



**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</u> <u>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 6 June 2024

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

*Banki Haddock Fiora v Glaxo Group Limited [2024] APO 20*

Patent: 2018282427

Title: COMBINATIONS OF A MUSCARINIC RECEPTOR ANTAGONIST AND A BETA-2 ADRENORECEPTOR AGONIST

Patentee: Glaxo Group Limited

Opponent: Banki Haddock Fiora

Delegate: Dr S. J. Smith

Decision Date: 28 May 2024

Hearing Date: 28 February 2024, by videoconference

Catchwords: **PATENTS** – section 75 – opposition to grant of an extension of term – section 71 – approved form for application for an extension of term – pharmaceutical substance *per se* an admixture – relevant earliest first regulatory approval date – nature of goods included on the ARTG – opposition unsuccessful – costs awarded

Representation: Counsel for the patentee: David Shavin KC  
Patent attorney for the patentee: Annabella Newton of Phillips Ormonde Fitzpatrick  
Counsel for the opponent: David Larish  
Solicitor for the opponent: Banki Haddock Fiora

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 21 May 2024 .

|                                                                                                                                                   |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (71) AgResearch Limited<br>(21) 2024901549 (22) 24.05.2024<br>(54) Plant control system and method                                                | TERGRATED HITCH ANTI-WOBBLE SYSTEM                                                                                                                                                                 | CESS WHICH GENERATES UNIQUE CHECK-IN EVENT DATA                                                                                                                                                                                                         |
| (71) Agrimix Pty Ltd<br>(21) 2024901579 (22) 28.05.2024<br>(54) A method of quantifying the carbon footprint of livestock                         | (71) Aliphon, P.<br>(21) 2024901560 (22) 27.05.2024<br>(54) One stop shop app for places to work other than work or home                                                                           | (71) Australian Risk Services Australasia Pty Ltd Pty Ltd; Camilleri, P.; Camilleri, P.<br>(21) 2024901556 (22) 26.05.2024<br>(54) Unique Home Ownership Program to Assist People that are Economically Disadvantaged to Enter the Homeownership market |
| (71) Aim Lab Automation Technologies Pty Ltd<br>(21) 2024901565 (22) 27.05.2024<br>(54) IMPROVED TRANSPORT SYSTEM FOR AN OBJECT                   | (71) Allegion (Australia) Pty Ltd<br>(21) 2024901545 (22) 24.05.2024<br>(54) Plug for a door lock                                                                                                  | (71) Barber, D.<br>(21) 2024901578 (22) 28.05.2024<br>(54) Device for Protecting Beverage Cans Against Contaminants                                                                                                                                     |
| (71) Aim Lab Automation Technologies Pty Ltd<br>(21) 2024901566 (22) 27.05.2024<br>(54) IMPROVED TRANSPORT SYSTEM FOR AN OBJECT II                | (71) Allied Health Innovations Pty Ltd<br>(21) 2024901562 (22) 27.05.2024<br>(54) Perineal healing support                                                                                         | (71) Barrumba Pty Ltd<br>(21) 2024901547 (22) 24.05.2024<br>(54) Pit Cover Lifter                                                                                                                                                                       |
| (71) Aim Lab Automation Technologies Pty Ltd<br>(21) 2024901572 (22) 27.05.2024<br>(54) AUTOMATED LABORATORY SYSTEM AND METHOD THEREFOR           | (71) Anderson, J.; Clark, A.<br>(21) 2024901513 (22) 22.05.2024<br>(54) A SYSTEM, METHOD, PROCESS AND MANAGEMENT OF OPERATING AN AUDITORIUM SIGN FOR COMMUNICATION OF ADVERTISING                  | (71) BFRE Pty Ltd<br>(21) 2024901499 (22) 22.05.2024<br>(54) Improvements in the construction of concrete slabs                                                                                                                                         |
| (71) Akvotek Pty Ltd<br>(21) 2024901570 (22) 27.05.2024<br>(54) Wastewater Treatment Process                                                      | (71) Anderson, J.; Clark, A.<br>(21) 2024901514 (22) 22.05.2024<br>(54) A SYSTEM AND METHOD FOR THE DESIGN, OPERATION AND MANAGEMENT OF A DRIVE IN THEME PARK                                      | (71) BFRE Pty Ltd<br>(21) 2024901500 (22) 22.05.2024<br>(54) improvements in reflective foil insulation systems                                                                                                                                         |
| (71) Alcoa of Australia Limited<br>(21) 2024901569 (22) 27.05.2024<br>(54) Systems and processes for treating aluminium-containing materials      | (71) Asbestos Reports Australia Pty Limited<br>(21) 2024901501 (22) 22.05.2024<br>(54) GENERATION AND SHARING OF SECURE DATA RECORDS FOR POINT-IN-TIME VERIFICATION OF IDENTITY AND LOCATION       | (71) Bielby, C.<br>(21) 2024901559 (22) 27.05.2024<br>(54) SLOPED ROOF SYSTEM                                                                                                                                                                           |
| (71) Aldous, S.<br>(21) 2024901593 (22) 28.05.2024<br>(54) VERTICALLY MOUNTED BICYCLE TRANSPORTATION RACK WITH ASSISTED LOADING / UNLOADING & IN- | (71) Asbestos Reports Australia Pty Limited<br>(21) 2024901502 (22) 22.05.2024<br>(54) TECHNOLOGY CONFIGURED TO ENABLE RELIABLE PEER-TO-PEER IDENTITY EXCHANGE VIA EXTERNAL USER VERIFICATION PRO- | (71) BODY ANCHOR PTY LTD<br>(21) 2024901530 (22) 24.05.2024<br>(54) Tether Apparatus, System & Method                                                                                                                                                   |
|                                                                                                                                                   |                                                                                                                                                                                                    | (71) Breville Pty Limited<br>(21) 2024901544 (22) 24.05.2024<br>(54) A kitchen appliance                                                                                                                                                                |

Provisional Applications Filed - Name Index cont'd

(71) Breville Pty Limited  
(21) 2024901571 (22) 27.05.2024  
(54) Coffee machine with basket size detection

**Camilleri, P. see Australian Risk Services Australasia Pty Ltd Pty Ltd**  
(21) 2024901556

**Camilleri, P. see Australian Risk Services Australasia Pty Ltd Pty Ltd**  
(21) 2024901556

(71) Carden, B.  
(21) 2024901543 (22) 24.05.2024  
(54) Hyperbaric Oxygen Therapy Chamber with Integrated Photobiomodulation and Pulsed Electromagnetic Field (PEMF) Therapy

(71) Casabal Pereda, L.  
(21) 2024901523 (22) 23.05.2024  
(54) Suitcase with internal organization

(71) Cenergy Tech Pty Ltd  
(21) 2024901561 (22) 27.05.2024  
(54) MAST ARRANGEMENT FOR A FOIL BOARD

**Clark, A. see Anderson, J.**  
(21) 2024901513

**Clark, A. see Anderson, J.**  
(21) 2024901514

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2024901537 (22) 24.05.2024  
(54) Scene graph generator

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2024901580 (22) 28.05.2024  
(54) Neural volume rendering

(71) Conveyor Innovations Pty Ltd; e-moola.com Pty Ltd  
(21) 2024901542 (22) 24.05.2024  
(54) Conveyor idler roller monitoring assembly

(71) CSR Building Products Limited  
(21) 2024901511 (22) 22.05.2024  
(54) Ventilator Ember Guard

(71) DJH Merredin Pty Ltd  
(21) 2024901515 (22) 23.05.2024  
(54) Hydraulic Line Tool

(71) Efficiency Matrix Pty Ltd  
(21) 2024901525 (22) 23.05.2024  
(54) Vent Component

**e-moola.com Pty Ltd see Conveyor Innovations Pty Ltd**  
(21) 2024901542

(71) Exafuse Pty Ltd  
(21) 2024901536 (22) 24.05.2024  
(54) Method and Apparatus for the Catalysis of Nuclear Alpha Decay

(71) Field Master Systems  
(21) 2024901524 (22) 23.05.2024  
(54) Direct injection of herbicide into water via drone

(71) Fitt Haven  
(21) 2024901558 (22) 26.05.2024  
(54) Double padding reinforcement in underwear to prevent frontal rise

(71) Foil Drive Pty Ltd  
(21) 2024901552 (22) 24.05.2024  
(54) AN ANTENNA ARRANGEMENT FOR A WATERCRAFT

(71) Fonterra Co-operative Group Limited  
(21) 2024901496 (22) 21.05.2024  
(54) Strains, compositions and methods and uses thereof

(71) Fonterra Co-operative Group Limited  
(21) 2024901497 (22) 21.05.2024  
(54) Strains, compositions and methods and uses thereof

(71) Glass Surfaces Pty Ltd  
(21) 2024901522 (22) 23.05.2024  
(54) A METHOD FOR FORMING A COMPOSITE SLAB

(71) Grant, G.  
(21) 2024901573 (22) 27.05.2024  
(54) Table Top Ball Games Competition Enhancements

(71) Guardian Global Humanitarian Technologies PTY LTD  
(21) 2024901508 (22) 22.05.2024  
(54) An apparatus and method for treating aural sensory ailments

(71) Guldmann, C.  
(21) 2024901594 (22) 28.05.2024  
(54) Original formula that is to be impregnated in fabric wipes, for use on indoor house plants.

