
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*C08G 77/12* ( 2006.01 )  
**(87)** WO2019/211301  
**(31)** 18305549.0 **(32)** 02.05.18 **(33)** EP  
 18306001.1 23.07.18 EP  
**(43)** 07.11.2019  
**(44)** 11.07.2024  
**(72)** BURCHER, Benjamin; LOME, Vincent; BENOIT, Remy  
**(74)** Griffith Hack

**(71)** Hytro Limited  
**(11)** AU-B-2023206074  
**(21)** 2023206074 **(22)** 17.07.2023  
**(54)** BLOOD FLOW RESTRICTION SPORTSWEAR GARMENT  
**(51)** Int. Cl.  
*A63B 21/008* ( 2006.01 )  
*A63B 21/00* ( 2006.01 )  
*A63B 23/035* ( 2006.01 )  
*A63B 24/00* ( 2006.01 )  
*A63B 69/00* ( 2006.01 )  
**(43)** 10.08.2023  
**(44)** 11.07.2024  
**(62)** 2019285821  
**(72)** BRADLEY, Warren  
**(74)** Michael Buck IP

**(71)** Ibrum Technologies  
**(11)** AU-B-2019316286  
**(21)** 2019316286 **(22)** 30.07.2019  
**(54)** A device for the continuous and non-invasive monitoring of bilirubin in real-time  
**(51)** Int. Cl.  
*A61B 5/145* ( 2006.01 )  
**(87)** WO2020/026267  
**(31)** 201841029014 **(32)** 01.08.18 **(33)** IN  
**(43)** 06.02.2020  
**(44)** 11.07.2024  
**(72)** DEY, Nibedit  
**(74)** Mann IP

**(71)** IGM BIOSCIENCES, INC.  
**(11)** AU-B-2021200348  
**(21)** 2021200348 **(22)** 20.01.2021  
**(54)** Binding molecules with modified J-chain  
**(51)** Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
**(43)** 18.03.2021

**(44)** 11.07.2024  
**(62)** 2016329197  
**(72)** Keyt, Bruce; Presta, Leonard George; Baliga, Ramesh  
**(74)** AJ PARK

**(71)** IGO Limited  
**(11)** AU-B-2019348192  
**(21)** 2019348192 **(22)** 26.09.2019  
**(54)** Method for preparing a high-purity hydrated nickel sulphate  
**(51)** Int. Cl.  
*C22B 3/44* ( 2006.01 )  
*B01D 11/04* ( 2006.01 )  
*C22B 23/00* ( 2006.01 )  
**(87)** WO2020/061639  
**(31)** 2018903643 **(32)** 27.09.18 **(33)** AU  
 2019901760 23.05.19 AU  
**(43)** 02.04.2020  
**(44)** 11.07.2024  
**(72)** OSTEN, Karel John; GRASSI, Rossano Antonio; GUTIERREZ CLAUDORFF, Arturo; HARRISON, Ryan Colin  
**(74)** WRAYS PTY LTD

**(71)** igus GmbH  
**(11)** AU-B-2019254266  
**(21)** 2019254266 **(22)** 05.04.2019  
**(54)** Monitoring system for operating an energy chain  
**(51)** Int. Cl.  
*H02G 11/00* ( 2006.01 )  
**(87)** WO2019/201626  
**(31)** 20 2018 102 217.2 **(32)** 20.04.18 **(33)** DE  
**(43)** 24.10.2019  
**(44)** 11.07.2024  
**(72)** SCHMER, Konstantin  
**(74)** FB Rice Pty Ltd

**(71)** Illumina Cambridge Limited  
**(11)** AU-B-2018259206  
**(21)** 2018259206 **(22)** 23.04.2018  
**(54)** Compositions and methods for improving sample identification in indexed nucleic acid libraries  
**(51)** Int. Cl.  
*C12Q 1/6806* ( 2018.01 )  
*C12Q 1/6837* ( 2018.01 )  
*C12Q 1/6855* ( 2018.01 )  
**(87)** WO2018/197950  
**(31)** 62/488,824 **(32)** 23.04.17 **(33)** US  
**(43)** 01.11.2018  
**(44)** 11.07.2024  
**(72)** Smith, Vincent Peter; Bevis-Mott, Claire; Boutell, Jonathan Mark  
**(74)** WRAYS PTY LTD

**(71)** Indena S.p.A.  
**(11)** AU-B-2018304534  
**(21)** 2018304534 **(22)** 16.07.2018  
**(54)** Powder solid dispersions comprising quercetin, process for their preparation and formulations thereof  
**(51)** Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )

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**A61K 31/352** ( 2006.01 )  
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**(31)** 17181634.1 **(32)** 17.07.17 **(33)** EP  
**(43)** 24.01.2019  
**(44)** 11.07.2024  
**(72)** RONCHI, Massimo; FRATTINI, Elisa-  
 betta; RIVA, Antonella  
**(74)** WRAYS PTY LTD

**INSERM (Institut National de la Santé et de  
 la Recherche Médicale) see Université Par-  
 is-Saclay**  
**(21)** 2018240416

**(71)** Inspire Medical Systems, Inc.  
**(11)** AU-B-2019276992  
**(21)** 2019276992 **(22)** 23.05.2019  
**(54)** System and method for secured shar-  
 ing of medical data generated by a pa-  
 tient medical device  
**(51)** Int. Cl.  
**G16H 10/00** ( 2018.01 )  
**(87)** WO2019/231821  
**(31)** 62/678,640 **(32)** 31.05.18 **(33)** US  
 16/419,486 22.05.19 US  
**(43)** 05.12.2019  
**(44)** 11.07.2024  
**(72)** RONDONI, John; DIEKEN, David Todd  
**(74)** FB Rice Pty Ltd

**Institut de Radioprotection et de Sûreté  
 Nucléaire see Université Paris-Saclay**  
**(21)** 2018240416

**(71)** Institute of Engineering Thermophysics,  
 Chinese Academy of Sciences  
**(11)** AU-B-2021290222  
**(21)** 2021290222 **(22)** 20.12.2021  
**(54)** STAGED CRYOGENIC STORAGE  
 TYPE SUPERCRITICAL COM-  
 PRESSED AIR ENERGY STORAGE  
 SYSTEM AND METHOD  
**(51)** Int. Cl.  
**F02C 6/00** ( 2006.01 )  
**(43)** 20.01.2022  
**(44)** 11.07.2024  
**(62)** 2017416627  
**(72)** LIN, Xipeng; WANG, Liang; CHEN,  
 Haisheng; XIE, Ningning; YANG, Zheng  
**(74)** Wallington-Dummer

**(71)** Intercontinental Great Brands LLC  
**(11)** AU-B-2020377876  
**(21)** 2020377876 **(22)** 27.10.2020  
**(54)** Packages configured for improved seal-  
 ing  
**(51)** Int. Cl.  
**B65D 75/00** ( 2006.01 )  
**B65D 30/20** ( 2006.01 )  
**B65D 33/02** ( 2006.01 )  
**B65D 75/12** ( 2006.01 )  
**B65D 75/52** ( 2006.01 )  
**(87)** WO2021/091726  
**(31)** 16/674,992 **(32)** 05.11.19 **(33)** US  
**(43)** 14.05.2021

**(44)** 11.07.2024  
**(72)** FERRIS, Kevin  
**(74)** Griffith Hack

**(71)** International Business Machines Cor-  
 poration  
**(11)** AU-B-2021295256  
**(21)** 2021295256 **(22)** 15.06.2021  
**(54)** Selective chemical frequency modifica-  
 tion of josephson junction resonators  
**(51)** Int. Cl.  
**H10N 60/01** ( 2023.01 )  
**H10N 69/00** ( 2023.01 )  
**G06N 10/00** ( 2022.01 )  
**(87)** WO2021/259712  
**(31)** 16/912,246 **(32)** 25.06.20 **(33)** US  
**(43)** 30.12.2021  
**(44)** 11.07.2024  
**(72)** LEWANDOWSKI, Eric; YAU, Jeng-  
 Bang; ZHANG, Eric; WEBB, Bucknell  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Cor-  
 poration  
**(11)** AU-B-2021300620  
**(21)** 2021300620 **(22)** 18.05.2021  
**(54)** Permissioned eventing in a decentral-  
 ized database  
**(51)** Int. Cl.  
**H04L 9/06** ( 2006.01 )  
**G06F 17/40** ( 2006.01 )  
**(87)** WO2022/003436  
**(31)** 16/917,247 **(32)** 30.06.20 **(33)** US  
**(43)** 06.01.2022  
**(44)** 11.07.2024  
**(72)** YELLICK, Jason; SORNIOTTI, Aless-  
 andro; ANDROULAKI, Elli; DE CARO,  
 Angelo  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Cor-  
 poration  
**(11)** AU-B-2021349101  
**(21)** 2021349101 **(22)** 15.09.2021  
**(54)** Private key creation using location data  
**(51)** Int. Cl.  
**G06F 21/60** ( 2013.01 )  
**G06Q 20/38** ( 2012.01 )  
**H04L 9/08** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )  
**H04W 4/02** ( 2018.01 )  
**(87)** WO2022/063655  
**(31)** 17/028,573 **(32)** 22.09.20 **(33)** US  
**(43)** 31.03.2022  
**(44)** 11.07.2024  
**(72)** SHIMADA, Junichi; HACHIYA, Shuichi  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Cor-  
 poration  
**(11)** AU-B-2021356089  
**(21)** 2021356089 **(22)** 06.10.2021  
**(54)** Josephson wide band multiplexer-de-  
 multiplexer circuit  
**(51)** Int. Cl.  
**H03H 7/01** ( 2006.01 )  
**G06N 10/40** ( 2022.01 )

**H03H 7/46** ( 2006.01 )  
**H03H 7/09** ( 2006.01 )  
**(87)** WO2022/074041  
**(31)** 17/067,518 **(32)** 09.10.20 **(33)** US  
**(43)** 14.04.2022  
**(44)** 11.07.2024  
**(72)** BECK, Matthew; GLICK, Joseph  
**(74)** Spruson & Ferguson

**(71)** International Business Machines Cor-  
 poration  
**(11)** AU-B-2021380806  
**(21)** 2021380806 **(22)** 08.11.2021  
**(54)** Techniques for quickly revising wave-  
 forms following calibration of a quantum  
 system  
**(51)** Int. Cl.  
**G06N 10/20** ( 2022.01 )  
**G06N 10/80** ( 2022.01 )  
**G06N 5/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2022/101116  
**(31)** 17/095,412 **(32)** 11.11.20 **(33)** US  
**(43)** 19.05.2022  
**(44)** 11.07.2024  
**(72)** WACK, Andrew; LEMEK, John; WOO,  
 Ryan; YU, Jessie  
**(74)** Spruson & Ferguson

**(71)** INTERNATIONAL BUSINESS MA-  
 CHINES CORPORATION  
**(11)** AU-B-2021393964  
**(21)** 2021393964 **(22)** 08.12.2021  
**(54)** RAPID SINGLE FLUX QUANTUM  
 PULSE MULTIPLIER  
**(51)** Int. Cl.  
**H03K 3/38** ( 2006.01 )  
**H03K 19/195** ( 2006.01 )  
**H04L 7/00** ( 2006.01 )  
**H04L 7/027** ( 2006.01 )  
**(87)** WO2022/122854  
**(31)** 17/118,526 **(32)** 10.12.20 **(33)** US  
**(43)** 16.06.2022  
**(44)** 11.07.2024  
**(72)** BECK, Matthew; TIMMERWILKE, John  
**(74)** Spruson & Ferguson

**(71)** INTERNATIONAL BUSINESS MA-  
 CHINES CORPORATION  
**(11)** AU-B-2021398915  
**(21)** 2021398915 **(22)** 25.11.2021  
**(54)** COORDINATING REQUESTS AC-  
 TIONED AT A SCALABLE APPLICA-  
 TION  
**(51)** Int. Cl.  
**G06F 9/50** ( 2006.01 )  
**G06F 11/36** ( 2006.01 )  
**(87)** WO2022/128394  
**(31)** 17/247,615 **(32)** 18.12.20 **(33)** US  
**(43)** 23.06.2022  
**(44)** 11.07.2024  
**(72)** ROSS, Martin; EVANS, Jack, William,  
 Donato; STEVENSON, Jack, Richard,  
 William; POWLETT, Luke, James  
**(74)** Spruson & Ferguson

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 (11) AU-B-2018308716  
 (21) 2018308716 (22) 13.07.2018  
 (54) Wear liners  
 (51) Int. Cl.  
     **B65G 53/34** ( 2006.01 )  
     **B65G 11/16** ( 2006.01 )  
 (87) WO2019/018883  
 (31) 2017902924 (32) 26.07.17 (33) AU  
 (43) 31.01.2019  
 (44) 11.07.2024  
 (72) CHEEVERS, Scott  
 (74) Clark Intellectual Property Pty Ltd

(71) Intuit Inc.  
 (11) AU-B-2022204589  
 (21) 2022204589 (22) 28.06.2022  
 (54) Multiple input machine learning framework for anomaly detection  
 (51) Int. Cl.  
     **G06V 30/10** ( 2022.01 )  
     **G06N 3/02** ( 2006.01 )  
 (31) 17/515,163 (32) 29.10.21 (33) US  
 (43) 18.05.2023  
 (44) 11.07.2024  
 (72) Khmaissia, Fadoua; Feinstein, Efraim David; Duraipandian, Preeti  
 (74) Davies Collison Cave Pty Ltd

(71) Inventio AG  
 (11) AU-B-2020396188  
 (21) 2020396188 (22) 02.12.2020  
 (54) Apparatus for guiding and braking a travelling body of a lift system, which body is to be moved along a guide track  
 (51) Int. Cl.  
     **B66B 5/18** ( 2006.01 )  
 (87) WO2021/110726  
 (31) 19212903.9 (32) 02.12.19 (33) EP  
 (43) 10.06.2021  
 (44) 11.07.2024  
 (72) GEISSHÜSLER, Michael; OSMAN-BASIC, Faruk; STEINER, Adrian; STÄHLI, Julian; ZAPF, Volker  
 (74) Griffith Hack

(71) i-SENS, Inc.  
 (11) AU-B-2022231710  
 (21) 2022231710 (22) 14.09.2022  
 (54) Continuous blood glucose measurement body attachment unit  
 (51) Int. Cl.  
     **A61B 5/15** ( 2006.01 )  
     **A61B 5/00** ( 2006.01 )  
     **A61B 5/145** ( 2006.01 )  
 (43) 06.10.2022  
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NEST, Wim; RODRÍGUEZ BIELSA, Catalina  
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**A61P 37/00** ( 2006.01 )  
**C07D 401/02** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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 (54) SULFIDE REACTIVE VACUUM DISTILLATION, ABSORPTION, STRIPPING, AND EXTRACTION FOR METAL AND ALLOY PRODUCTION  
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**C22B 1/06** ( 2006.01 )  
**C22B 1/11** ( 2006.01 )  
**C22B 26/20** ( 2006.01 )  
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**C25C 3/34** ( 2006.01 )  
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 (51) Int. Cl.  
**E04G 21/12** ( 2006.01 )  
**B21F 7/00** ( 2006.01 )  
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(71) Maximum Soil and Water Productivity Pty Ltd  
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 (21) 2022206765 (22) 21.07.2022  
 (54) Soil loosening and furrower assemblies and a bed renovator therefor  
 (51) Int. Cl.  
**A01B 49/02** ( 2006.01 )  
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 (51) Int. Cl.  
     **A61F 2/30** ( 2006.01 )  
     **A61M 5/142** ( 2006.01 )  
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     **C07K 14/575** ( 2006.01 )  
     **A61P 3/08** ( 2006.01 )  
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     **A61K 35/12** ( 2015.01 )  
     **A61P 25/16** ( 2006.01 )  
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 (51) Int. Cl.  
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     **A61K 38/00** ( 2006.01 )  
     **C12N 9/64** ( 2006.01 )  
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 (51) Int. Cl.  
     **C07K 16/46** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **C07K 16/28** ( 2006.01 )  
     **C07K 16/12** ( 2006.01 )  
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 (51) Int. Cl.  
     **A61K 49/00** ( 2006.01 )  
     **A01K 67/027** ( 2006.01 )

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     **F24S 25/40** ( 2018.01 )  
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     **F24S 20/69** ( 2018.01 )  
     **F24S 80/30** ( 2018.01 )  
     **H02S 20/25** ( 2014.01 )  
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 (31) 10 2019 112 799.8 (32) 15.05.19 (33) DE  
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 (54) STABILIZED MODE SPLITTING FIN SENSOR  
 (51) Int. Cl.  
     **G01F 1/00** ( 2022.01 )  
     **G01C 19/56** ( 2012.01 )  
     **G01F 1/84** ( 2006.01 )  
     **G01F 23/296** ( 2022.01 )  
     **G01N 9/00** ( 2006.01 )  
     **G01N 11/00** ( 2006.01 )  
     **G01N 29/02** ( 2006.01 )  
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 (62) 2019462206  
 (72) Schlosser, Martin Andrew; Schollenber-ger, Frederick Scott; Weinstein, Joel  
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 (21) 2023201598 (22) 15.03.2023  
 (54) STABILIZED MODE SPLITTING FIN SENSOR  
 (51) Int. Cl.  
     **G01F 1/00** ( 2022.01 )  
     **G01C 19/56** ( 2012.01 )  
     **G01F 1/84** ( 2006.01 )  
     **G01F 23/296** ( 2022.01 )  
     **G01N 9/00** ( 2006.01 )  
     **G01N 11/00** ( 2006.01 )  
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 (21) 2018244449 (22) 29.03.2018  
 (54) Agents for differentiating stem cells and treating cancer  
 (51) Int. Cl.  
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**(21)** 2022275400 **(22)** 21.11.2022  
**(54)** Method of screening for agents for differentiating stem cells  
**(51)** Int. Cl.  
**A01K 67/00** ( 2006.01 )  
**A01K 67/027** ( 2006.01 )  
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**(54)** Process for acidic leaching of precious and chalcophile metals  
**(51)** Int. Cl.  
**C22B 3/16** ( 2006.01 )  
**C22B 3/04** ( 2006.01 )  
**C22B 11/00** ( 2006.01 )  
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**(43)** 04.04.2019  
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**(74)** Griffith Hack

**(71)** MITSUBISHI ELECTRIC CORPORATION  
**(11)** AU-B-2021428650  
**(21)** 2021428650 **(22)** 17.02.2021  
**(54)** Motor drive apparatus, refrigeration cycle apparatus, air conditioner, water heater, and refrigerator  
**(51)** Int. Cl.  
**H02P 25/18** ( 2006.01 )  
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**(72)** SHIMADA, Yuhei; HATAKEYAMA, Kazunori  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Mitsubishi Heavy Industries, Ltd.  
**(11)** AU-B-2020364556  
**(21)** 2020364556 **(22)** 01.09.2020  
**(54)** Aircraft position control system, aircraft, and aircraft position control method  
**(51)** Int. Cl.  
**B64C 13/18** ( 2006.01 )  
**B64D 45/04** ( 2006.01 )  
**B64D 47/08** ( 2006.01 )

**G08G 5/02** ( 2006.01 )  
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**(72)** KOJIMA, Toru  
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**(71)** Mitsubishi Heavy Industries, Ltd.  
**(11)** AU-B-2021277813  
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**(54)** Fuel-cell system, exhaust purification method using fuel-cell, and modification method for fuel-cell device  
**(51)** Int. Cl.  
**A61L 2/04** ( 2006.01 )  
**B01D 53/38** ( 2006.01 )  
**B01D 53/72** ( 2006.01 )  
**H01M 8/00** ( 2016.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/04014** ( 2016.01 )  
**H01M 8/04089** ( 2016.01 )  
**H01M 8/12** ( 2016.01 )  
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**(72)** YOKOHAMA, Katsuhiko  
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**(11)** AU-B-2021428799  
**(21)** 2021428799 **(22)** 15.12.2021  
**(54)** UPDATE DEVICE, INDOOR AND OUTDOOR UNIT, UPDATE SYSTEM, UPDATE METHOD, AND PROGRAMME  
**(51)** Int. Cl.  
**G06F 8/65** ( 2018.01 )  
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**(72)** YOKOHAMA Koji; TAKAHASHI Kazuyoshi  
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**(11)** AU-B-2023206271  
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**(54)** A METHOD FOR PURIFICATION OF MANGANESE PREGNANT LEACH SOLUTION  
**(51)** Int. Cl.  
**C22B 47/00** ( 2006.01 )  
**C22B 3/26** ( 2006.01 )  
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**(54)** Aircraft position control system, aircraft, and aircraft position control method  
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**H02S 40/36** ( 2014.01 )  
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**(74)** Michael Buck IP

**(71)** NH TherAguix; Universite Claude Bernard Lyon 1; Centre National de la Recherche Scientifique - CNRS  
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**(51)** Int. Cl.  
**A61K 49/10** ( 2006.01 )  
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**(11)** AU-B-2021382771  
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**(54)** DEUTERATED 1,4-BENZODIAZEPINE-2,5-DIONE COMPOUND AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 243/14** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
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**(54)** NKG2D fusion proteins and uses thereof  
**(51)** Int. Cl.  
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**A21D 10/00** ( 2006.01 )  
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**A47J 19/06** ( 2006.01 )  
**A23N 1/02** ( 2006.01 )  
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 (54) GAS TURBINE FUEL TREATMENT CIRCUIT AND METHOD FOR STARTING UP A GAS TURBINE  
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**F02C 7/224** ( 2006.01 )  
**F01D 19/00** ( 2006.01 )
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 (54) Battery module clamshell  
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**H01M 50/204** ( 2021.01 )  
**H01M 50/231** ( 2021.01 )  
**H01M 50/242** ( 2021.01 )  
**H01M 50/249** ( 2021.01 )  
**H01M 50/284** ( 2021.01 )  
**H01M 50/296** ( 2021.01 )  
**H05K 1/18** ( 2006.01 )  
**H05K 5/02** ( 2006.01 )  
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 (72) TISCHER, Eric; HOLMES, Scott; LOCKWOOD, Thomas  
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 (54) Rechargeable power source for a load handling device  
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**B65G 1/04** ( 2006.01 )  
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 (54) Automated storage systems and devices  
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**B65G 1/04** ( 2006.01 )  
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- (71) Ocado Innovation Limited  
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 (54) Systems, apparatus and methods for collecting and separating floating debris and water from a body of water  
 (51) Int. Cl.  
**E02B 15/10** ( 2006.01 )  
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 (74) AJ PARK
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 (54) METHODS AND SYSTEMS FOR MODULATING ENERGY USAGE  
 (51) Int. Cl.  
**F24D 19/10** ( 2006.01 )  
**F24H 15/174** ( 2022.01 )  
**F24H 15/219** ( 2022.01 )  
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 (31) 2101678.7 (32) 07.02.21 (33) GB  
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 (72) KONOWALCZYK, Peter  
 (74) Dentons Patent Attorneys Australasia Limited

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 (51) Int. Cl.  
**C12N 13/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61M 5/158** ( 2006.01 )  
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 (72) LEE, Ly James; SHI, Junfeng; YANG, Zhaogang  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ohio State Innovation Foundation  
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 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 49/00** ( 2006.01 )  
**A61K 51/10** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**A23K 10/18** ( 2016.01 )  
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**A23K 50/75** ( 2016.01 )  
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 (74) Phillips Ormonde Fitzpatrick

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 (54) Stable anhydrous laundry detergent concentrate and method of making same  
 (51) Int. Cl.  
**C11D 17/00** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
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**C11D 3/20** ( 2006.01 )  
**C11D 3/386** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
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 (51) Int. Cl.  
**H02J 3/32** ( 2006.01 )  
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**A44B 11/25** ( 2006.01 )  
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**B60N 2/58** ( 2006.01 )  
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(21) 2023203051