(71) Haddad, J.  
(21) 2024901518 (22) 23.05.2024  
(54) In-wall cavity flatscreen display mounting unit

(71) Hardrock Mining Solutions Pty Ltd  
(21) 2024901507 (22) 22.05.2024  
(54) Grout cartridge installation tool

(71) Huang, X.F.; Zheng, P.  
(21) 2024901529 (22) 24.05.2024  
(54) Preparation of Triterpene Encapsulated by Milk Exosomes for Bioavailability and Applications

(71) ID Pop Pty Ltd  
(21) 2024901583 (22) 28.05.2024  
(54) SUPPORT ARRANGEMENT

(71) Khandaker, I.  
(21) 2024901521 (22) 23.05.2024  
(54) Optical System and Optical Device

(71) Lampard, R.  
(21) 2024901539 (22) 24.05.2024  
(54) Sonic Plasma Enhanced Combustion Cycle -Hydrocarbon Fuel

(71) Lampard, R.  
(21) 2024901540 (22) 24.05.2024  
(54) Sonic Plasma Enhanced Combustion Cycle -Ammonia Fuel

(71) Lampard, R.  
(21) 2024901541 (22) 24.05.2024  
(54) Sonic Plasma Enhanced Combustion Cycle -Hydrogen Fuel

**Macquarie University see Proveris Scientific Corporation**  
(21) 2024901548

(71) Macquarie University  
(21) 2024901564 (22) 27.05.2024  
(54) BRUSHLESS DC MOTOR

(71) MARP Therapeutics Pty Ltd  
(21) 2024901516 (22) 23.05.2024  
(54) DERMAL FORMULATION AND USE THEREOF

Provisional Applications Filed - Name Index cont'd

(71) MORSE MICRO PTY. LTD.  
 (21) 2024901581 (22) 28.05.2024  
 (54) Reduced Cost Short Training Field Kernel Implementation for Packet Detection in a Wireless Communication Network

(71) Multani, A.  
 (21) 2024901535 (22) 24.05.2024  
 (54) Marine propeller shaft seal

(71) NewSouth Innovations Pty Limited  
 (21) 2024901585 (22) 28.05.2024  
 (54) Electrodeposited Cathodes With Tunable Stoichiometry for Batteries

(71) OCEAN LOGIC PTY LTD  
 (21) 2024901588 (22) 28.05.2024  
 (54) Exponent Indexed Accumulators for Floating Point, Posits and Logarithmic Numbers

(71) Overdijk, J.  
 (21) 2024901526 (22) 23.05.2024  
 (54) PUDDLE FLANGE INSTALLATION APPARATUS

(71) Pacific Biotechnologies (Australia) Pty Ltd  
 (21) 2024901575 (22) 27.05.2024  
 (54) WASTEWATER TREATMENT METHOD

(71) Pagden, K.  
 (21) 2024901554 (22) 25.05.2024  
 (54) Portable Antiviral Room air decontaminator

(71) Pannaye, M.  
 (21) 2024901553 (22) 25.05.2024  
 (54) Pest Scare box

(71) PARAS, A.  
 (21) 2024901563 (22) 27.05.2024  
 (54) Jack extension

(71) Payments Insight Co Pty Ltd  
 (21) 2024901506 (22) 22.05.2024  
 (54) Payment terminal

(71) Peterson, M.  
 (21) 2024901555 (22) 25.05.2024  
 (54) Wheel Lifting and Alignment Stand

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 (21) 2024901576

Polyvach, N. see Polyvach, M.  
 (21) 2024901576

(71) Polyvach, M.; Polyvach, G.; Polyvach, N.  
 (21) 2024901576 (22) 27.05.2024  
 (54) Automated Vendor Outlet Kombicos

(71) Proveris Scientific Corporation; The University of Sydney; Macquarie University  
 (21) 2024901548 (22) 24.05.2024  
 (54) Spray optical patternator

(71) PYC Therapeutics Limited  
 (21) 2024901550 (22) 24.05.2024  
 (54) AGENTS FOR TREATMENT OF CONDITIONS ASSOCIATED WITH OPTIC ATROPHY 1

(71) PYC Therapeutics Limited  
 (21) 2024901551 (22) 24.05.2024  
 (54) Improved Cell-Penetrating Peptides

(71) PYC Therapeutics Limited  
 (21) 2024901568 (22) 27.05.2024  
 (54) Advanced compositions and methods for treatment of conditions associated with optic atrophy 1

(71) Qusion Pty Ltd  
 (21) 2024901589 (22) 28.05.2024  
 (54) A DRINK MIXING MACHINE

(71) Rambhatla Enterprises Pty Ltd  
 (21) 2024901534 (22) 24.05.2024  
 (54) A PROTECTIVE SUIT MANAGEMENT SYSTEM AND BIOASTRONAUTICS ENGINE

ResMed Asia Pte. Ltd. see ResMed Pty Ltd  
 (21) 2024901510

(71) ResMed Pty Ltd  
 (21) 2024901509 (22) 22.05.2024  
 (54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) ResMed Pty Ltd; ResMed Sensor Technologies Limited; ResMed Asia Pte. Ltd.  
 (21) 2024901510 (22) 22.05.2024  
 (54) ADJUSTING FEEDBACK SYSTEM FOR AN INTRAORAL DEVICE

ResMed Sensor Technologies Limited see ResMed Pty Ltd  
 (21) 2024901510

(71) Road Safety Reminder Pty Ltd  
 (21) 2024901520 (22) 23.05.2024  
 (54) A Safe Driver Behaviour Influencing Device

(71) Rondo Building Services Pty Limited  
 (21) 2024901531 (22) 24.05.2024  
 (54) Suspension ceiling system and connector

(71) Ryan Plant Hire Pty Ltd  
 (21) 2024901532 (22) 24.05.2024  
 (54) Concrete washout bin

(71) SAFEREACH DEVELOPMENTS PTY LTD  
 (21) 2024901517 (22) 23.05.2024  
 (54) A WIRE TERMINATION DEVICE

(71) SensorC Pty Ltd  
 (21) 2024901498 (22) 22.05.2024  
 (54) Soil carbon sensing methodology and electrode arrangement

(71) Sharp Initiatives Pty Ltd  
 (21) 2024901538 (22) 24.05.2024  
 (54) Methodology for transporting residential steel structured modular units that would otherwise be greater than the width allowable to be carried by trailers on the roads.

(71) Signature Orthopaedics Europe Ltd.  
 (21) 2024901505 (22) 22.05.2024  
 (54) Bone attachment assembly

(71) SKELLERUP INDUSTRIES LIMITED  
 (21) 2024901586 (22) 28.05.2024  
 (54) ARTIFICIAL TEAT FOR FEEDING ANIMALS

(71) Smith, M.  
 (21) 2024901519 (22) 23.05.2024  
 (54) DATA COMMUNICATIONS NETWORK AND METHOD FOR SENSING ELECTRIC/ELECTROMAGNETIC FIELDS OR SIGNALS

(71) Steel-Line Garage Doors Australia Pty Ltd  
 (21) 2024901493 (22) 21.05.2024  
 (54) Drum wheel for roller door

(71) Steel-Line Garage Doors Australia Pty Ltd  
 (21) 2024901587 (22) 28.05.2024  
 (54) Tapered roller door

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(71) Stratco (Australia) Pty Limited  
 (21) 2024901546 (22) 24.05.2024  
 (54) AN OUTDOOR ENCLOSURE

(71) Swordrill Limited  
 (21) 2024901557 (22) 26.05.2024  
 (54) Fishing Reel Winding Attachment

(71) Synergetics Pty Ltd  
 (21) 2024901577 (22) 27.05.2024  
 (54) IMPROVEMENTS IN VENTILATION OF BUILDINGS

(71) Tait, N.  
 (21) 2024901533 (22) 24.05.2024  
 (54) Calf stretching apparatus

(71) The Council of the Queensland Institute of Medical Research  
 (21) 2024901504 (22) 22.05.2024  
 (54) ENHANCED CHIMERIC ANTIGEN RECEPTOR T CELL COMPOSITION AND METHOD OF USE

(71) The Dynamic Engineering Solution Pty Ltd  
 (21) 2024901574 (22) 27.05.2024  
 (54) A CONTAINER FOR A WEAPON SYSTEM

**The University of Sydney see Proveris Scientific Corporation**  
 (21) 2024901548

(71) True Power Pty Ltd  
 (21) 2024901584 (22) 28.05.2024  
 (54) Construction loading platform

**Vanzati, J. see Vanzati, K.**  
 (21) 2024901495

(71) Vanzati, K.; Vanzati, J.  
 (21) 2024901495 (22) 21.05.2024  
 (54) Smart Device Accessory

(71) VAXMED Pty Ltd  
 (21) 2024901527 (22) 24.05.2024  
 (54) Cells and cell lines and method of making and using same

(71) VAXMED Pty Ltd  
 (21) 2024901528 (22) 24.05.2024  
 (54) Poxviral vector and method of making and using same

(71) Wable, S.U.  
 (21) 2024901512 (22) 22.05.2024  
 (54) Protecting kids or subjects locked in a car from suffocation and heat