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**G06T 17/00** ( 2006.01 )  
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**H02J 3/46** ( 2006.01 )  
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**G06F 11/16** ( 2006.01 )  
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**A61L 15/64** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**B05C 19/00** ( 2006.01 )  
**B05D 1/16** ( 2006.01 )  
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**C22B 5/10** ( 2006.01 )  
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**Sorbonne Université see Université Paris-Saclay**  
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*A61K 9/107* ( 2006.01 )  
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*C07B 43/04* ( 2006.01 )  
*C07D 213/127* ( 2006.01 )  
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*C07F 15/04* ( 2006.01 )  
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*A61M 11/04* ( 2006.01 )  
*A61M 15/00* ( 2006.01 )  
*A24F 47/00* ( 2020.01 )  
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*A47J 27/14* ( 2006.01 )  
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Zhengzhou Haier New Energy Technology Co., Ltd. see QINGDAO HAIER NEW ENERGY APPLIANCE CO., LTD.  
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| 2017247880 | Cancer Research Technology Limited   | 2018322694 | Kenneth R Moras Pty Ltd                              |
| 2017254106 | Sarepta Therapeutics, Inc.   | 2018323556 | Applied Biological Laboratories, Inc.                |
| 2017256774 | Novo Nordisk A/S   | 2018324360 | Caterpillar Inc.                                     |
| 2017270027 | MedImmune Limited  | 2018328049 | FN Herstal S.A.                                      |
| 2017281940 | University of Iowa Research Foundation   | 2018328142 | Ynsect   |
| 2017321863 | Sanofi Pasteur, Inc.   | 2018331397 | Financial & Risk Organisation Limited                |
| 2017343377 | Singapore Health Services Pte Ltd; Agency for Science, Technology and Research   | 2018334198 | Yakima Chief Hops, LLC                               |
| 2017352591 | Genovie AB   | 2018334226 | Abbott Diagnostics Scarborough, Inc.                 |
| 2017376801 | BIORA THERAPEUTICS, INC.   | 2018335382 | Senzagen AB  |
| 2017380099 | Heidelberg Pharma Research GmbH  | 2018337727 | RAI Strategic Holdings, Inc.                         |
| 2017382281 | Genentech, Inc.  | 2018340866 | Mining and Process Solutions Pty Ltd                 |
| 2017420127 | GCE Holding AB   | 2018341924 | Becton, Dickinson and Company                        |
| 2018200807 | RAILTECH SUFETRA, S.A.   | 2018342089 | Dana-Farber Cancer Institute, Inc.                   |
| 2018203246 | Southern Engineering Solutions Limited; Tiffin, N.   | 2018346278 | Dispensing Technologies B.V.                         |
| 2018203931 | Deere & Company  | 2018346876 | Abec Inc.  |
| 2018204382 | Polymer Systems International Limited  | 2018346995 | BioAnalytics Holdings Pty Ltd                        |
| 2018205103 | Seminis Vegetable Seeds, Inc.  | 2018348092 | Psomagen, Inc.                                       |
| 2018215245 | Resiliun B.V.  | 2018350770 | Smith & Nephew plc                                   |
| 2018222453 | aReNA Biotech GmbH   | 2018351687 | Genera Istrazivanja d.o.o.                           |
| 2018226466 | Britax Romer Kindersicherheit GmbH   | 2018357084 | Petróleo Brasileiro S.A. - Petrobras                 |
| 2018235021 | Université Libre de Bruxelles  | 2018366053 | The Regents of the University of California          |
| 2018240416 | Université Paris-Saclay; Etablissement Francais du Sang; INSERM (Institut National de la Santé et de la Recherche Médicale); Centre National de la Recherche Scientifique; Institut de Radioprotection et de Sûreté Nucléaire; Sorbonne Université | 2018370761 | Otago Innovation Limited                             |
| 2018244449 | Minerva Biotechnologies Corporation  | 2018372804 | Cargill, Incorporated                                |
| 2018249817 | Spogen Biotech Inc.  | 2018378809 | Amgen Inc.   |
| 2018252745 | Kao Corporation  | 2018382539 | Sciencons AS   |
| 2018253025 | Fresenius Medical Care Holdings, Inc.  | 2018386717 | CCL Secure Pty Ltd                                   |
| 2018254485 | Bio-Path Holdings, Inc.; Thomas Jefferson University   | 2018388395 | Komatsu Forest AB                                    |
| 2018254584 | Hemosonics, LLC  | 2018389222 | Electrocore, Inc.                                    |
| 2018259206 | Illumina Cambridge Limited   | 2018389953 | Thales   |
| 2018260821 | Schneider Electric (Australia) Pty Limited   | 2018391325 | Axelia Oncology Pty Ltd                              |
| 2018260824 | Tigerstone Technologies Limited  | 2018391673 | Galderma Holding SA                                  |
| 2018265531 | The Trustees of The University of Pennsylvania   | 2018397071 | Sensile Medical AG                                   |
| 2018267611 | ALSTOM Transport Technologies  | 2018401777 | Prysmian S.p.A.                                      |
| 2018269497 | Tchibo GmbH  | 2018413277 | PureCircle USA Inc.                                  |
| 2018269543 | Aerovironment, Inc.  | 2018422709 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. |
| 2018269656 | Octapharma AG  | 2018424863 | Corcym S.r.l.  |
| 2018271991 | eFFECTOR Therapeutics, Inc.  | 2018430735 | Holcim (Australia) Pty Ltd                           |
| 2018277310 | Ablynx NV; Merck Patent GmbH   | 2018434917 | Kimberly-Clark Worldwide, Inc.                       |
| 2018277504 | Polyplastic Groep B.V.   | 2018455220 | Halliburton Energy Services, Inc.                    |
| 2018280264 | The Board of Trustees of the Leland Stanford Junior University; Myoforte Therapeutics, Inc.  | 2019200382 | Terex GB Limited                                     |
| 2018280870 | NH TherAguix; Université Claude Bernard Lyon 1; Centre National de la Recherche Scientifique - CNRS  | 2019202233 | Medos International Sarl                             |
| 2018282020 | Sami Labs Limited  | 2019202419 | The Raymond Corporation                              |
| 2018282104 | Urovant Sciences GmbH  | 2019202421 | The Raymond Corporation                              |
| 2018284104 | Les Laboratoires Servier   | 2019203065 | Dometic Sweden AB                                    |
| 2018286483 | Antisense Therapeutics Ltd   | 2019203142 | DePuy Synthes Products, Inc.                         |
| 2018286637 | Scott, P.; Grimwade, J.  | 2019203401 | Stryker European Operations Limited                  |
| 2018287094 | Fundacion Universitaria San Pablo  | 2019204070 | Caterpillar Inc.                                     |
| 2018293413 | GROBEN, M.   | 2019206435 | Heartwood Sustainable Industries (Pty) Ltd           |
| 2018293909 | Australian Nuclear Science and Technology Organisation   | 2019209450 | Leviant, Inc.  |
| 2018294504 | Limmatech Biologics AG   | 2019212338 | OmniGen Research, LLC                                |
| 2018295515 | Lubrizol Advanced Materials, Inc.  | 2019213692 | Alcon Inc.   |
| 2018296004 | Ten Cate Thiolon B.V.  | 2019217366 | eXlthera Pharmaceuticals Inc.                        |
| 2018301320 | Hera Health Solutions Inc.   | 2019217863 | Stanley Motors Inc.                                  |
| 2018304534 | Indena S.p.A.  | 2019218392 | LanzaTech, Inc.                                      |
| 2018307969 | East End Medical LLC   | 2019219295 | Global Life Sciences Solutions USA LLC               |
| 2018308716 | International Materials & Technology Pty Limited   | 2019221553 | American Nano, LLC                                   |
| 2018312099 | Ohio State Innovation Foundation   | 2019222806 | BLM S.p.A.   |
| 2018313122 | 1. Envision Scientific Private Limited   | 2019225908 | Panavision International, L.P.                       |
| 2018315503 | Laki Power Ehf   | 2019228344 | Martinez Orts, C.                                    |
|            |  | 2019233508 | Score Music Productions Limited                      |
|            |  | 2019236631 | salesforce.com, inc.                                 |
|            |  | 2019244348 | Pandrol Limited                                      |
|            |  | 2019245399 | Kimberly-Clark Worldwide, Inc.                       |
|            |  | 2019245440 | ESCO Group LLC                                       |
|            |  | 2019247705 | Bio Minerals N.V.                                    |
|            |  | 2019249468 | Rigaku Corporation                                   |



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| 2019250451 | Haldor Topsøe A/S  | 2019381854 | The University of Queensland; Cotton Research and Development Corporation |
| 2019251767 | Clarity Pharmaceuticals Ltd  | 2019388551 | Ghost Robotics Corporation  |
| 2019252312 | Borges Agricultural & Industrial Edible Oils S.A.U.  | 2019393993 | Wavebreaker AB  |
| 2019253420 | Bayer HealthCare LLC   | 2019399939 | Lynk Pharmaceuticals Co. Ltd.   |
| 2019254266 | igus GmbH  | 2019446568 | Halliburton Energy Services, Inc.   |
| 2019254487 | Vianex S.A.  | 2019479120 | Vector Vitale IP LLC  |
| 2019256582 | Croda International PLC  | 2020203722 | Engineering & Industrial Solutions Group Pty Ltd                          |
| 2019256619 | CPS Technology Holdings LLC  | 2020204586 | Vorwerk & Co. Interholding GmbH   |
| 2019257147 | Custom Wheel House, LLC  | 2020234723 | The University of Melbourne   |
| 2019260015 | Bayer Animal Health GmbH   | 2020272983 | Carbofex Oy   |
| 2019260291 | Devico AS  | 2020274226 | Meyer Burger (Germany) GmbH   |
| 2019262016 | Enanta Pharmaceuticals, Inc.   | 2020283805 | Danimer IPCo, LLC   |
| 2019263235 | Premier Brands IP LLC  | 2020310808 | Safekick Americas LLC   |
| 2019264448 | HySiLabs, SAS  | 2020318114 | SinoCellTech Ltd.   |
| 2019268260 | Hollister Incorporated   | 2020321271 | Studiengesellschaft Kohle mbH   |
| 2019268408 | Renergi Pty Ltd  | 2020337329 | Boston Scientific Scimed, Inc.  |
| 2019268675 | Lotte Co., Ltd.  | 2020344408 | NUC Electronics Co., Ltd.   |
| 2019270394 | CTXT PTY LTD   | 2020347945 | Novartis AG   |
| 2019271131 | Outer, Inc.  | 2020364556 | Mitsubishi Heavy Industries, Ltd.   |
| 2019274932 | BAE Systems plc  | 2020377876 | Intercontinental Great Brands LLC   |
| 2019275577 | Borealis Technical Limited   | 2020396188 | Inventio AG   |
| 2019276992 | Inspire Medical Systems, Inc.  | 2020398425 | CJ CheilJedang Corporation  |
| 2019277095 | Avent, Inc.  | 2020403127 | Cricut, Inc.  |
| 2019277217 | Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children) | 2020407128 | W. L. Gore & Associates, Inc.   |
| 2019277256 | BNNT, LLC  | 2020428569 | Boston Scientific Neuromodulation Corporation                             |
| 2019278786 | The Secretary of State for Defence   | 2020439415 | One Home Brands, Inc.   |
| 2019279894 | Aspen Aerogels, Inc.   | 2020440911 | JH Biotech, Inc.  |
| 2019282189 | Novozymes A/S; Puratos NV/SA   | 2020448850 | Sagar Defence Engineering Private Limited                                 |
| 2019285176 | CareFusion 303, Inc.   | 2020459888 | Huawei Technologies Co., Ltd.   |
| 2019289788 | UCB Pharma GmbH  | 2020471015 | GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.                                   |
| 2019289986 | PGS Geophysical AS   | 2020483756 | RAZER (ASIA-PACIFIC) PTE. LTD.  |
| 2019290138 | PGS Geophysical AS; TENGHAMN, S.R.L.   | 2020483948 | HUAWEI TECHNOLOGIES CO., LTD.   |
| 2019291267 | Haygrove Limited   | 2021200200 | PDS Biotechnology Corporation   |
| 2019295360 | Tokamak Energy Ltd   | 2021200348 | IGM BIOSCIENCES, INC.   |
| 2019295557 | Harsco Technologies LLC  | 2021200715 | Ohio State Innovation Foundation  |
| 2019296895 | Clariant International Ltd; SACHEM Europe B.V.   | 2021200878 | Windgap Medical, Inc.   |
| 2019298254 | Fibracast LTD.   | 2021202085 | Merus N.V.  |
| 2019299666 | Pfizer Inc.  | 2021202172 | Kunming University of Science and Technology                              |
| 2019300376 | TERNA MAG S.A  | 2021208629 | Great Plains Manufacturing, Inc.  |
| 2019308722 | Association pour la Recherche et le Developpement des Methodes et Processus Industriels "ARMINES"  | 2021209248 | SORSE TECHNOLOGY CORPORATION  |
| 2019309025 | BASF SE  | 2021210621 | Ocado Innovation Limited  |
| 2019310359 | The Governors of the University of Alberta   | 2021218116 | Memorial Sloan-Kettering Cancer Center                                    |
| 2019312584 | Crown Equipment Corporation  | 2021221571 | Ausplow Pty. Ltd.   |
| 2019316286 | Ibrum Technologies   | 2021222407 | JK-Holding GmbH   |
| 2019319093 | DEMAC, S.A.  | 2021225272 | Peking University Third Hospital  |
| 2019320827 | Cepheid  | 2021227525 | Caterpillar Inc.  |
| 2019323455 | TransThera Sciences (Nanjing), Inc.  | 2021228640 | Becton, Dickinson and Company   |
| 2019324566 | Precision Planting LLC   | 2021230101 | AstraZeneca AB  |
| 2019328575 | HCW Biologics, Inc.  | 2021231547 | Ocado Innovation Limited  |
| 2019335612 | Lumus Ltd.   | 2021241525 | YETI Coolers, LLC   |
| 2019336031 | ACT Therapeutics Inc.  | 2021242208 | Apple Inc.  |
| 2019341703 | Denka Company Limited  | 2021246806 | ZTE Corporation   |
| 2019342744 | Abiomed, Inc.  | 2021257637 | Bongartz, N.  |
| 2019344978 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.   | 2021260109 | Astrazeneca AB  |
| 2019348192 | IGO Limited  | 2021269372 | Alnylam Pharmaceuticals, Inc.   |
| 2019348630 | ITALFARMACO S.P.A.   | 2021270571 | Johnson Controls Tyco IP Holdings LLP                                     |
| 2019351320 | Changchun Meihe Science and Technology Development Co., Ltd.   | 2021273886 | Huawei Technologies Co., Ltd.   |
| 2019355802 | Equifax Inc.   | 2021275650 | Ur24Technology, Inc   |
| 2019359166 | Curovir AB   | 2021276867 | CJ CheilJedang Corporation  |
| 2019359191 | Dolby Laboratories Licensing Corporation; Dolby International AB   | 2021277813 | Mitsubishi Heavy Industries, Ltd.   |
| 2019359540 | Pfizer Inc.  | 2021283869 | Enphase Energy, Inc.  |
| 2019363274 | Anaconda Biomed, SL  | 2021290222 | Institute of Engineering Thermophysics, Chinese Academy of Sciences       |
| 2019370339 | Shandong New Time Pharmaceutical Co., Ltd.   | 2021290841 | Dräger Safety AG & Co. KGAA   |
| 2019374409 | Arhel Projektiranje In Inzeniring D.O.O.   | 2021294346 | W. L. Gore & Associates, Inc.   |
|            |  | 2021295256 | International Business Machines Corporation                               |
|            |  | 2021298249 | ViiV Healthcare Company   |
|            |  | 2021300620 | International Business Machines Corporation                               |
|            |  | 2021308770 | SMS Group GmbH  |
|            |  | 2021309906 | SynIQ KFT.  |
|            |  | 2021310475 | JelliSee Ophthalmics, Inc.  |

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| 2021310494 | UOP LLC  | 2022215161 | Applied Medical Resources Corporation   |
| 2021313356 | Essilor International  | 2022216431 | DEEPMIND TECHNOLOGIES LIMITED   |
| 2021315596 | Baker Hughes Oilfield Operations LLC   | 2022216535 | OCTOPUS ENERGY HEATING LIMITED  |
| 2021318814 | ABB Schweiz AG   | 2022217363 | VESTESAN HYBRID ENERGY APS  |
| 2021321287 | Wing Aviation LLC  | 2022218572 | Precision Planting LLC  |
| 2021325237 | Vivo Mobile Communication Co., Ltd.  | 2022218780 | BOSTON SCIENTIFIC SCIMED INC.   |
| 2021326289 | Ocado Innovation Limited   | 2022228168 | The ESAB Group Inc.   |
| 2021336772 | Colgate-Palmolive Company  | 2022228221 | Orison Inc.   |
| 2021340898 | CASE WESTERN RESERVE UNIVERSITY; THE DEPARTMENT OF VETERAN AFFAIRS   | 2022231710 | i-SENS, Inc.  |
| 2021343368 | Vivo Mobile Communication Co., Ltd.  | 2022231747 | Schlumberger Technology B.V.  |
| 2021343996 | Chongqing Haier Refrigeration Electric Appliance Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd. | 2022231801 | Contemporary Ampere Technology Co., Limited   |
| 2021349101 | International Business Machines Corporation  | 2022234308 | BUNGIE, INC.  |
| 2021349207 | Boston Scientific Scimed, Inc.   | 2022240688 | SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD.   |
| 2021351003 | NUOVO PIGNONE TECNOLOGIE - S.R.L.  | 2022240835 | SKYLO TECHNOLOGIES, INC.  |
| 2021351114 | Hettich-ONI GmbH & Co. KG  | 2022240881 | KONINKLIJKE PHILIPS N.V.  |
| 2021351885 | Siemens Aktiengesellschaft   | 2022246474 | ConMed Corporation  |
| 2021355246 | DNP FINE CHEMICALS CO., LTD.   | 2022250944 | HITACHI, LTD.   |
| 2021356089 | International Business Machines Corporation  | 2022256096 | Baxter International Inc.; Baxter Healthcare SA   |
| 2021368924 | GUANGZHOU HENOVCOM BIOSCIENCE CO., LTD.  | 2022256098 | Eloxx Pharmaceuticals Ltd.  |
| 2021369744 | SPEER, T.  | 2022259744 | Merck Sharp & Dohme LLC.  |
| 2021378282 | ZIMMER, INC.   | 2022259771 | Huawei Technologies Co., Ltd.   |
| 2021380806 | International Business Machines Corporation  | 2022262730 | THE INSIDES COMPANY LIMITED   |
| 2021382771 | NINGBO COMBIREG PHARMACEUTICAL TECHNOLOGY CO., LTD.  | 2022265940 | Toshiba Energy Systems & Solutions Corporation  |
| 2021389120 | LUMENIS LTD  | 2022268343 | WearOptimo Pty Ltd  |
| 2021389969 | HITGEN INC.  | 2022275400 | Minerva Biotechnologies Corporation   |
| 2021393964 | INTERNATIONAL BUSINESS MACHINES CORPORATION  | 2022279597 | DEEPMIND TECHNOLOGIES LIMITED   |
| 2021398915 | INTERNATIONAL BUSINESS MACHINES CORPORATION  | 2022281319 | LIVEPERSON, INC.  |
| 2021399076 | MEDIMMUNE LIMITED  | 2022283744 | SUPERSONIC IMAGINE  |
| 2021401669 | COLGATE-PALMOLIVE COMPANY  | 2022291563 | Syqe Medical Ltd.   |
| 2021402785 | WUHAN RESEARCH INSTITUTE OF MATERIALS PROTECTION   | 2022291630 | SkyVenture International (UK) Ltd.  |
| 2021403382 | TOKAMAK ENERGY LTD   | 2022304902 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)   |
| 2021406791 | JFE STEEL CORPORATION  | 2022311574 | EPL LIMITED   |
| 2021409567 | PAYPAL, INC.   | 2022315142 | CATERPILLAR INC.  |
| 2021412803 | BLUE BUFFALO ENTERPRISES, INC.   | 2022335875 | Colgate-Palmolive Company   |
| 2021420762 | SIEMENS AKTIENGESELLSCHAFT   | 2022341787 | PEARLSINMIRE CO., LTD.  |
| 2021427367 | HITACHI, LTD.  | 2022368363 | SICHUAN ZHONGSHENG MATRIX TECHNOLOGY DEVELOPMENT CO., LTD.  |
| 2021428650 | MITSUBISHI ELECTRIC CORPORATION  | 2022370058 | XGS ENERGY, INC.  |
| 2021428799 | MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.  | 2022379903 | SHANGHAI ERSHIYE CONSTRUCTION CO., LTD;   |
| 2021441277 | Bright Dairy & Food Co., Ltd   | 2022384750 | CHINA MCC20 GROUP CORP LTD  |
| 2021442185 | Hitachi Energy Ltd   | 2022407713 | CONDUIT UK MANAGEMENT LTD   |
| 2022200036 | MAX CO., LTD.  | 2022428601 | ROGERS, A.; GROSSET WINERY PTY LTD  |
| 2022201040 | Wonderland Switzerland AG  | 2023200258 | DAIKIN INDUSTRIES, LTD.   |
| 2022202077 | Formosa Saint Jose Corp.   | 2023200871 | Getac Technology Corporation  |
| 2022202196 | FUJIFILM Business Innovation Corp.   | 2023200894 | Werner Co.  |
| 2022202444 | MedicalTree Patent Ltd   | 2023201095 | Cell Design Labs, Inc.  |
| 2022202491 | Vanadis Diagnostics  | 2023201204 | W. L. Gore & Associates, Inc.   |
| 2022202777 | Ecolab USA Inc.  | 2023201287 | Eximis Surgical Inc.  |
| 2022203112 | Hologic, Inc.  | 2023201360 | PayPal, Inc.  |
| 2022203197 | Hilti Aktiengesellschaft   | 2023201414 | Georgia Tech Research Corporation   |
| 2022203313 | GEISSLER COMPANIES, LLC  | 2023201596 | Ab Initio Technology LLC  |
| 2022203421 | Forge Nano, Inc.   | 2023201598 | Micro Motion, Inc.  |
| 2022204128 | Genzyme Corporation  | 2023201925 | Micro Motion, Inc.  |
| 2022204145 | BIOPREPARATY, SPOL. S R O  | 2023201956 | The Raymond Corporation   |
| 2022204386 | Vorwerk & Co. Interholding GmbH  | 2023201956 | Hypertunnel IP Limited  |
| 2022204424 | PepsiCo, Inc.  | 2023202122 | Tencent America LLC   |
| 2022204589 | Intuit Inc.  | 2023202473 | Siemens Mobility GmbH   |
| 2022204841 | Fisher & Paykel Healthcare Limited   | 2023203051 | QINGDAO HAIER NEW ENERGY APPLIANCE CO., LTD.; QINGDAO ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE HAIER WATER HEATER CO., LTD.; Zhengzhou Haier New Energy Technology Co., Ltd.; Haier Smart Home Co., Ltd. |
| 2022204920 | Ocean Cleaner, LLC   | 2023203376 | Chiyoda Corporation   |
| 2022205176 | Evolva SA  | 2023203733 | J & S Joyce Pty Ltd   |
| 2022205269 | Hangzhou DAC Biotech Co., Ltd  | 2023203992 | Precision Planting LLC  |
| 2022206765 | Maximum Soil and Water Productivity Pty Ltd  | 2023203997 | Alpha Tau Medical Ltd.  |
| 2022206809 | Hangzhou DAC Biotech Co., Ltd  | 2023204288 | Genex Corporation   |
| 2022209253 | Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.  | 2023204302 | Willand (Beijing) Technology Co., LTD.  |
|            |  | 2023204608 | Apple Inc.  |
|            |  | 2023206074 | Hydro Limited   |

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| <b>2023207420</b> | Versuni Holding B.V.   |
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| <b>2023216763</b> | Anteris Technologies Corporation   |
| <b>2023219995</b> | Nextracker Inc.  |
| <b>2023241269</b> | OASIS AEROSPACE INC.   |
| <b>2023251513</b> | TRINA SOLAR CO., LTD.  |
| <b>2023262616</b> | SERODUS APS  |
| <b>2023278058</b> | Jinan Fruit Research Institute, All China Federation of<br>Supply and Marketing Cooperatives |
| <b>2023327765</b> | CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD.  |