(71) Wayne, S.  
 (21) 2024901567 (22) 27.05.2024  
 (54) EXTRUSION WITH CHANNELS FOR CHASSIS

(71) Westen, M.  
 (21) 2024901503 (22) 22.05.2024  
 (54) Magnapon Stringless Tampon

(71) Whalin, A.  
 (21) 2024901590 (22) 28.05.2024  
 (54) Self - supporting fluid delivery device

(71) Yumdrum Pty Ltd  
 (21) 2024901582 (22) 28.05.2024  
 (54) APPARATUS AND METHOD FOR PLAYING A GAME

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 (21) 2024901529

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| <b>2024901496</b> | Fonterra Co-operative Group Limited                                                | <b>2024901559</b> | Bielby, C.                                                   |
| <b>2024901497</b> | Fonterra Co-operative Group Limited                                                | <b>2024901560</b> | Aliphon, P.                                                  |
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| <b>2024901501</b> | Asbestos Reports Australia Pty Limited                                             | <b>2024901564</b> | Macquarie University                                         |
| <b>2024901502</b> | Asbestos Reports Australia Pty Limited                                             | <b>2024901565</b> | Aim Lab Automation Technologies Pty Ltd                      |
| <b>2024901503</b> | Westen, M.                                                                         | <b>2024901566</b> | Aim Lab Automation Technologies Pty Ltd                      |
| <b>2024901504</b> | The Council of the Queensland Institute of Medical Research                        | <b>2024901567</b> | Wayne, S.                                                    |
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| <b>2024901508</b> | Guardian Global Humanitarian Technologies PTY LTD                                  | <b>2024901571</b> | Breville Pty Limited                                         |
| <b>2024901509</b> | ResMed Pty Ltd                                                                     | <b>2024901572</b> | Aim Lab Automation Technologies Pty Ltd                      |
| <b>2024901510</b> | ResMed Pty Ltd; ResMed Sensor Technologies Limited; ResMed Asia Pte. Ltd.          | <b>2024901573</b> | Grant, G.                                                    |
| <b>2024901511</b> | CSR Building Products Limited                                                      | <b>2024901574</b> | The Dynamic Engineering Solution Pty Ltd                     |
| <b>2024901512</b> | Wable, S.U.                                                                        | <b>2024901575</b> | Pacific Biotechnologies (Australia) Pty Ltd                  |
| <b>2024901513</b> | Anderson, J.; Clark, A.                                                            | <b>2024901576</b> | Polyvach, M.; Polyvach, G.; Polyvach, N.                     |
| <b>2024901514</b> | Anderson, J.; Clark, A.                                                            | <b>2024901577</b> | Synergetics Pty Ltd                                          |
| <b>2024901515</b> | DJH Merredin Pty Ltd                                                               | <b>2024901578</b> | Barber, D.                                                   |
| <b>2024901516</b> | MARP Therapeutics Pty Ltd                                                          | <b>2024901579</b> | Agrimix Pty Ltd                                              |
| <b>2024901517</b> | SAFEREACH DEVELOPMENTS PTY LTD                                                     | <b>2024901580</b> | Commonwealth Scientific and Industrial Research Organisation |
| <b>2024901518</b> | Haddad, J.                                                                         | <b>2024901581</b> | MORSE MICRO PTY. LTD.                                        |
| <b>2024901519</b> | Smith, M.                                                                          | <b>2024901582</b> | Yumdrum Pty Ltd                                              |
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| <b>2024901528</b> | VAXMED Pty Ltd                                                                     | <b>2024901593</b> | Aldous, S.                                                   |
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| <b>2024901530</b> | BODY ANCHOR PTY LTD                                                                |                   |                                                              |
| <b>2024901531</b> | Rondo Building Services Pty Limited                                                |                   |                                                              |
| <b>2024901532</b> | Ryan Plant Hire Pty Ltd                                                            |                   |                                                              |
| <b>2024901533</b> | Tait, N.                                                                           |                   |                                                              |
| <b>2024901534</b> | Rambhatla Enterprises Pty Ltd                                                      |                   |                                                              |
| <b>2024901535</b> | Multani, A.                                                                        |                   |                                                              |
| <b>2024901536</b> | Exafuse Pty Ltd                                                                    |                   |                                                              |
| <b>2024901537</b> | Commonwealth Scientific and Industrial Research Organisation                       |                   |                                                              |
| <b>2024901538</b> | Sharp Initiatives Pty Ltd                                                          |                   |                                                              |
| <b>2024901539</b> | Lampard, R.                                                                        |                   |                                                              |
| <b>2024901540</b> | Lampard, R.                                                                        |                   |                                                              |
| <b>2024901541</b> | Lampard, R.                                                                        |                   |                                                              |
| <b>2024901542</b> | Conveyor Innovations Pty Ltd; e-moola.com Pty Ltd                                  |                   |                                                              |
| <b>2024901543</b> | Carden, B.                                                                         |                   |                                                              |
| <b>2024901544</b> | Breville Pty Limited                                                               |                   |                                                              |
| <b>2024901545</b> | Allegion (Australia) Pty Ltd                                                       |                   |                                                              |
| <b>2024901546</b> | Stratco (Australia) Pty Limited                                                    |                   |                                                              |
| <b>2024901547</b> | Barrumba Pty Ltd                                                                   |                   |                                                              |
| <b>2024901548</b> | Proveris Scientific Corporation; The University of Sydney; Macquarie University    |                   |                                                              |
| <b>2024901549</b> | AgResearch Limited                                                                 |                   |                                                              |
| <b>2024901550</b> | PYC Therapeutics Limited                                                           |                   |                                                              |
| <b>2024901551</b> | PYC Therapeutics Limited                                                           |                   |                                                              |
| <b>2024901552</b> | Foil Drive Pty Ltd                                                                 |                   |                                                              |
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| <b>2024901554</b> | Pagden, K.                                                                         |                   |                                                              |
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| <b>2024901556</b> | Australian Risk Services Australasia Pty Ltd Pty Ltd; Camilleri, P.; Camilleri, P. |                   |                                                              |



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Applications listed below were processed through the Patent Office Canberra during the period ending 21 May 2024 .

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

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| <hr/> <p>(71) Zseventy bio, Inc.<br/>(21) 2024203372 (22) 21.05.2024<br/>(54) ANTI-BCMA CAR T CELL COMPOSITIONS</p> <hr/> <p>(71) ABUS August Bremicker Söhne KG<br/>(21) 2024203483 (22) 24.05.2024<br/>(54) METHOD FOR CONTROLLING A FRAME LOCK OF A VEHICLE</p> <hr/> <p>(71) Acres Technology<br/>(21) 2024203487 (22) 24.05.2024<br/>(54) Entertainment Game-Based Gaming Device</p> <hr/> <p>(71) Acres Technology<br/>(21) 2024203573 (22) 28.05.2024<br/>(54) Gaming Device Having Multiple Game Play Option</p> <hr/> <p>(71) Advanced Lithium Electrochemistry Co., Ltd.<br/>(21) 2024203522 (22) 27.05.2024<br/>(54) Preparation method of iron phosphate precursor for batteries</p> <hr/> <p>(71) Advanced Lithium Electrochemistry Co., Ltd.<br/>(21) 2024203523 (22) 27.05.2024<br/>(54) Preparation method of iron phosphate precursor for batteries</p> <hr/> <p>(71) AKL Research and Development Ltd.<br/>(21) 2024203514 (22) 27.05.2024<br/>(54) Liquid formulation comprising paeonol and apocynin</p> <hr/> <p>(71) Allergan, Inc.<br/>(21) 2024203411 (22) 22.05.2024<br/>(54) Microimplants for ocular administration</p> <hr/> <p>(71) Alnylam Pharmaceuticals, Inc.<br/>(21) 2024203390 (22) 22.05.2024<br/>(54) Hepatitis B virus (HBV) iRNA compositions and methods of use thereof</p> <hr/> <p>(71) Amgen Research (Munich) GmbH<br/>(21) 2024203384 (22) 21.05.2024<br/>(54) Bispecific T Cell Engaging Antibody Constructs</p> | <hr/> <p><b>Ami Patel see David B. Weiner</b><br/>(21) 2024203391</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2024203393 (22) 22.05.2024<br/>(54) Methods for interacting with virtual controls and/or an affordance for moving virtual objects in virtual environments</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2024203453 (22) 23.05.2024<br/>(54) Software framework for progress tracking in a classroom setting</p> <hr/> <p>(71) Arcadyan Technology Corporation<br/>(21) 2024203430 (22) 23.05.2024<br/>(54) COMMUNICATION DEVICE HAVING MULTIPLE ANTENNAS, AND ALLOCATION METHOD FOR THE ANTENNAS THEREOF</p> <hr/> <p><b>Asghar Ali, M. see Asghar Ali, M.</b><br/>(21) 2024203461</p> <hr/> <p>(71) Asghar Ali, M.; Asghar Ali, M.<br/>(21) 2024203461 (22) 23.05.2024<br/>(54) Mechanical Enclosure of Tamper Evident Digital Seal And Monitoring System</p> <hr/> <p>(71) ASSA ABLOY New Zealand Limited<br/>(21) 2024203506 (22) 23.05.2024<br/>(54) A LOCK ASSEMBLY</p> <hr/> <p>(71) ASSIA SPE, LLC<br/>(21) 2024203486 (22) 24.05.2024<br/>(54) Systems and methods for remote collaboration</p> <hr/> <p>(71) Auris Health, Inc.<br/>(21) 2024203395 (22) 22.05.2024<br/>(54) Robotic system with indication of boundary for robotic arm</p> <hr/> <p>(71) Ausroad Holdings Pty Ltd<br/>(21) 2024203403 (22) 22.05.2024<br/>(54) BLAST HOLE ASSESSMENT DEVICE</p> <hr/> <p>(71) Australian Engineered Solutions Pty Ltd<br/>(21) 2024203469 (22) 24.05.2024</p> | <hr/> <p>(54) Jig for Forming Structural Building Member</p> <hr/> <p>(71) Aymroo Pty Ltd<br/>(21) 2024203458 (22) 23.05.2024<br/>(54) Surface Components Assembly of a Maintenance Chamber System</p> <hr/> <p>(71) Ayonz Pty Limited<br/>(21) 2024203450 (22) 23.05.2024<br/>(54) Packaging box</p> <hr/> <p>(71) Bambino Prezioso Switzerland AG<br/>(21) 2024203565 (22) 28.05.2024<br/>(54) SIDE IMPACT PROTECTION LINKAGE MECHANISM AND SAFETY SEAT BASE</p> <hr/> <p>(71) Battelle Memorial Institute<br/>(21) 2024203441 (22) 23.05.2024<br/>(54) RAPID PROTOTYPING MODEL</p> <hr/> <p>(71) batterham, a.<br/>(21) 2024203502 (22) 26.05.2024<br/>(54) 3 lithium ionic cell battery</p> <hr/> <p>(71) Berkshire Renewable Energy Pty Ltd<br/>(21) 2024203422 (22) 22.05.2024<br/>(54) FUEL SUPPLY SYSTEM</p> <hr/> <p>(71) BGC Partners, Inc<br/>(21) 2024203431 (22) 23.05.2024<br/>(54) SYSTEM AND METHOD FOR PROVIDING LATENCY PROTECTION FOR TRADING ORDERS</p> <hr/> <p>(71) BioAtla, LLC<br/>(21) 2024203402 (22) 22.05.2024<br/>(54) Conditionally active polypeptides and methods of generating them</p> <hr/> <p><b>BioFire Defense LLC see bioMerieux, Inc.</b><br/>(21) 2024203530</p> <hr/> <p>(71) Biogen MA Inc.<br/>(21) 2024203437 (22) 23.05.2024<br/>(54) Methods of treating multiple sclerosis</p> <hr/> <p>(71) Biomatrix, Inc.<br/>(21) 2024203518 (22) 27.05.2024</p> |
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Complete Applications Filed - Name Index cont'd