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| 2021221571               | <b><u>A01N 1 /-</u></b>  |                          | 2022204386               | 2021313356                | 2019270394               |
| 2022206765               | 2019296895               | <b><u>A23K 40 /-</u></b> | <b><u>A47J 19 /-</u></b> | 2021340898                | 2019289788               |
| 2023203992               | 2022204128               | 2018328142               |                          | 2021401669                | 2019296895               |
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| 2022206765               | 2019282189               | 2017238300               | <b><u>A47K 11 /-</u></b> | <b><u>A61F 5 /-</u></b>   | 2023203997               |
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| <b><u>A61K 39/-</u></b> | 2017376801              | <b><u>A61M 5/-</u></b>  | 2021399076              | 2018293413              | <b><u>B01D 63/-</u></b> |
| 2017247880              | 2017382281              | 2018312099              | 2023262616              |                         | 2019298254              |
| 2017270027              | 2018254485              | 2021200878              | <b><u>A61P 31/-</u></b> | <b><u>A62C 4/-</u></b>  | 2023201095              |
| 2017281940              | 2018301320              | 2021228640              | 2018391325              | 2018293413              | <b><u>B01D 65/-</u></b> |
| 2017321863              | 2018304534              | 2022202444              | 2019359166              |                         | 2019298254              |
| 2017343377              | 2018312099              | <b><u>A61M 60/-</u></b> | 2022206809              | <b><u>A63B 21/-</u></b> |                         |
| 2017376801              | 2019247705              | 2019342744              | <b><u>A61P 35/-</u></b> | 2023206074              | <b><u>B01D 67/-</u></b> |
| 2017382281              | 2019254487              | 2022218780              |                         | <b><u>A63B 23/-</u></b> | 2021294346              |
| 2018277310              | 2019296895              | <b><u>A61N 1/-</u></b>  | 2017343377              | 2023206074              | <b><u>B01D 69/-</u></b> |
| 2019256582              | 2019348630              | 2018389222              | 2017380099              |                         | 2021294346              |
| 2019359540              | 2020234723              | 2019203401              | 2018254485              | <b><u>A63B 24/-</u></b> |                         |
| 2019370339              | 2021200200              | 2020428569              | 2018271991              | 2023206074              | <b><u>B01D 71/-</u></b> |
| 2021200200              | 2021209248              | <b><u>A61N 5/-</u></b>  | 2018284104              |                         | 2021294346              |
| 2021200348              | 2021260109              | 2023203997              | 2018382539              | <b><u>A63B 69/-</u></b> |                         |
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| 2022341787              | 2018350770              | 2019299666              | 2019270394              |                         | 2019279894              |
| <b><u>A61K 45/-</u></b> | <b><u>A61L 2/-</u></b>  | 2021225272              | 2019323455              | <b><u>A63G 31/-</u></b> |                         |
| 2018280264              | 2019209450              | <b><u>A61P 11/-</u></b> | 2019370339              | 2022291630              | <b><u>B01J 19/-</u></b> |
| 2018282104              | 2019320827              | 2021225272              | 2021202085              | <b><u>A63H 11/-</u></b> | 2018346876              |
| 2021225272              | 2021277813              | 2021225272              | 2021369744              | 2019388551              | 2019268408              |
| 2022206809              | <b><u>A61L 27/-</u></b> | 2021225272              | 2021382771              | <b><u>B01D 1/-</u></b>  | <b><u>B01J 2/-</u></b>  |
| 2022341787              | 2018351687              | <b><u>A61P 13/-</u></b> | 2022206809              | 2023278058              | 2018334198              |
| <b><u>A61K 47/-</u></b> | 2018391673              | 2018282104              | 2022240688              | <b><u>B01D 11/-</u></b> | 2022203421              |
| 2017380099              | 2023216763              | 2019323455              | 2022341787              | 2019348192              | <b><u>B01J 8/-</u></b>  |
| 2018254485              | <b><u>A61L 31/-</u></b> | <b><u>A61P 15/-</u></b> | 2023203997              | <b><u>B01D 15/-</u></b> | 2022203421              |
| 2019247705              | 2018313122              | 2019323455              | <b><u>A61P 37/-</u></b> | 2023201095              | <b><u>B02C 2/-</u></b>  |
| 2022205269              | <b><u>A61L 9/-</u></b>  | <b><u>A61P 17/-</u></b> | 2019270394              | <b><u>B01D 17/-</u></b> | 2018334198              |
| <b><u>A61K 48/-</u></b> | <b><u>A61M 1/-</u></b>  | 2017238300              | 2019299666              | 2018357084              | <b><u>B05B 11/-</u></b> |
| 2017254106              | 2018350770              | 2018295515              | 2019370339              | <b><u>B01D 19/-</u></b> | 2018346278              |
| 2019277217              | 2022246474              | 2019296895              | 2019399939              | 2019348192              | <b><u>B05C 19/-</u></b> |
| <b><u>A61K 49/-</u></b> | <b><u>A61M 11/-</u></b> | 2019323455              | 2022384750              | <b><u>B01D 15/-</u></b> | 2022203421              |
| 2017270027              | 2022291563              | <b><u>A61P 19/-</u></b> | <b><u>A61P 43/-</u></b> | 2023201095              | <b><u>B02C 2/-</u></b>  |
| 2018244449              | <b><u>A61M 15/-</u></b> | 2018282104              | 2018328142              | <b><u>B01D 17/-</u></b> | 2018334198              |
| 2018280870              | 2022291563              | 2019323455              | <b><u>A61P 7/-</u></b>  | 2018357084              | <b><u>B05B 11/-</u></b> |
| 2020337329              | <b><u>A61M 16/-</u></b> | 2019299666              | 2019359540              | <b><u>B01D 19/-</u></b> | 2018346278              |
| 2021200715              | 2022204841              | 2019323455              | 2021230101              | 2019348192              | <b><u>B05C 19/-</u></b> |
| <b><u>A61K 51/-</u></b> | <b><u>A61M 25/-</u></b> | <b><u>A61P 25/-</u></b> | <b><u>A61P 9/-</u></b>  | <b><u>B01D 15/-</u></b> | 2018350770              |
| 2017281940              | 2018307969              | 2018286483              | 2017256774              | 2023201095              | <b><u>B05D 1/-</u></b>  |
| 2018382539              | 2018341924              | 2019289788              | 2019323455              | <b><u>B01D 17/-</u></b> | 2018334198              |
| 2019251767              | 2022262730              | 2021218116              | 2021225272              | 2018357084              | <b><u>B05B 11/-</u></b> |
| 2021200715              | <b><u>A61M 37/-</u></b> | 2021368924              | <b><u>A61Q 11/-</u></b> | 2019381854              | 2018350770              |
| 2021369744              | 2018312099              | <b><u>A61P 27/-</u></b> | 2020234723              | <b><u>B01D 29/-</u></b> | <b><u>B07B 1/-</u></b>  |
| 2023203997              | <b><u>A61M 39/-</u></b> | 2019323455              | 2021336772              | 2018430735              | 2019200382              |
| <b><u>A61K 6/-</u></b>  | 2018341924              | <b><u>A61P 29/-</u></b> | 2022335875              | 2021227525              | <b><u>B08B 3/-</u></b>  |
| 2020234723              | 2019285176              | 2018286483              | <b><u>A61Q 17/-</u></b> | <b><u>B01D 3/-</u></b>  | 2022256096              |
| <b><u>A61K 8/-</u></b>  | 2021228640              | 2019296895              | 2019296895              | 2019351320              | <b><u>B09B 3/-</u></b>  |
| 2018282020              | 2022262730              | 2019323455              | <b><u>A61Q 19/-</u></b> | <b><u>B01D 35/-</u></b> | 2021310494              |
| 2018295515              | <b><u>A61M 37/-</u></b> | <b><u>A61P 3/-</u></b>  | 2018295515              | 2018430735              | <b><u>B21D 7/-</u></b>  |
| 2019247705              | 2018312099              | 2017256774              | 2021209248              | 2021227525              | 2019222806              |
| 2019296895              | 2018341924              | 2018370761              | <b><u>A62C 2/-</u></b>  | 2023278058              | <b><u>B21F 15/-</u></b> |
| 2020234723              | 2019285176              | <b><u>A61P 37/-</u></b> | 2018293413              | <b><u>B01D 53/-</u></b> | 2022200036              |
| 2021336772              | 2021228640              |                         |                         |                         |                         |
| 2022335875              | 2022262730              |                         |                         |                         |                         |

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|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| <b>B21F 7 /-</b>  | <b>B41M 3 /-</b>  | <b>B61H 13 /-</b> | 2018322694        | 2018293909         | <b>C07C 275 /-</b> |
| 2022200036        | 2018386717        | 2019295557        | <b>B65D 90 /-</b> | <b>C02F 1 /-</b>   | 2022206809         |
| <b>B22F 1 /-</b>  | <b>B41M 5 /-</b>  | <b>B61H 7 /-</b>  | 2018322694        | 2018430735         | <b>C07C 29 /-</b>  |
| 2021403382        | 2021355246        | 2019295557        | <b>B65G 1 /-</b>  | 2023278058         | 2019351320         |
| 2022203421        | <b>B42D 25 /-</b> | <b>B61L 25 /-</b> | 2021210621        | <b>C02F 9 /-</b>   | <b>C07C 31 /-</b>  |
| <b>B23B 51 /-</b> | 2018386717        | 2022250944        | 2021231547        | 2023278058         | 2019351320         |
| 2022203197        | <b>B60B 21 /-</b> | <b>B62D 57 /-</b> | <b>B65G 11 /-</b> | <b>C03B 9 /-</b>   | <b>C07C 311 /-</b> |
| <b>B25B 25 /-</b> | 2019257147        | 2019388551        | 2018308716        | 2019309025         | 2022206809         |
| 2022200036        | <b>B60K 31 /-</b> | <b>B63G 8 /-</b>  | <b>B65G 53 /-</b> | <b>C03C 11 /-</b>  | <b>C07C 323 /-</b> |
| <b>B26D 1 /-</b>  | 2019312584        | 2018389953        | 2018308716        | 2019309025         | 2018391325         |
| 2020403127        | <b>B60L 15 /-</b> | <b>B64C 13 /-</b> | <b>B66B 5 /-</b>  | <b>C03C 12 /-</b>  | <b>C07D 207 /-</b> |
| 2022204386        | 2022250944        | 2020364556        | 2020396188        | 2019381854         | 2022206809         |
| <b>B26D 3 /-</b>  | <b>B60L 3 /-</b>  | <b>B64C 39 /-</b> | <b>B66F 17 /-</b> | <b>C03C 3 /-</b>   | <b>C07D 213 /-</b> |
| 2020403127        | 2019274932        | 2018269543        | 2019312584        | 2019309025         | 2020321271         |
| <b>B26D 5 /-</b>  | <b>B60L 50 /-</b> | 2020448850        | <b>B66F 7 /-</b>  | <b>C04B 22 /-</b>  | 2022206809         |
| 2020403127        | 2019256619        | <b>B64D 45 /-</b> | 2019202419        | 2019341703         | <b>C07D 215 /-</b> |
| <b>B27K 3 /-</b>  | 2019274932        | 2020364556        | <b>B66F 9 /-</b>  | <b>C04B 28 /-</b>  | 2019260015         |
| 2019206435        | <b>B60L 53 /-</b> | <b>B64D 47 /-</b> | 2019202421        | 2022379903         | <b>C07D 217 /-</b> |
| <b>B27K 5 /-</b>  | 2018267611        | 2019275577        | 2019312584        | <b>C04B 32 /-</b>  | 2020321271         |
| 2019206435        | 2019256619        | 2020364556        | <b>C01B 21 /-</b> | 2019279894         | <b>C07D 241 /-</b> |
| <b>B29B 17 /-</b> | <b>B60L 58 /-</b> | <b>B64F 1 /-</b>  | 2019277256        | <b>C04B 35 /-</b>  | 2022384750         |
| 2021310494        | 2019256619        | 2019275577        | <b>C01B 25 /-</b> | 2019277256         | <b>C07D 243 /-</b> |
| <b>B29C 44 /-</b> | <b>B60N 2 /-</b>  | <b>B65B 13 /-</b> | 2019256582        | <b>C04B 41 /-</b>  | 2021382771         |
| 2023203051        | 2018226466        | 2022200036        | <b>C01B 3 /-</b>  | 2022203421         | <b>C07D 249 /-</b> |
| <b>B29C 53 /-</b> | 2019271131        | <b>B65D 19 /-</b> | 2019264448        | <b>C05F 11 /-</b>  | 2019299666         |
| 2018301320        | 2022201040        | 2018322694        | 2019268408        | 2018287094         | <b>C07D 333 /-</b> |
| <b>B29C 59 /-</b> | <b>B60P 1 /-</b>  | <b>B65D 30 /-</b> | <b>C01B 32 /-</b> | <b>C05G 3 /-</b>   | 2019270394         |
| 2018386717        | 2022315142        | 2020377876        | 2018260824        | 2018249817         | 2021368924         |
| <b>B32B 15 /-</b> | <b>B60P 3 /-</b>  | <b>B65D 33 /-</b> | <b>C01B 33 /-</b> | <b>C05G 5 /-</b>   | <b>C07D 401 /-</b> |
| 2022311574        | 2019203065        | 2020377876        | 2019221553        | 2020283805         | 2019217366         |
| <b>B32B 27 /-</b> | <b>B60R 21 /-</b> | <b>B65D 41 /-</b> | 2019381854        | <b>C07B 37 /-</b>  | 2019289788         |
| 2022311574        | 2022201040        | 2022407713        | <b>C01B 35 /-</b> | 2020321271         | 2019323455         |
| <b>B41J 11 /-</b> | <b>B60R 9 /-</b>  | <b>B65D 51 /-</b> | 2018366053        | 2020321271         | 2019399939         |
| 2022202196        | 2022202077        | 2022407713        | <b>C01F 11 /-</b> | <b>C07B 43 /-</b>  | <b>C07D 403 /-</b> |
| <b>B41J 13 /-</b> | <b>B60W 10 /-</b> | <b>B65D 75 /-</b> | 2018293909        | 2020321271         | 2019251767         |
| 2022202196        | 2018388395        | 2020377876        | <b>C01F 5 /-</b>  | <b>C07B 59 /-</b>  | 2019399939         |
| <b>B41J 2 /-</b>  | <b>B60W 30 /-</b> | <b>B65D 81 /-</b> | 2019300376        | 2021369744         | 2022206809         |
| 2021355246        | 2019312584        | 2021412803        | <b>C01F 7 /-</b>  | <b>C07C 243 /-</b> | 2019217366         |
| 2022202196        | <b>B60W 50 /-</b> | <b>B65D 88 /-</b> | 2019256582        | 2022206809         | 2019399939         |
|                   | 2018388395        | <b>C01G 21 /-</b> |                   |                    | 2021382771         |
|                   |                   |                   |                   |                    | 2022240688         |
|                   |                   |                   |                   |                    | <b>C07D 409 /-</b> |

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| 2019270394<br>2020321271  | 2021399076<br>2023200894<br>2023262616 | <b><u>C08L 71 /-</u></b>  | <b><u>C12M 1 /-</u></b>                | <b><u>C12P 21 /-</u></b> | <b><u>C25B 1 /-</u></b>  |
| <b><u>C07D 417 /-</u></b> | <b><u>C07K 16 /-</u></b>               | 2020337329                | 2019219295<br>2021294346<br>2022204128 | 2018294504               | 2019250451               |
| 2019217366                | 2017247880                             | <b><u>C08L 75 /-</u></b>  | <b><u>C12M 3 /-</u></b>                | <b><u>C12P 7 /-</u></b>  | <b><u>C25B 15 /-</u></b> |
| <b><u>C07D 471 /-</u></b> | 2017270027                             | 2019206435                | 2021294346<br>2022204128               | 2018334198               | 2019250451               |
| 2019289788                | 2017343377                             | <b><u>C08L 97 /-</u></b>  | <b><u>C12N 1 /-</u></b>                | <b><u>C12Q 1 /-</u></b>  | <b><u>C25C 3 /-</u></b>  |
| <b><u>C07D 487 /-</u></b> | 2017376801                             | 2018334198                | 2018249817                             | 2018244449               | 2022304902               |
| 2019299666                | 2018277310                             | <b><u>C09C 1 /-</u></b>   | 2018252745                             | 2018259206               | <b><u>C25D 11 /-</u></b> |
| 2019359166                | 2019336031                             | 2019247705                | 2018287094                             | 2018334226               | 2021406791               |
| <b><u>C07D 491 /-</u></b> | 2019359540                             | <b><u>C09D 11 /-</u></b>  | 2018294504                             | 2018335382               | <b><u>C25D 3 /-</u></b>  |
| 2019323455                | 2019370339                             | 2021355246                | 2021441277<br>2022205176               | 2018348092               | 2021406791               |
| <b><u>C07D 493 /-</u></b> | 2021200348                             | <b><u>C09K 8 /-</u></b>   | <b><u>C12N 13 /-</u></b>               | 2022202491               | <b><u>C25D 5 /-</u></b>  |
| 2022240688                | 2021200715                             | 2019446568                | 2018312099                             | <b><u>C12R 1 /-</u></b>  | 2021406791               |
| <b><u>C07D 495 /-</u></b> | 2020318114                             | 2022231747                | <b><u>C12N 15 /-</u></b>               | 2018287094<br>2021441277 | <b><u>C40B 30 /-</u></b> |
| 2019270394                | <b><u>C07K 5 /-</u></b>                | <b><u>C10B 47 /-</u></b>  | 2017352591                             | <b><u>C22B 1 /-</u></b>  | 2021389969               |
| <b><u>C07F 15 /-</u></b>  | 2018391325                             | 2020272983                | 2017376801                             | 2022304902               | <b><u>C40B 40 /-</u></b> |
| 2020321271                | 2022206809                             | <b><u>C10B 49 /-</u></b>  | 2018222453                             | <b><u>C22B 11 /-</u></b> | 2019310359               |
| <b><u>C07F 7 /-</u></b>   | <b><u>C07K 7 /-</u></b>                | 2020272983                | 2018252745                             | 2018340866               | 2021389969               |
| 2019221553                | 2018295515                             | <b><u>C10B 53 /-</u></b>  | 2018286483                             | <b><u>C22B 15 /-</u></b> | <b><u>C40B 50 /-</u></b> |
| <b><u>C07F 9 /-</u></b>   | 2022259744                             | 2020272983                | 2019277217                             | 2021308770               | 2019310359               |
| 2019270394                | <b><u>C07K 9 /-</u></b>                | <b><u>C10B 7 /-</u></b>   | 2019370339                             | <b><u>C22B 23 /-</u></b> | <b><u>D01D 5 /-</u></b>  |
| <b><u>C07H 1 /-</u></b>   | 2023262616                             | 2020272983                | 2020318114<br>2021276867               | 2019348192               | 2019221553               |
| 2018413277                | <b><u>C08G 18 /-</u></b>               | <b><u>C10G 3 /-</u></b>   | <b><u>C12N 5 /-</u></b>                | <b><u>C22B 26 /-</u></b> | <b><u>D04H 11 /-</u></b> |
| <b><u>C07H 15 /-</u></b>  | 2021402785                             | 2019268408                | 2018240416                             | 2022304902               | 2018350770               |
| 2018413277                | <b><u>C08G 65 /-</u></b>               | <b><u>C10G 65 /-</u></b>  | 2018335382                             | <b><u>C22B 3 /-</u></b>  | <b><u>E01B 3 /-</u></b>  |
| 2022256098                | 2020337329                             | 2019268408                | 2019336031<br>2021218116               | 2018293909               | 2018200807               |
| <b><u>C07H 21 /-</u></b>  | <b><u>C08G 77 /-</u></b>               | <b><u>C10K 1 /-</u></b>   | 2019277217                             | 2019348192               | <b><u>E01B 9 /-</u></b>  |
| 2017254106                | 2019264448                             | 2019218392                | <b><u>C12N 7 /-</u></b>                | 2019381854               | 2018296004               |
| 2018254485                | <b><u>C08J 11 /-</u></b>               | <b><u>C10L 5 /-</u></b>   | <b><u>C12N 9 /-</u></b>                | 2023206271               | <b><u>E01C 13 /-</u></b> |
| 2021369744                | 2021310494                             | 2020272983                | 2019374409                             | <b><u>C22B 47 /-</u></b> | 2019244348               |
| <b><u>C07H 5 /-</u></b>   | <b><u>C08J 3 /-</u></b>                | <b><u>C10M 169 /-</u></b> | 2020398425                             | 2023206271               | <b><u>E01F 8 /-</u></b>  |
| 2022256098                | 2018391673                             | 2022202777                | 2021230101                             | <b><u>C22B 5 /-</u></b>  | 2018296004               |
| <b><u>C07K 1 /-</u></b>   | <b><u>C08K 3 /-</u></b>                | <b><u>C11D 11 /-</u></b>  | 2021276867                             | 2021308770               | <b><u>E01F 8 /-</u></b>  |
| 2019374409                | 2021402785                             | <b><u>C11D 17 /-</u></b>  | <b><u>C12P 1 /-</u></b>                | <b><u>C22B 59 /-</u></b> | 2019393993               |
| 2023201095                | <b><u>C08K 5 /-</u></b>                | 2019320827                | 2019218392                             | 2018293909               | <b><u>E02B 15 /-</u></b> |
| <b><u>C07K 14 /-</u></b>  | 2020337329                             | 2020439415                | <b><u>C12P 13 /-</u></b>               | 2022304902               | 2022204920               |
| 2019277217                | <b><u>C08L 5 /-</u></b>                | <b><u>C11D 17 /-</u></b>  | 2020398425                             | <b><u>C22B 60 /-</u></b> | <b><u>E02F 9 /-</u></b>  |
| 2019310359                | 2020337329                             | 2019320827                | 2021276867                             | 2018293909               | 2018324360               |
| 2019328575                | 2018391673                             | 2020439415                | <b><u>C12P 15 /-</u></b>               | <b><u>C22B 7 /-</u></b>  | 2019204070               |
| 2019336031                | 2019320827                             | <b><u>C11D 3 /-</u></b>   | 2022205176                             | 2021308770               | 2019245440               |
| 2019374409                | <b><u>C08L 63 /-</u></b>               | 2019320827                | <b><u>C12P 19 /-</u></b>               | <b><u>C23C 16 /-</u></b> | <b><u>E03F 1 /-</u></b>  |
| 2020318114                | 2022311574                             | 2020439415                | 2021441277<br>2022205176               | 2022203421               | 2018430735               |
| 2020347945                |  |                           |  |                          |                          |
| 2021200200                |  |                           |  |                          |                          |
| 2021230101                |  |                           |  |                          |                          |