(54) REDUCTION OF ERYTHROCYTE SEDIMENTATION RATE

(71) bioMerieux, Inc.; BioFire Defense LLC  
(21) 2024203530 (22) 27.05.2024  
(54) Isolation tube

(71) Breville Pty Limited  
(21) 2024203459 (22) 23.05.2024  
(54) An appliance to cook pizza

(71) Bytedance Inc.  
(21) 2024203526 (22) 27.05.2024  
(54) Mobile chat application integration with promotional systems

(71) Canon Kabushiki Kaisha  
(21) 2024203452 (22) 23.05.2024  
(54) Cartridge

Carie, A. see Vojkovsky, T.  
(21) 2024203511

(71) CATERPILLAR INC.  
(21) 2024203419 (22) 22.05.2024  
(54) CONTROL OF A MACHINE TO END A WINDROW

(71) CATERPILLAR INC.  
(21) 2024203484 (22) 24.05.2024  
(54) LIFTING EYES FOR COUNTERWEIGHTS

(71) Central South University  
(21) 2024203408 (22) 22.05.2024  
(54) Method for ultra-stable mineralization of beryllium in "artificial hsianghualite"

(71) Centurion Medical Products Corporation  
(21) 2024203424 (22) 22.05.2024  
(54) Methods for manufacturing non-glass prefilled containers

(71) Channel Medsystems, Inc.  
(21) 2024203447 (22) 23.05.2024  
(54) APPARATUS AND METHODS FOR REGULATING CRYOGENIC TREATMENT

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(21) 2024203495

(71) CLENERGY TECHNOLOGY CO., LTD.; CLENERGY(XIAMEN) ELECTRICAL EQUIPMENT CO., LTD  
(21) 2024203495 (22) 24.05.2024  
(54) NOVEL GROUNDING CLAMP

(71) Commercialisation Express Pty Ltd  
(21) 2024203516 (22) 27.05.2024  
(54) Improvements to Blockout Blind Systems

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2024203407 (22) 22.05.2024  
(54) RNA molecules comprising non-canonical base pairs

(71) CONTI VALERIO - S.R.L.  
(21) 2024203564 (22) 28.05.2024  
(54) Coffee grinder equipped with means for adjusting and displaying the distance between the blades

(71) CS Genetics Limited  
(21) 2024203392 (22) 22.05.2024  
(54) Reagents, kits and methods for molecular barcoding

(71) CSR Building Products Limited  
(21) 2024203496 (22) 24.05.2024  
(54) PANEL HAVING CURVED REINFORCEMENT

(71) David B. Weiner; Karupiah Muthumani; Seleeke Flingai; Niranjana Sardeesai; Sarah Elliott; Jian Yan; Ami Patel  
(21) 2024203391 (22) 22.05.2024  
(54) DNA antibody constructs and method of using same

(71) DEKA Products Limited Partnership  
(21) 2024203475 (22) 24.05.2024  
(54) Mobility device control system

(71) Dieble Surgical LLC  
(21) 2024203540 (22) 28.05.2024  
(54) METHOD AND APPARATUS FOR SUPPORTING SURGICAL INSTRUMENTS

(71) Disarm Therapeutics, Inc.  
(21) 2024203373 (22) 21.05.2024  
(54) Inhibitors of SARM1

(71) Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)  
(21) 2024203517 (22) 27.05.2024  
(54) Temporal compositional denoising

(71) DISNEY ENTERPRISES, INC.; ETH ZÜRICH  
(21) 2024203443 (22) 23.05.2024  
(54) DEPTH-AWARE INDEXING OF THREE-DIMENSIONAL IMAGE DEPTH BINS

(71) DMA S.R.L.  
(21) 2024203509 (22) 27.05.2024  
(54) A system, a vehicle and a method for the detection of position and geometry of line infrastructures, particularly for a railway line

(71) Donaghys Limited  
(21) 2024203462 (22) 24.05.2024  
(54) Transdermal Parasitocidal Formulations

(71) ECP Entwicklungsgesellschaft mbH  
(21) 2024203435 (22) 23.05.2024  
(54) Drive shaft cover with a heat conducting part

(71) El Antaki, M.  
(21) 2024203406 (22) 22.05.2024  
(54) The Supra Ciral Contraction Telescope

ETH ZÜRICH see DISNEY ENTERPRISES, INC.  
(21) 2024203443

ETH Zürich (Eidgenössische Technische Hochschule Zürich) see Disney Enterprises, Inc.  
(21) 2024203517

(71) Exel Industries  
(21) 2024203432 (22) 23.05.2024  
(54) Method for controlling the circulation of a fluid in a spraying system

(71) Exelixis, Inc.  
(21) 2024203472 (22) 24.05.2024  
(54) COMBINATIONS OF CABOZANTINIB AND ATEZOLIZUMAB TO TREAT CANCER

(71) FalCom A/S  
(21) 2024203477 (22) 24.05.2024  
(54) Control unit

Fondazione Telethon see Ospedale San Raffaele S.r.l.  
(21) 2024203415

(71) Fred Hutchinson Cancer Center  
(21) 2024203377 (22) 21.05.2024  
(54) Altering inflammatory states of immune cells in vivo by modulating cellular activation states

Complete Applications Filed - Name Index cont'd

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(71) Galvin, J.S.  
 (21) 2024203493 (22) 24.05.2024  
 (54) Portable animal shelters and methods of using the same

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(71) GENIE LIFESCIENCES INC.  
 (21) 2024203532 (22) 27.05.2024  
 (54) CRYSTALLINE 5-(DI-METHYLAMINO)-N-(4-(MORPHOLINOMETHYL)PHENYL)NAPHTHALENE-1-SULFONAMIDE DI-HYDROCHLORIDE DI-HYDRATE

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(71) Gilead Sciences, Inc.  
 (21) 2024203567 (22) 28.05.2024  
 (54) Pyrrolo[1,2-b] pyridazine derivatives

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(71) Google LLC  
 (21) 2024203500 (22) 25.05.2024  
 (54) IMAGE-CAPTURING DOORBELL DEVICE

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(71) Google LLC  
 (21) 2024203562 (22) 28.05.2024  
 (54) SURFACE CODE COMPUTATIONS USING AUTO-CCZ QUANTUM STATES

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(71) Guard It Solutions Pty Ltd  
 (21) 2024203434 (22) 23.05.2024  
 (54) Compositions for sealing and/or protecting porous substrates

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(71) Hagen, T.; Raison, LLC  
 (21) 2024203527 (22) 27.05.2024  
 (54) MICROBIAL INOCULANT COMPOSITIONS AND METHODS

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(71) Hall, J.  
 (21) 2024203490 (22) 24.05.2024  
 (54) An Infusion Process

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**HARVEY, D. see HARVEY, F.**  
 (21) 2024203537