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| <b><u>E03F 5 /-</u></b>  | 2023201956               | <b><u>F16B 7 /-</u></b>  | <b><u>F28D 21 /-</u></b> | <b><u>G01N 33 /-</u></b> | <b><u>G02B 26 /-</u></b> |
| 2018430735               | <b><u>F01D 19 /-</u></b> | 2018286637               | 2019308722               | 2017270027               | 2019278786               |
| <b><u>E04B 1 /-</u></b>  | 2021351003               | <b><u>F16F 15 /-</u></b> | <b><u>F28D 9 /-</u></b>  | 2017343377               | <b><u>G02B 27 /-</u></b> |
| 2018286637               | <b><u>F01D 25 /-</u></b> | 2021270571               | 2022428601               | 2018215245               | 2019335612               |
| 2023203733               | 2022265940               | <b><u>F16H 7 /-</u></b>  | <b><u>F28F 3 /-</u></b>  | 2018235021               | <b><u>G02B 6 /-</u></b>  |
| <b><u>E04B 5 /-</u></b>  | <b><u>F02C 3 /-</u></b>  | 2023214393               | 2022428601               | 2018253025               | 2018401777               |
| 2018204382               | 2021351003               | <b><u>F16H 9 /-</u></b>  | <b><u>F41A 9 /-</u></b>  | 2018254584               | 2019335612               |
| 2023203733               | <b><u>F02C 6 /-</u></b>  | 2023214393               | 2018328049               | 2018455220               | <b><u>G02B 7 /-</u></b>  |
| <b><u>E04C 3 /-</u></b>  | 2021290222               | <b><u>F16L 35 /-</u></b> | <b><u>F42B 39 /-</u></b> | 2019310359               | 2019225908               |
| 2023203733               | <b><u>F02C 7 /-</u></b>  | 2018341924               | 2018328049               | 2021200715               | <b><u>G02C 11 /-</u></b> |
| <b><u>E04F 10 /-</u></b> | 2021351003               | <b><u>F17C 13 /-</u></b> | <b><u>G01B 11 /-</u></b> | 2021290841               | 2021313356               |
| 2019203065               | <b><u>F03B 13 /-</u></b> | 2017420127               | 2021389120               | <b><u>G01N 9 /-</u></b>  | <b><u>G02C 11 /-</u></b> |
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| <b><u>E04H 15 /-</u></b> | 2020471015               | 2022216535               | 2023201596               | <b><u>G01R 19 /-</u></b> | 2021313356               |
| 2019203065               | <b><u>F04B 19 /-</u></b> | 2022216535               | 2023201598               | 2018315503               | <b><u>G02F 1 /-</u></b>  |
| <b><u>E05D 3 /-</u></b>  | 2018397071               | <b><u>F24H 1 /-</u></b>  | <b><u>G01C 21 /-</u></b> | 2021420762               | 2019335612               |
| 2021351114               | <b><u>F04B 7 /-</u></b>  | 2023203051               | 2023204302               | <b><u>G01R 31 /-</u></b> | <b><u>G03G 15 /-</u></b> |
| <b><u>E05F 1 /-</u></b>  | 2018397071               | <b><u>F24H 15 /-</u></b> | 2023201596               | <b><u>G01S 1 /-</u></b>  | 2022202196               |
| 2018277504               | <b><u>F04B 9 /-</u></b>  | 2022216535               | 2023201598               | <b><u>G01S 11 /-</u></b> | <b><u>G05B 13 /-</u></b> |
| <b><u>E06C 1 /-</u></b>  | 2018397071               | <b><u>F24S 10 /-</u></b> | <b><u>G01F 23 /-</u></b> | <b><u>G01S 11 /-</u></b> | <b><u>G05B 23 /-</u></b> |
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| <b><u>E21B 21 /-</u></b> | 2021270571               | <b><u>F24S 20 /-</u></b> | 2023201598               | <b><u>G01S 13 /-</u></b> | 2021427367               |
| 2020310808               | 2021270571               | <b><u>F24S 25 /-</u></b> | <b><u>G01J 3 /-</u></b>  | <b><u>G01S 13 /-</u></b> | <b><u>G05D 1 /-</u></b>  |
| <b><u>E21B 29 /-</u></b> | 2021270571               | 2020274226               | 2021401669               | 2023201360               | 2023204302               |
| 2021315596               | <b><u>F15B 11 /-</u></b> | <b><u>F24S 80 /-</u></b> | <b><u>G01N 11 /-</u></b> | <b><u>G01S 15 /-</u></b> | <b><u>G05G 5 /-</u></b>  |
| <b><u>E21B 33 /-</u></b> | 2022315142               | 2020274226               | 2023201596               | 2022283744               | 2019204070               |
| 2021315596               | <b><u>F15B 21 /-</u></b> | 2020274226               | 2023201598               | 2023201360               | <b><u>G06F 11 /-</u></b> |
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| 2019260291               | <b><u>F16B 23 /-</u></b> | 2020274226               | 2018253025               | <b><u>G01S 7 /-</u></b>  | 2023204608               |
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| 2018455220               | <b><u>F16B 37 /-</u></b> | <b><u>F25D 23 /-</u></b> | <b><u>G01N 23 /-</u></b> | <b><u>G01V 1 /-</u></b>  | 2023201287               |
| <b><u>E21C 35 /-</u></b> | 2022203197               | 2021343996               | 2021290841               | 2019289986               | <b><u>G06F 17 /-</u></b> |
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| <b><u>E21D 9 /-</u></b>  | 2022203197               | 2020483756               | 2021290841               | 2019290138               | 2021300620               |
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|                          |                          |                          | 2023201596               | 2019225908               | 2019355802               |
|                          |                          |                          | 2023201598               | <b><u>G02B 23 /-</u></b> | 2021349101               |
|                          |                          |                          | <b><u>G01N 30 /-</u></b> |                          | 2023201287               |
|                          |                          |                          | 2023201095               |                          | <b><u>G06F 3 /-</u></b>  |
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| 2021428799               | <b><u>G08B 21 /-</u></b> | 2023203997               | <b><u>H02K 11 /-</u></b> | 2021300620               | 2022228168               |
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| 2019312584               | 2023204608               | <b><u>H01L 31 /-</u></b> | <b><u>H02M 7 /-</u></b>  | <b><u>H04M 19 /-</u></b> | 2021295256               |
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| 2021202172               | 2021403382               | 2022217363               |                          | 2023241269               |                          |

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2019202048 **Orica International Pte Ltd** ( Dyno Nobel Asia Pacific Pty Limited )

2019202048 **Orica International Pte Ltd** ( Radian Global Pty Ltd )

**Patents Granted**

**Standard Patents**

|             |            |            |            |
|-------------|------------|------------|------------|
| 2013335451  | 2016259461 | 2016267960 | 2016332900 |
| 2016369537  | 2017206967 | 2017222399 | 2017231833 |
| 2017240635  | 2017260399 | 2017279704 | 2017281034 |
| 2017287989  | 2017291960 | 2017324550 | 2017332732 |
| 2017336867  | 2017339517 | 2017353378 | 2017374042 |
| 2017385595  | 2017388705 | 2017440221 | 2017440631 |
| 2017442004  | 2017442443 | 2017443355 | 2018202427 |
| 2018204123  | 2018208102 | 2018211246 | 2018219796 |
| 2018220037  | 2018220145 | 2018220728 | 2018220798 |
| 20182222916 | 2018222981 | 2018225666 | 2018230528 |
| 2018231000  | 2018239433 | 2018246050 | 2018249676 |
| 2018250821  | 2018251770 | 2018252930 | 2018254420 |
| 2018254677  | 2018256845 | 2018258064 | 2018260289 |
| 2018261769  | 2018265855 | 2018267948 | 2018269378 |
| 2018271365  | 2018273218 | 2018275487 | 2018276124 |
| 2018277184  | 2018280652 | 2018284330 | 2018285734 |
| 2018291824  | 2018292696 | 2018298936 | 2018300011 |
| 2018308718  | 2018312487 | 2018315423 | 2018318006 |
| 2018319491  | 2018324358 | 2018325435 | 2018330490 |
| 2018333024  | 2018333097 | 2018333283 | 2018335876 |
| 2018343110  | 2018346803 | 2018349140 | 2018352039 |
| 2018352167  | 2018354998 | 2018355002 | 2018360593 |
| 2018370663  | 2018371104 | 2018372526 | 2018373926 |
| 2018376923  | 2018382556 | 2018383990 | 2018386861 |
| 2018386865  | 2018387123 | 2018387884 | 2018388985 |
| 2018389589  | 2018390268 | 2018390955 | 2018392217 |
| 2018393082  | 2018398887 | 2018399079 | 2018401117 |
| 2018402028  | 2018407588 | 2018409883 | 2018417961 |
| 2018421734  | 2018436511 | 2019200501 | 2019200734 |
| 2019201349  | 2019202390 | 2019202898 | 2019203216 |
| 2019203470  | 2019203736 | 2019205379 | 2019207516 |
| 2019211172  | 2019211491 | 2019212319 | 2019212686 |
| 2019220351  | 2019222638 | 2019223959 | 2019225385 |
| 2019227080  | 2019228202 | 2019237292 | 2019240579 |
| 2019240878  | 2019243423 | 2019254838 | 2019256018 |
| 2019256800  | 2019261327 | 2019262442 | 2019264045 |
| 2019266329  | 2019268411 | 2019269021 | 2019273636 |
| 2019276944  | 2019282559 | 2019287483 | 2019291044 |
| 2019298232  | 2019300211 | 2019307996 | 2019312459 |
| 2019315326  | 2019315575 | 2019318120 | 2019339006 |
| 2019360273  | 2019362382 | 2019375096 | 2019377350 |
| 2019384617  | 2019389778 | 2019419905 | 2020201062 |
| 2020224678  | 2020225663 | 2020231147 | 2020231612 |
| 2020232029  | 2020261541 | 2020265713 | 2020297293 |
| 2020317370  | 2020321758 | 2020322938 | 2020329603 |
| 2020331355  | 2020346936 | 2020352698 | 2020354288 |
| 2020355227  | 2020355939 | 2020359012 | 2020359102 |
| 2020360405  | 2020361648 | 2020362203 | 2020363035 |
| 2020371415  | 2020371791 | 2020374208 | 2020376697 |
| 2020377609  | 2020384322 | 2020390428 | 2020391926 |
| 2020393453  | 2020393728 | 2020395883 | 2020402701 |
| 2020405182  | 2020407603 | 2020408410 | 2020409909 |
| 2020411326  | 2020411945 | 2020412660 | 2020415534 |
| 2020419611  | 2020421629 | 2020424661 | 2020425149 |
| 2020429918  | 2020430267 | 2020432229 | 2020440046 |
| 2020442184  | 2020445121 | 2020465080 | 2020466101 |
| 2020469132  | 2021202612 | 2021202895 | 2021203981 |

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2021204038 | 2021204630 | 2021204818 | 2021206754 |
| 2021207044 | 2021209207 | 2021209224 | 2021209682 |
| 2021209910 | 2021211977 | 2021214908 | 2021215022 |
| 2021215331 | 2021221413 | 2021226212 | 2021235230 |
| 2021236824 | 2021238794 | 2021240619 | 2021242475 |
| 2021244290 | 2021250861 | 2021250982 | 2021252492 |
| 2021252970 | 2021254536 | 2021255285 | 2021256983 |
| 2021257981 | 2021259040 | 2021262372 | 2021263690 |
| 2021266385 | 2021267605 | 2021269714 | 2021270309 |
| 2021272046 | 2021272362 | 2021275060 | 2021282825 |
| 2021286372 | 2021286391 | 2021286420 | 2021290024 |
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| 2021339852 | 2021341042 | 2021348459 | 2021350982 |
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| 2021362359 | 2021365129 | 2021368444 | 2021373705 |
| 2021375591 | 2021378077 | 2021387203 | 2021393851 |
| 2021397252 | 2021399646 | 2021407690 | 2021408119 |
| 2021411007 | 2022200119 | 2022200189 | 2022200256 |
| 2022200477 | 2022200573 | 2022200701 | 2022200718 |
| 2022200848 | 2022200974 | 2022200977 | 2022201269 |
| 2022201522 | 2022201572 | 2022201722 | 2022201779 |
| 2022201864 | 2022201882 | 2022202167 | 2022202391 |
| 2022202551 | 2022202560 | 2022202698 | 2022202756 |
| 2022202811 | 2022203105 | 2022203378 | 2022203416 |
| 2022203444 | 2022204032 | 2022204055 | 2022204235 |
| 2022204301 | 2022204314 | 2022204322 | 2022204417 |
| 2022204462 | 2022204502 | 2022204563 | 2022204633 |
| 2022204687 | 2022204849 | 2022204869 | 2022204908 |
| 2022206759 | 2022208002 | 2022209255 | 2022209308 |
| 2022211793 | 2022215037 | 2022220755 | 2022224726 |
| 2022226943 | 2022228192 | 2022231680 | 2022231918 |
| 2022246388 | 2022250148 | 2022251335 | 2022252852 |
| 2022253085 | 2022256195 | 2022260842 | 2022263528 |
| 2022271387 | 2022271485 | 2022273489 | 2022275466 |
| 2022275512 | 2022277989 | 2022279395 | 2022279397 |
| 2022279482 | 2022279526 | 2022283723 | 2022283742 |
| 2022287535 | 2022287646 | 2022287669 | 2022291460 |
| 2022291646 | 2022291657 | 2022307422 | 2022345532 |
| 2022354318 | 2022372428 | 2023201230 | 2023201428 |
| 2023201809 | 2023201922 | 2023202258 | 2023202413 |
| 2023202449 | 2023202527 | 2023202658 | 2023202729 |
| 2023203192 | 2023222919 | 2023229561 | 2023255020 |
| 2023270271 | 2023278104 | 2024200924 |            |

**Revocation**

It is hereby notified that the offer by the Patentee **MOV3MENT Pty Ltd** to surrender Patent 2017100251 which was advertised in the Official Journal of 16.05.2024 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

**Assignments Registered**

2005200184 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2005201178 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2005253664 Bio-K Plus International Inc. The patent has been assigned to **KERRY GROUP SERVICES INTERNATIONAL LIMITED**

2006222674 BIOMET C.V. The patent has been assigned to **Zimmer GmbH**

2006228012 BIOMET C.V. The patent has been assigned to **Zimmer GmbH**

**Assignments Registered**

2007211834 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2007227170 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2007227380 M-I Production Chemicals UK Limited; M-I Drilling Fluids U.K. Limited The patent has been assigned to **Schlumberger Oilfield UK Limited**

2009201835 NEURELEC The patent has been assigned to **Oticon Medical A/S**

2009273143 Galapagos NV The patent has been assigned to **Aifasigma S.p.A.**

2009281691 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2009291685 BIOMET C.V. The patent has been assigned to **Zimmer GmbH**

2010295518 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2011217724 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2011295296 Schneider, Hartmut The patent has been assigned to **Ecotherm Austria GMBH**

2011327889 M-I Drilling Fluids U.K. Limited The patent has been assigned to **Schlumberger Oilfield UK Limited**

2012342548 The Kitasato Institute; Bayer Intellectual Property GmbH The patent has been assigned to **The Kitasato Institute; ELANCO ANIMAL HEALTH GMBH**