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(71) HARVEY, F.; HARVEY, D.  
 (21) 2024203537 (22) 28.05.2024  
 (54) Emergency radio beacon remote activation system

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(71) Hope Medical Enterprises, Inc. dba Hope Pharmaceuticals  
 (21) 2024203535 (22) 28.05.2024  
 (54) Intradialytic use of sodium nitrite

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(71) Huawei Technologies Co., Ltd.  
 (21) 2024203533 (22) 28.05.2024

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(54) SIGNALING INFORMATION EXCHANGE METHOD AND COMMUNICATION APPARATUS IN WIRELESS LOCAL AREA NETWORK

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(71) ICU Medical, Inc  
 (21) 2024203433 (22) 23.05.2024  
 (54) System and method of monitoring and managing a remote infusion regimen

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(71) IGT  
 (21) 2024203385 (22) 22.05.2024  
 (54) ESTABLISHING A CASINO LINE OF CREDIT BASED ON CRYPTOCURRENCY HELD IN A CASINO CONTROLLED CUSTODIAN ACCOUNT

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(71) IGT  
 (21) 2024203386 (22) 22.05.2024  
 (54) GAMING ESTABLISHMENT ACCOUNT FUNDING HIGH FREQUENCY TRANSACTIONS

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(71) Inovio Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology  
 (21) 2024203524 (22) 27.05.2024  
 (54) Filovirus consensus antigens, nucleic acid constructs and vaccines made therefrom, and methods of using same

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(71) Intervet International B.V.  
 (21) 2024203397 (22) 22.05.2024  
 (54) Antiparasitic pour-on compositions

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**Intezyne Technologies, Inc. see Vojkovsky, T.**  
 (21) 2024203511

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(71) Intuit Inc.  
 (21) 2024203394 (22) 22.05.2024  
 (54) Controlling uncertain output by large language models

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(71) Intuit Inc.  
 (21) 2024203488 (22) 24.05.2024  
 (54) User data lifecycle management

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(71) iOmx Therapeutics AG  
 (21) 2024203451 (22) 23.05.2024  
 (54) Intracellular kinase associated with resistance against anti-tumour immune responses, and uses thereof

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(71) Ionis Pharmaceuticals, Inc.  
 (21) 2024203439 (22) 23.05.2024  
 (54) Compounds and methods for modulating angiotensinogen expression

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(71) I-sens, Inc.  
 (21) 2024203438 (22) 23.05.2024  
 (54) ANALYTE MONITORING DEVICE AND CONTROLLING METHOD THEREOF

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(71) Iskra Medical d.o.o.  
 (21) 2024203427 (22) 22.05.2024  
 (54) Magnetic-field applicator for feet

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(71) Itron, Inc.  
 (21) 2024203374 (22) 21.05.2024  
 (54) Billed consumption usage interval estimation

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(71) Janssen Biotech, Inc.  
 (21) 2024203417 (22) 22.05.2024  
 (54) Bispecific EGFR/c-Met antibodies

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**Jian Yan see David B. Weiner**  
 (21) 2024203391

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(71) JPMorgan Chase Bank, N.A.  
 (21) 2024203471 (22) 24.05.2024  
 (54) System and method for implementing an interbank information network

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(71) Kao, H.  
 (21) 2024203482 (22) 24.05.2024  
 (54) Sensing Chip with Fluidic Device

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**Karupiah Muthumani see David B. Weiner**  
 (21) 2024203391

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(71) Keter Plastic Ltd.  
 (21) 2024203456 (22) 23.05.2024  
 (54) Utility connectivity system

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(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
 (21) 2024203504 (22) 27.05.2024  
 (54) NITROGEN GENERATING DEVICE AND NITROGEN GENERATING METHOD

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(71) LG Electronics Inc.  
 (21) 2024203547 (22) 28.05.2024  
 (54) IMAGE CODING METHOD BASED ON TRANSFORM, AND DEVICE THEREFOR

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(71) LG Electronics Inc.  
 (21) 2024203549 (22) 28.05.2024  
 (54) IMAGE ENCODING/DECODING METHOD AND DEVICE FOR PERFORMING BDOF, AND METHOD FOR TRANSMITTING BITSTREAM

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Complete Applications Filed - Name Index cont'd

(71) LG Electronics Inc.  
(21) 2024203561 (22) 28.05.2024  
(54) TRANSFORM IN INTRA PREDICTION-BASED IMAGE CODING

(71) Liebert, A.; Chow, R.; Varigos, E.  
(21) 2024203464 (22) 24.05.2024  
(54) Prevention and Screening Method

(71) Light Bio, Inc  
(21) 2024203375 (22) 21.05.2024  
(54) Novel luciferases and methods for using same

(71) Light Bio, Inc  
(21) 2024203378 (22) 21.05.2024  
(54) Novel luciferases and methods for using same

(71) LivePerson, Inc.  
(21) 2024203463 (22) 24.05.2024  
(54) Systems and methods for a proactive two-way conversation

(71) Mackool, R.  
(21) 2024203520 (22) 27.05.2024  
(54) INTRAOCULAR LENS WITH CHANNEL TO FACILITATE REMOVAL

(71) Magic Leap, Inc.  
(21) 2024203489 (22) 24.05.2024  
(54) System and method for augmented and virtual reality

(71) Memorial Sloan-Kettering Cancer Center  
(21) 2024203389 (22) 22.05.2024  
(54) Stem cell-derived astrocytes, methods of making and methods of use

(71) Merck Sharp & Dohme LLC  
(21) 2024203455 (22) 23.05.2024  
(54) Bicycloheptane pyrrolidine orexin receptor agonists

(71) Minnetronix Neuro, Inc.  
(21) 2024203571 (22) 28.05.2024  
(54) Filtering systems and filtering manifolds for use with filtering systems

(71) Moore, C.  
(21) 2024203399 (22) 22.05.2024  
(54) shock absorbing ring bearing

(71) Mukherjee, B.  
(21) 2024203473 (22) 24.05.2024  
(54) Composite neutron and gamma radiation shield

(71) NAVICO, INC.  
(21) 2024203370 (22) 21.05.2024  
(54) AUGMENTED REALITY INFORMATION FOR A MARINE ENVIRONMENT

(71) NAVICO, INC.  
(21) 2024203534 (22) 28.05.2024  
(54) SONAR BEAM SHAPE CONTROLLING HORN

(71) New York Stem Cell Foundation, Inc.  
(21) 2024203546 (22) 28.05.2024  
(54) Automated system for producing induced pluripotent stem cells or differentiated cells

(71) Nicoventures Trading Limited  
(21) 2024203575 (22) 28.05.2024  
(54) Aerosol generating device

**Niranjan Sardesai see David B. Weiner**  
(21) 2024203391

(71) Nogra Pharma Limited  
(21) 2024203413 (22) 22.05.2024  
(54) Aryl receptor modulators and methods of making and using the same

(71) Nordex Energy SE & Co. KG  
(21) 2024203465 (22) 24.05.2024  
(54) A method for estimating health status of a pitch energy storage unit of a wind turbine, and a pitch control system

(71) Nunhems B.V.  
(21) 2024203508 (22) 27.05.2024  
(54) Watermelon variety NUN 12201 WMW

(71) Nunhems B.V.  
(21) 2024203510 (22) 27.05.2024  
(54) Watermelon variety NUN 12102 WMW

(71) NxThera, Inc.  
(21) 2024203494 (22) 24.05.2024  
(54) Vapor ablation systems and methods

(71) Ocular Therapeutix, Inc.  
(21) 2024203448 (22) 23.05.2024  
(54) Ocular implant containing a tyrosine kinase inhibitor

(71) Ogab Limited  
(21) 2024203501 (22) 25.05.2024  
(54) Disc Brake Assembly Particulate Collection System

(71) Ojai Energetics PBC  
(21) 2024203369 (22) 21.05.2024

(54) METHODS AND COMPOSITIONS FOR ENHANCING HEALTH

(71) Oncoceutics, Inc.  
(21) 2024203421 (22) 22.05.2024  
(54) 7-BENZYL-4-(2-METHYLBENZYL)-2,4,6,7,8,9-HEXAHYDROIMIDAZO [1,2-A]PYRIDO[3,4-E]PYRIMIDIN-5(1H)-ONE, ANALOGS AND SALTS THEREOF AND THEIR USE IN THERAPY

(71) OPUM Technologies Limited  
(21) 2024203541 (22) 28.05.2024  
(54) Orthosis or Exoskeleton System with Modular Elements

(71) Ospedale San Raffaele S.r.l.; Fondazione Telethon  
(21) 2024203415 (22) 22.05.2024  
(54) Vector production

(71) Page, B.  
(21) 2024203409 (22) 22.05.2024  
(54) Reading aid and associated kit

(71) PEACEWORLD CO., LTD  
(21) 2024203380 (22) 21.05.2024  
(54) BRACKET UNIT FOR UNDER INDUCTION RANGE AND UPPER PLATE ASSEMBLY HAVING THE SAME

(71) Polaris Industries Inc.  
(21) 2024203368 (22) 21.05.2024  
(54) MANAGING LOCATION-BASED TASKS WITH A LOCATION-AWARE VEHICLE

(71) Polygroup Macau Limited (BVI)  
(21) 2024203480 (22) 24.05.2024  
(54) SYSTEMS AND METHODS FOR INTERNAL AIRBED STRUCTURE

(71) PRC-DeSoto International, Inc.  
(21) 2024203445 (22) 23.05.2024  
(54) Free radical polymerizable adhesion-promoting interlayer compositions and methods of use

(71) Precision BioSciences, Inc.  
(21) 2024203387 (22) 22.05.2024  
(54) Rationally-designed single-chain meganucleases with non-palindromic recognition sequences

(71) Pride Mobility Products Corporation  
(21) 2024203566 (22) 28.05.2024  
(54) Mobility vehicle

Complete Applications Filed - Name Index cont'd

(71) Prizzi, C.  
(21) 2024203481 (22) 24.05.2024  
(54) 'The Phoenix' Social Media App

(71) ProAgni Pty Ltd  
(21) 2024203474 (22) 24.05.2024  
(54) Animal feed composition

(71) Proprio, Inc.  
(21) 2024203568 (22) 28.05.2024  
(54) Methods and systems for imaging a scene, such as a medical scene, and tracking objects within the scene

(71) PyroGenesis Canada Inc.  
(21) 2024203476 (22) 24.05.2024  
(54) PLASMA HEATED FURNACE FOR IRON ORE PELLETT INDURATION

(71) R&D Engineering A/S  
(21) 2024203538 (22) 28.05.2024  
(54) Method of designing a bolted joint

**Raison, LLC see Hagen, T.**  
(21) 2024203527

(71) REPT BATTERO Energy Co., Ltd.;  
Shanghai Ruipu Energy Co., Ltd.  
(21) 2024203505 (22) 27.05.2024  
(54) Battery cabinet and energy storage container including the battery cabinet

(71) Rexasitt Italia S.r.l.  
(21) 2024203466 (22) 24.05.2024  
(54) Chair for the sitting of a user

(71) Ritter, E.  
(21) 2024203440 (22) 23.05.2024  
(54) Shark Avoidance System and Method

(71) Robert Bosch GmbH  
(21) 2024203528 (22) 27.05.2024  
(54) Grinding means device, in particular grinding-disc device or backup-pad device

(71) S&A Group Holdings Limited  
(21) 2024203470 (22) 24.05.2024  
(54) A mobile autonomous agricultural system

**Sarah Elliott see David B. Weiner**  
(21) 2024203391

(71) Schneider Electric USA, Inc.  
(21) 2024203519 (22) 27.05.2024  
(54) 10Base-T1S and -T1L on power monitoring and protection equipment

(71) Scholar Rock, Inc.  
(21) 2024203412 (22) 22.05.2024  
(54) Use of myostatin inhibitors and combination therapies

(71) Seed Terminator Holdings Pty Ltd  
(21) 2024203416 (22) 22.05.2024  
(54) A MULTISTAGE HAMMER MILL AND A RESIDUE PROCESSING SYSTEM INCORPORATING SAME

(71) SEI MANUFACTURING INC.  
(21) 2024203536 (22) 28.05.2024  
(54) A SUSPENSION AND CONTROL HEAD APPARATUS FOR AERIAL FIREFIGHTING BUCKETS

**Seleeke Flingai see David B. Weiner**  
(21) 2024203391

(71) SHANDONG UNIVERSITY  
(21) 2024203454 (22) 23.05.2024  
(54) METHOD AND SYSTEM FOR IDENTIFYING HIGH IMPEDANCE FAULT AND SWITCHING DISTURBANCE BASED ON LISSAJOUS CURVE

(71) Shanghai Ocean University  
(21) 2024203414 (22) 22.05.2024  
(54) Anesthetic method of spotted seabass with plant essential oils

**Shanghai Ruipu Energy Co., Ltd. see REPT BATTERO Energy Co., Ltd.**  
(21) 2024203505

(71) Shango Pty Ltd  
(21) 2024203410 (22) 22.05.2024  
(54) A SYSTEM FOR RECORDING AND CONSTRUCTING A SEMIOTIC WAGERING/AGREEMENT

**Sill, K. see Vojkovsky, T.**  
(21) 2024203511

(71) Skechers U.S.A., Inc. II  
(21) 2024203569 (22) 28.05.2024  
(54) Footwear strap and footwear having the same

(71) Sliusenko, K.  
(21) 2024203503 (22) 26.05.2024  
(54) SmartBolt® Tension and Integrity Remote Monitoring System

(71) Societe des Produits Nestle S.A.  
(21) 2024203423 (22) 22.05.2024  
(54) Human milk fortifier

(71) Solvatum Intellectual Properties Company  
(21) 2024203570 (22) 28.05.2024  
(54) Low profile distribution components for wound therapy

(71) SPLISENSE LTD.  
(21) 2024203548 (22) 28.05.2024  
(54) MUC5-targeted antisense oligonucleotides and related methods for modulating expression of MUC5AC and MUC5B

(71) Stats LLC  
(21) 2024203420 (22) 22.05.2024  
(54) Audio Processing For Extraction Of Variable Length Disjoint Segments From Audiovisual Content

(71) Strata Products Worldwide, LLC  
(21) 2024203429 (22) 23.05.2024  
(54) Method and Apparatus for Identifying When an Individual is in Proximity to an Object

(71) Supercart South Africa (Pty) Ltd  
(21) 2024203539 (22) 28.05.2024  
(54) Apparatus for and method of forming a shopping basket body with interchangeable side panels

(71) Systems Spray-Cooled, Inc.  
(21) 2024203512 (22) 27.05.2024  
(54) Split roof for a metallurgical furnace

(71) Takeda Pharmaceutical Company Limited  
(21) 2024203436 (22) 23.05.2024  
(54) Plasma kallikrein binding proteins and uses thereof in treating hereditary angioedema

(71) Techtronic Cordless GP  
(21) 2024203418 (22) 22.05.2024  
(54) Battery pack and temperature sensing device thereof

(71) Techtronic Cordless GP  
(21) 2024203485 (22) 24.05.2024  
(54) Battery pack and battery pack heat management apparatus

(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
(21) 2024203521 (22) 27.05.2024  
(54) UPLINK RESOURCE SCHEDULING IN MULTIPLE TIME INSTANCES

Complete Applications Filed - Name Index cont'd

(71) The Board of Trustees of the Leland Stanford Junior University  
 (21) 2024203396 (22) 22.05.2024  
 (54) Methods for determining and achieving therapeutically effective doses of anti-CD47 agents in treatment of cancer

(71) The Eye Hospital of Wenzhou Medical University  
 (21) 2024203460 (22) 23.05.2024  
 (54) CIRCULAR RNA-CIRCCAMSAP1 AND VECTOR AND APPLICATION THERE-OF

(71) The General Hospital Corporation  
 (21) 2024203497 (22) 24.05.2024  
 (54) HDAC6 inhibitors and imaging agents

(71) The Johns Hopkins University  
 (21) 2024203405 (22) 22.05.2024  
 (54) Composite material for tissue restoration

(71) The Johns Hopkins University  
 (21) 2024203563 (22) 28.05.2024  
 (54) Composite material for tissue restoration

**The Trustees of the University of Pennsylvania see Inovio Pharmaceuticals, Inc.**  
 (21) 2024203524

**The Wistar Institute of Anatomy and Biology see Inovio Pharmaceuticals, Inc.**  
 (21) 2024203524

(71) The Work Shop Limited  
 (21) 2024203478 (22) 24.05.2024  
 (54) SYSTEMS AND METHODS FOR PAYMENT TRANSACTION CODING AND MANAGEMENT

(71) TIDY PAWS PETS PTY LTD  
 (21) 2024203499 (22) 24.05.2024  
 (54) Sifting Litter Box

(71) Tilley, R.  
 (21) 2024203498 (22) 24.05.2024  
 (54) EyeSaver

(71) TNBT Holdings Pty Ltd  
 (21) 2024203492 (22) 24.05.2024  
 (54) A Lock

(71) TONIX PHARMACEUTICALS HOLDING CORP.  
 (21) 2024203428 (22) 23.05.2024

(54) MAGNESIUM-CONTAINING OXYTOCIN FORMULATIONS AND METHODS OF USE

(71) Torraspapel, S.A.U.  
 (21) 2024203446 (22) 23.05.2024  
 (54) A MULTI-LAYER PACKAGING MATERIAL, A PACKAGE AND A METHOD FOR MANUFACTURING A MULTI-LAYER PACKAGING MATERIAL

(71) TransMedics, Inc.  
 (21) 2024203426 (22) 22.05.2024  
 (54) Systems and methods for ex-vivo organ care

(71) Trina Solar Co., Ltd  
 (21) 2024203479 (22) 24.05.2024  
 (54) Solar cell and method for producing a solar cell

(71) Trina Solar Co., Ltd.  
 (21) 2024203425 (22) 22.05.2024  
 (54) Solar cell and method of fabricating same

(71) Trina Solar Co., Ltd.  
 (21) 2024203442 (22) 23.05.2024  
 (54) Solar cell and manufacturing method thereof, photovoltaic module, and photovoltaic system

(71) Trina Solar Co., Ltd.  
 (21) 2024203444 (22) 23.05.2024  
 (54) Solar cell and manufacturing method thereof, photovoltaic module, and photovoltaic system

(71) TRINA SOLAR CO., LTD.  
 (21) 2024203400 (22) 22.05.2024  
 (54) Passivated contact structure and preparation method thereof, and solar cell and preparation method thereof