2013202551 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2013202552 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2013202619 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2013202689 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2013217114 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2013377886 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2014218491 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2014218507 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2014221241 Szekely, Kenneth The patent has been assigned to **SureWerx USA Inc.**

2014298215 M-I Drilling Fluids UK Limited The patent has been assigned to **Schlumberger Oilfield UK Limited**

2015200922 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2015231245 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

**Assignments Registered**

2015268300 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2015300080 Astellas Pharma Inc. The patent has been assigned to **Mach5 Therapeutics, Inc.**

2015308881 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2015310662 C4X Discovery Limited The patent has been assigned to **Indivior UK Limited**

2015313920 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2015335862 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2015414056 Guangdong OPPO Mobile Telecommunications Corp., Ltd. The patent has been assigned to **Koninklijke Philips N.V.**

2016101671 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2016201251 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2016205285 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2016219567 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2016223336 ProQR Therapeutics II B.V. The patent has been assigned to **Laboratoires THEA**

2016243847 Biomet C.V. The patent has been assigned to **Zimmer GmbH**

2016257751 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2016291701 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2016297249 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2016359230 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2016359234 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2016359235 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2016383123 M-I Drilling Fluids U.K. Limited The patent has been assigned to **Schlumberger Oilfield UK Limited**

2017203695 Engineered Plastics Inc. The patent has been assigned to **SureWerx USA Inc.**

2017207318 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2017207742 Inhibrx, Inc. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2017213177 C4X Discovery Limited The patent has been assigned to **Indivior UK Limited**

**Assignments Registered**

2017287706 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2018100173 Newman, Benjamin The patent has been assigned to **Travel Glider IP Pty Ltd**

2018221900 Billio Pty Ltd The patent has been assigned to **Comtec Australia Pty Ltd**

2018226418 D & D Group Pty Ltd The patent has been assigned to **D & D Technologies Pty Ltd**

2018246806 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2018260872 Oticon Medical A/S The patent has been assigned to **Cochlear Limited**

2019200942 INHIBRX, INC. The patent has been assigned to **INHIBRX BIOSCIENCES, INC.**

2019210582 Ganymed Pharmaceuticals GmbH; BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH The patent has been assigned to **BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Astellas Pharma Inc.**

2021203528 BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Ganymed Pharmaceuticals GmbH The patent has been assigned to **BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Astellas Pharma Inc.**

2021204136 Legochem Biosciences, Inc. The patent has been assigned to **LigaChem Biosciences Inc.**

2021358749 PLAINSIGHT CORP. The patent has been assigned to **Plainsight Technologies Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2018282427 **Glaxo Group Limited**

The earliest first regulatory approval date provided by the patentee 16 Jan 2018

For the goods TRELEGY Ellipta

Extension of Term of patent pursuant to Section 77 expires on 16 Jan 2033

2021203265 **Estetra SRL**

The earliest first regulatory approval date provided by the patentee 26 Nov 2021

For the goods NEXTSTELLIS estetrol

Extension of Term of patent pursuant to Section 77 expires on 26 Nov 2036

**Corrigenda**

In Vol 57 , No 8 , Page(s) 1245 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name PQ SILICA BRAZIL LTDA.; Flavio Ernesto Ribeiro, Application

**Corrigenda**

No. 2021326487, under INID (71) remove co-applicant Flavio Ernesto Ribeiro

In Vol 58 , No 16 , Page(s) 2173 under the heading **Amendments - Application for Amendments** Under the name Locus Robotics Corp. Application No. 2018366020 correct the date of statements filed to read 07 Nov 2023 and 07 Mar 2024

In Vol 58 , No 21 , Page(s) 3119 under the heading **Assignments Registered** Under the name Isopogen Pty Ltd, Patent No. 2014344795, under INID (71) correct the patentee names to Isopogen Pty Limited; East Health Metropolitan Service

In Vol 58 , No 25 , Page(s) 3614 under the heading **Amendments - Application for Amendments** Under the name Boehringer Ingelheim Vetmedica GmbH, Application No. 2017245601 correct the date of the statements filed to read 18 March 2024 and 16 May 2024

**Specifications Republished**

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

- 2019299609 **Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.**
- 2019318699 **Toray Industries, Inc.**
- 2019394522 **Huawei Technologies Co., Ltd.**
- 2019448236 **National Institute of Biological Sciences, Beijing**
- 2020407603 **PRC-DeSoto International, Inc.**
- 2020473329 **SIAW, A.E.**
- 2020481908 **TARK, H.R.**
- 2020483138 **ZTE CORPORATION**
- 2020483948 **HUAWEI TECHNOLOGIES CO., LTD.**
- 2021343568 **AGSCENT PTY LTD**
- 2021347140 **MICRONIZATION TECHNOLOGIES AND THERAPEUTICS GROUP LLC**
- 2021347676 **ACCELBEAM PHOTONICS, LLC**
- 2021350485 **INTEGRA METERING AG**
- 2021350736 **THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES**
- 2021351255 **ONCOTHERAPY SCIENCE, INC.; CANCER PRECISION MEDICINE, INC.**
- 2021351519 **214 TECHNOLOGIES INC.**
- 2021354936 **TRANSPORT ANALYSIS LTD**
- 2021355552 **CARINA BIOTECH PTY LTD**
- 2021356704 **ICU MEDICAL, INC.**
- 2021357081 **Dana-Farber Cancer Institute, Inc**
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- 2021361067 **ANNEXON, INC.**
- 2021361597 **BAE SYSTEMS HÄGGLUNDS AKTIEBOLAG**
- 2021362005 **DEERE & COMPANY**
- 2021362764 **HIDE BIOTECH LTD**
- 2021363138 **SPECTRONIX INC.**
- 2021364381 **PETERSON MANUFACTURING COMPANY**
- 2021365488 **ABS GLOBAL, INC.**
- 2021368746 **THE GEORGE WASHINGTON UNIVERSITY, A CONGRESSIONALLY CHARTERED NOT-FOR-PROFIT CORPORATION**
- 2021369835 **JANUX THERAPEUTICS, INC.**
- 2021370072 **LG CHEM, LTD.**
- 2021372533 **FLAGSHIP PIONEERING INNOVATIONS V, INC.**
- 2021372817 **INNSEP AS**
- 2021373075 **RAPTOR TECH, INC.**
- 2021373373 **ChemStone, Inc.**

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 2021377712 HANMI PHARM. CO., LTD.  
 2021378474 AARKE AB  
 2021378637 KATCO HOLDINGS PTY LTD  
 2021378707 HANMI PHARM. CO., LTD.  
 2021379959 SICPA HOLDING SA  
 2021379990 W. L. GORE & ASSOCIATES, INC.  
 2021380068 TTP PLC.  
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 2021383518 ANDREASSON, J.  
 2021384857 BASF SE  
 2021385359 DISCGENICS, INC.  
 2021385459 VÄLINGE INNOVATION AB  
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 2021390184 JOHNSON & JOHNSON ENTERPRISE INNOVATION INC.  
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 2021391623 MORPHOSYS AG; INCYTE CORPORATION  
 2021392096 SECURITY MATTERS LTD.  
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 2021397638 NATIONAL UNIVERSITY HOSPITAL (SINGAPORE) PTE LTD; THE BIOFACTORY PTE LTD  
 2021397805 KOALA SLEEP PTY. LTD.  
 2021399002 INTERNATIONAL BUSINESS MACHINES CORPORATION  
 2021399753 J.SCHMALZ GMBH  
 2021401424 IONIS PHARMACEUTICALS, INC.  
 2021402070 AGRI ADVANCED TECHNOLOGIES GMBH  
 2021402376 HORL 1993 GMBH  
 2021402927 LOXO ONCOLOGY, INC.  
 2021404135 RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED  
 2021404140 Nxera Pharma UK Limited  
 2021405442 SUNTORY HOLDINGS LIMITED  
 2021405639 PERI SE  
 2021407925 BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.  
 2021408227 Euregen Biopharma Co., Ltd.; SHANGHAI YOULI BIOPHARMA CO., LTD.  
 2021409569 AMGEN INC.; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM  
 2021409937 INVIVOSCRIBE INC.  
 2021410290 EISAI R&D MANAGEMENT CO., LTD.  
 2021410898 KAWASAKI JUKOGYO KABUSHIKI KAISHA  
 2021411870 KITZ CORPORATION  
 2021412389 BIOLINERX LTD.  
 2021412504 VAISH, A.  
 2021412848 ALTERYX, INC.  
 2021414422 PETRÓLEO BRASILEIRO S.A. - PETROBRAS; SERVIÇO NACIONAL DE APRENDIZAGEM INDUSTRIAL - DEPARTAMENTO REGIONAL DA BAHIA-SENAI/DR/BA

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2021416031 CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.  
 2021417264 JADE BIRD DISPLAY (SHANGHAI) LIMITED  
 2021417430 DEPUY SYNTHES PRODUCTS, INC.  
 2021417988 SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.  
 2021421094 BECTON, DICKINSON AND COMPANY  
 2021429297 KOMATSU LTD.  
 2021429850 MITSUBISHI ELECTRIC CORPORATION  
 2021434172 KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION  
 2021434552 LYNAS RARE EARTHS LIMITED  
 2021438460 GLOBERIDE, INC.  
 2021471055 LONGI MAGNET CO., LTD.  
 2022205300 INSULET CORPORATION  
 2022205313 TONIX PHARMA LIMITED  
 2022205628 ABBVIE INC.; ABBVIE DEUTSCHLAND GMBH & CO KG  
 2022206356 AMO GRONINGEN B.V.  
 2022206651 VIASAT, INC.  
 2022206653 ALAKAI TECHNOLOGIES CORPORATION  
 2022207691 LETTUS GROW LTD  
 2022208268 BECTON, DICKINSON AND COMPANY  
 2022208361 MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE; DAIICHI SANKYO COMPANY, LIMITED  
 2022208438 MARICARE OY  
 2022208466 KAHR MEDICAL LTD.; THOMAS JEFFERSON UNIVERSITY  
 2022208494 BAKER HUGHES OILFIELD OPERATIONS LLC  
 2022209558 DE NORA PERMELEC LTD  
 2022210051 OLIVIER NV  
 2022210147 RZNOMICS INC.  
 2022210317 BEAM THERAPEUTICS INC.  
 2022210985 LANDIS+GYR TECHNOLOGY, INC.  
 2022211055 TRAMES BIO, INC.  
 2022211404 THOMSON REUTERS ENTERPRISE CENTRE GMBH  
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 2022213291 SIGNPATH PHARMA, INC.  
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 2022213445 BOLDER SURGICAL, LLC  
 2022214388 CSL BEHRING AG; UNIVERSITAET ZUERICH  
 2022214509 ROBERT EITELHUBER, G.; NOMADD DESERT SOLAR SOLUTION LIMITED COMPANY  
 2022214930 ABBOTT DIABETES CARE INC.  
 2022215058 WONDERLAND SWITZERLAND AG  
 2022216783 InterDigital CE Patent Holdings, SAS  
 2022216834 BASF SE  
 2022216840 DOMPE' FARMACEUTICI SPA  
 2022216859 MUÑOZ SAIZ, M.  
 2022217677 SAMSUNG ELECTRONICS CO., LTD.  
 2022217791 AMGEN INC.  
 2022217845 INNOVENT BIOLOGICS (SUZHOU) CO., LTD.  
 2022219182 BASF SE  
 2022219218 CASALE SA  
 2022220861 BECTON, DICKINSON AND COMPANY  
 2022221633 IGM BIOSCIENCES, INC.  
 2022222172 WEW GMBH  
 2022222660 GENENTECH, INC.  
 2022223714 ZOETIS SERVICES LLC  
 2022224639 COLLECTORS UNIVERSE, INC.  
 2022229356 NOVAROCK BIOTHERAPEUTICS, LTD.  
 2022231060 CAPBRAN HOLDINGS, LLC  
 2022234680 THE CHEMOURS COMPANY FC, LLC  
 2022237329 MICROSOFT TECHNOLOGY LICENSING, LLC  
 2022241093 LUIGI LAVAZZA S.P.A.  
 2022248319 BYD COMPANY LIMITED  
 2022250976 THERAPEX CO., LTD.; INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY  
 2022254760 LANZATECH, INC.

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2022264615 CERES TAG LTD  
2022272255 PSIQUANTUM, CORP.