(71) Ultracine Studios Inc.  
 (21) 2024203449 (22) 23.05.2024  
 (54) Method of and system for performing simulation of object-to-object interaction with a 3D avatar

(71) University of Maryland, Baltimore  
 (21) 2024203398 (22) 22.05.2024  
 (54) Non-ATP/catalytic site p38 mitogen activated protein kinase inhibitors

(71) University Of Massachusetts  
 (21) 2024203491 (22) 24.05.2024  
 (54) AAV capsid designs

(21) 2024203464

(71) Viax Dental Technologies LLC  
 (21) 2024203376 (22) 21.05.2024  
 (54) SYSTEM FOR PREPARING TEETH FOR THE PLACEMENT OF VENEERS

(71) Viessmann Refrigeration Solutions GmbH  
 (21) 2024203401 (22) 22.05.2024  
 (54) Clamping device, clamping system and tensioning system for forming modular units

(71) Vojkovsky, T.; Intezyne Technologies, Inc.; Carie, A.; Sill, K.  
 (21) 2024203511 (22) 27.05.2024  
 (54) Manufacture of trans-[tetrachlorobis(1H-indazole)ruthenate (III)] and compositions thereof

(71) Watgrid, Lda.  
 (21) 2024203388 (22) 22.05.2024  
 (54) LEVEL AND/OR DENSITY SENSOR DEVICE FOR LIQUID RECEPTACLES

(71) Whitehead Institute for Biomedical Research  
 (21) 2024203525 (22) 27.05.2024  
 (54) Reprogramming of somatic cells

(71) Wing Aviation LLC  
 (21) 2024203404 (22) 22.05.2024  
 (54) Detection of environmental changes to delivery zone

(71) Wonderland Switzerland AG  
 (21) 2024203574 (22) 28.05.2024  
 (54) Baby stroller with a folding mechanism triggered by a child carrier

(71) XEOS IMAGING INC.  
 (21) 2024203529 (22) 27.05.2024  
 (54) Semantic segmentation of airborne LiDAR data by artificial intelligence

(71) Zelira Therapeutics Operations Pty Ltd  
 (21) 2024203468 (22) 24.05.2024  
 (54) Cannabis Composition

(71) ZHANG, S.  
 (21) 2024203467 (22) 24.05.2024  
 (54) Box and outdoor electric appliance

Varigos, E. see Liebert, A.

Numerical Index

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| 2024203368 | Polaris Industries Inc.                                                                                        | 2024203437 | Biogen MA Inc.                                                                      |
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| 2024203374 | Itron, Inc.                                                                                                    | 2024203442 | Trina Solar Co., Ltd.                                                               |
| 2024203375 | Light Bio, Inc                                                                                                 | 2024203443 | DISNEY ENTERPRISES, INC.; ETH ZÜRICH                                                |
| 2024203376 | Viax Dental Technologies LLC                                                                                   | 2024203444 | Trina Solar Co., Ltd.                                                               |
| 2024203377 | Fred Hutchinson Cancer Center                                                                                  | 2024203445 | PRC-DeSoto International, Inc.                                                      |
| 2024203378 | Light Bio, Inc                                                                                                 | 2024203446 | Torraspapel, S.A.U.                                                                 |
| 2024203380 | PEACEWORLD CO., LTD                                                                                            | 2024203447 | Channel Medsystems, Inc.                                                            |
| 2024203384 | Amgen Research (Munich) GmbH                                                                                   | 2024203448 | Ocular Therapeutix, Inc.                                                            |
| 2024203385 | IGT                                                                                                            | 2024203449 | Ultracine Studios Inc.                                                              |
| 2024203386 | IGT                                                                                                            | 2024203450 | Ayonz Pty Limited                                                                   |
| 2024203387 | Precision BioSciences, Inc.                                                                                    | 2024203451 | iOmx Therapeutics AG                                                                |
| 2024203388 | Watgrid, Lda.                                                                                                  | 2024203452 | Canon Kabushiki Kaisha                                                              |
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| 2024203390 | Alnylam Pharmaceuticals, Inc.                                                                                  | 2024203454 | SHANDONG UNIVERSITY                                                                 |
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| 2024203396 | The Board of Trustees of the Leland Stanford Junior University                                                 | 2024203461 | Asghar Ali, M.; Asghar Ali, M.                                                      |
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| 2024203505 | REPT BATTERO Energy Co., Ltd.; Shanghai Ruipu Energy Co., Ltd.                                                            |
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| 2024203511 | Vojkovsky, T.; Intezyne Technologies, Inc.; Carie, A.; Sill, K.                                                           |
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| 2024203514 | AKL Research and Development Ltd.                                                                                         |
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| 2024203517 | Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)                                        |
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| 2024203524 | Inovio Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology |
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| 2024203526 | Bytedance Inc.                                                                                                            |
| 2024203527 | Hagen, T.; Raison, LLC                                                                                                    |
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**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

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

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)
  
- A Applications on which examination has not been requested or directed
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- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
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2021200222 ( 14 ) 2021200275 ( 25D ) 2021200915 ( 14 )  
 2021202104 ( 5C ) 2021231714 ( 5C ) 2021248840 ( 5C )  
 2021254544 ( 25D ) 2021261870 ( 4C ) 2021286301 ( 5C )  
 2021286338 ( 4C ) 2021290236 ( 4C ) 2021290438 ( 4C )  
 2021308941 ( 5C ) 2021323412 ( 5C ) 2021359793 ( 25D )  
 2021376721 ( 5C )

**2022**

2022200125 ( 5C ) 2022200145 ( 4C ) 2022200228 ( 4C )  
 2022200271 ( 5C ) 2022200387 ( 5C ) 2022200609 ( 5C )  
 2022200818 ( 5C ) 2022200854 ( 5C ) 2022201128 ( 5C )  
 2022201352 ( 5C ) 2022201411 ( 4C ) 2022201486 ( 5C )  
 2022201495 ( 4C ) 2022201508 ( 5C ) 2022201510 ( 25D )  
 2022201568 ( 4C ) 2022201584 ( 5C ) 2022201638 ( 5C )  
 2022201784 ( 5C ) 2022201833 ( 4C ) 2022201851 ( 5C )  
 2022202177 ( 5C ) 2022202701 ( 5C ) 2022203161 ( 5C )  
 2022203199 ( 5C ) 2022203248 ( 5C ) 2022203427 ( 5C )  
 2022203587 ( 5C ) 2022203722 ( 5C ) 2022203928 ( 5C )  
 2022204042 ( 5C ) 2022204368 ( 5C ) 2022204438 ( 5C )  
 2022205167 ( 5C ) 2022205258 ( 5C ) 2022211860 ( 5C )  
 2022218622 ( 4C ) 2022220018 ( 5C ) 2022221403 ( 5C )  
 2022224718 ( 5C ) 2022246470 ( 5C ) 2022275437 ( 4C )

2022275516 ( 4C )

**2023**

2023202045 ( 5CN ) 2023901651 ( 12AN ) 2023901652 ( 12AN )  
2023901677 ( 12AN ) 2023901754 ( 12AN )

**2024**

2024201487 ( 1B ) 2024201492 ( 1B ) 2024201504 ( 1B )  
2024201780 ( 7AN ) 2024203375 ( 12AN ) 2024901503 ( 12AN )

**Assignments before Grant, Section 113**

**2019**

2019308471 Merichem Company The application has been assigned to **Merichem Technologies, LLC**

**2020**

2020202583 Vale S.A. The application has been assigned to **ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV; Vale S.A.**

**2021**

2021377729 VALE S.A. The application has been assigned to **ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV; VALE S.A.**

**2022**

2022292592 SUZHOU FUSE BIOSCIENCES LIMITED The application has been assigned to **FUSE BIOSCIENCES (HONG KONG) LIMITED**

2022303540 REMONI TECHNOLOGIES RO SRL The application has been assigned to **REMONI A/S**

**2023**

2023902627 Ainslie, Mark; Bumby, Christopher; Durrell, John; Taylor, Ross; Weijers, Hubertus The application has been assigned to **Victoria Link Limited; Cambridge Enterprise Limited**

**Extensions of Time, Section 223**

**Applications Received**

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

**2018**

2018431454 **Sugirthamuthu, S.; Parikumar, P.** An application to extend the time from 13 Jul 2023 to 13 Mar 2024 in which to pay a renewal fee has been filed . Address for service - SHOBHANA SUGIRTHAMUTHU C/o CB Jai Lawers 69 Toongabbie Road Toongabbie NSW 2146 AU

**2022**

2022259816 **DOSE Medical Corporation** An application to extend the time from 18 May 2023 to 18 Jan 2024 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**Extensions of Time, Section 223**

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

**2006**

2006272429 **Sundermann Water Power Ltd** The time in which to pay a renewal fee has been extended to 05 Mar 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2016**

2016297439 **Hasan, Syed Kamran** The time in which to pay a renewal fee has been extended to 04 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018100144 **NINE IP LIMITED** The time in which to pay a renewal fee has been extended to 02 Sep 2023 . Address for service - Nine IP Ltd 44 K Constellation Drive Auckland 0632 NZ

2018226615 **Process Plants International Pty Ltd** The time in which to gain acceptance has been extended to 20 Jun 2024 . Address for service - Process Plants International Pty Ltd PO Box 1158 Fremantle WA 6959 AU

**2019**

2019289064 **Okta, Inc.** The time in which to pay a continuation fee has been extended to 05 Jan 2024 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2019379869 **2B1K Imports Pty Ltd** The time in which to pay a renewal fee has been extended to 23 Feb 2024 . Address for service - Pearce IP Pty Ltd L5, 20 Bond St SYDNEY NSW 2000 AU

2019393745 **The Rockefeller University; California Institute of Technology** The time in which to request examination has been extended to 12 Mar 2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

**2020**

2020245712 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020245713 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020245903 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020245904 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020247833 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

**Extensions of Time, Section 223**

2020247834 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020249288 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020249289 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020249290 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2020249291 **Xard Group Pty Ltd** The time in which to request examination has been extended to 03 Apr 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

**2021**

2021102256 **Fitness Systems United Pty Ltd** The time in which to pay a renewal fee has been extended to 29 Nov 2023 . Address for service - GLMR PO Box Q1615 Queen Victoria Building NSW 1230 AU

**2022**

2022204137 **Okta, Inc.** The time in which to pay a continuation fee has been extended to 04 Jan 2024 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2023**

2023202837 **Live Nation Entertainment, Inc.** The time in which to pay a continuation fee has been extended to 27 Feb 2024 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**Amendments****Applications for Amendment**

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

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

**2018**

2018368801 Interconnecting modular components to form remote unit for use within distributed antenna system **CommScope Technologies LLC** The nature of the amendment is as shown in the statement(s) filed 20 May 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2019**

2019323306 Terminal and wireless communication method **NTT DOCOMO, INC.** The nature of the amendment is as shown in the

**Amendments**

statement(s) filed 20 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019348732 Clostridial neurotoxins comprising an exogenous activation loop **Ipsen Biopharm Limited** The nature of the amendment is as shown in the statement(s) filed 14 May 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2020**

2020303566 Automated transaction machine **Diebold Nixdorf Incorporated** The nature of the amendment is as shown in the statement(s) filed 29 Apr 2024 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2021**

2021246118 Methods of treating coronavirus **Veru Inc.** The nature of the amendment is as shown in the statement(s) filed 22 May 2024 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

**2023**

2023222920 METHOD FOR REMOVING HALIDE FROM WAELEZ OXIDE **KOREA ZINC CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 07 May 2024 . Address for service - ET Intellectual Property PO Box 10 932 Wellington 6140 NZ

**Amendments Made****2016**

2016361517 **Annexon, Inc.** The nature of the amendment is as shown in the statement filed 20 Feb 2024

**2017**

2017222399 **The Binding Site Group Limited; Mayo Foundation for Medical Education and Research** The nature of the amendment is: Amend the invention title to read Mass Spectrometry Kit

2017353868 **Evans, D.; Noyce, R.; Lederman, S.** The nature of the amendment is as shown in the statement filed 28 Feb 2024

2017372711 **Bettcher Industries, Inc.** The nature of the amendment is as shown in the statement filed 13 Dec 2023

**2018**

2018223032 **Whirlpool Corporation** The nature of the amendment is as shown in the statement filed 09 May 2024

2018320864 **NAPIGEN, Inc.** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 14 Mar 2024

2018365755 **Meiji Co., Ltd.** The nature of the amendment is as shown in the statement filed 20 Feb 2024

**2019**

2019203593 **ERICO International Corporation** The nature of the amendment is as shown in the statement filed 27 Feb 2024

**Amendments**

2019225884 **BASF SE** The nature of the amendment is as shown in the statement filed 27 Feb 2024

2019245435 **CommScope Technologies LLC** The nature of the amendment is as shown in the statement filed 24 Jan 2024

**2020**

2020264275 **Variation Biotechnologies Inc.; Sorbonne Université** The nature of the amendment is: Amend the name of the inventor to read ANDERSON, David E.; FLUCKIGER, Anne-Catherine; KLATZMANN, David and FRIBERT, Charlotte

2020445354 **JPMorgan Chase Bank, N.A.** The nature of the amendment is: Amend the name of the inventor to read KUMAR, Koushik Sampath

**2021**

2021332493 **SR Labs, Inc.** The nature of the amendment is as shown in the statement filed 01 Feb 2024

**2022**

2022204681 **Jacobio Pharmaceuticals Co., Ltd.** The nature of the amendment is as shown in the statement filed 20 Feb 2024

2022228157 **Pulpac AB** The nature of the amendment is as shown in the statement filed 06 May 2024

2022228191 **Apple Inc.** The nature of the amendment is as shown in the statement filed 22 Dec 2023

2022344243 **FLAGSHIP PIONEERING INNOVATIONS VI, LLC** The nature of the amendment is: Amend the name of the inventor to read ALTSHULER, Robert Charles; BOTHMER, Anne Helen; CITORIK, Robert James; COTTA-RAMUSINO, Cecilia Giovanna Silvia; KIM, Kyusik; KOTLAR, Randi Michelle; KUMAR, Sandeep; RAY, Ananya; ROQUET, Nathaniel; RUBENS, Jacob Rosenblum; SALOMON, William Edward; STEINBERG, Barrett Ethan; WANG, Zi Jun; AKINCI, Ersin and DOUSIS, Athanasios Dimitri

2022381360 **DLR GBR** The nature of the amendment is: Amend the name of the inventor to read SCHUTTENBACH PYZIAK, Andrzej

2022394196 **H&O BIOSIS CO., LTD.** The nature of the amendment is: Amend the invention title to read PHARMACEUTICAL COMPOSITION AND HEALTH FUNCTIONAL FOOD FOR PREVENTION OR TREATMENT OF CANCER COMPRISING MIXED HERBAL EXTRACT

2022398862 **BODIT INC.** The nature of the amendment is: Amend the invention title to read Method, system, and non-transitory computer-readable recording medium for supporting labeling of sensor data

2022398862 **BODIT INC.** The nature of the amendment is: Amend the invention title to read Method, system, and non-transitory computer-readable recording medium for supporting labeling of sensor data

2022399569 **MANKIND CORPORATION** The nature of the amendment is: Amend the name of the inventor to read HOFMANN, Thomas and BANASCHEWSKI, Brandon

**Amendments**

2022427366 **NANJING CHERVON INDUSTRY CO., LTD.** The nature of the amendment is: Amend the invention title to read POWER TOOL AND CONTROL METHOD THEREOF

**2023**

2023200698 **Getac Technology Corporation** The nature of the amendment is: Amend the invention title to read Docking Station

2023200803 **Apple Inc.** The nature of the amendment is to add the names of the inventors GIULI, Richard Donald; BASTEAFORTE, Marcello; SADDLER, Harry Joseph and CHEN, Lik Harry

2023202682 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read GRUBER, Thomas Robert; CHEYER, Adam John; KEEN, Daniel S.; KITTLAUS, Dag; GUZZONI, Didier Rene; BRIGHAM, Christopher Dean; GIULI, Richard Donald; BASTEAFORTE, Marcello; SADDLER, Harry Joseph and CHEN, Lik Harry

2023258373 **Trina Solar (Suqian) Photoelectric Co., Ltd.; Trina Solar Co., Ltd.** The nature of the amendment is: Amend the co-applicant name to read Trina Solar (Suqian) Photoelectric Co., Ltd.

2023316464 **SIGNODE INDUSTRIAL GROUP LLC** The nature of the amendment is: Amend the name of the inventor to read MOGHAL, Jonathan, Mubarak Ali; GREENFIELD, Mark, James; VYAS, Gaurav, Maheshkumar; CLAYTON, Darren, Gary and LEINE, Guido

2023901859 **Asbestos Reports Australia Pty Limited** The nature of the amendment is: Amend the invention title to read TECHNOLOGY CONFIGURED TO ENABLE SECURE EXECUTION OF DOCUMENTS VIA EXTERNAL USER VERIFICATION PROCESS WHICH GENERATES UNIQUE CHECK-IN EVENT DATA FIELD OF THE INVENTION

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

**2007**

2007329432 Store Electronic Systems The name of the patentee has been altered to **VusionGroup**

**2010**

2010238466 Store Electronic Systems The name of the patentee has been altered to **VusionGroup**

2010288620 Store Electronic Systems The name of the patentee has been altered to **VusionGroup**

**2012**

2012376565 Store Electronic Systems The name of the patentee has been altered to **VusionGroup**

**2016**

2016298735 SES-Imagotag The name of the patentee has been altered to **VusionGroup**

**2017**

2017402210 Suzhou Kanova Biopharmaceutical Co., Ltd. The name of the patentee has been altered to **Zhejiang Kanova Biopharmaceutical Co., Ltd.**

**Amendments****2018**

2018219796 ETS Technology Holding LLC The name of the applicant has been altered to **ETS Technology Holdings LLC**

2018285713 Verrica Pharmaceuticals, Inc. The name of the applicant has been altered to **Verrica Pharmaceuticals Inc.**

2018336847 SES-Imagotag The name of the applicant has been altered to **VusionGroup**

**2020**

2020264275 Variation Biotechnologies Inc. The name of the applicant has been altered to **Variation Biotechnologies Inc.; Sorbonne Université**

**2021**

2021297965 Bioverativ Therapeutics Inc. ; Fondazione Telethon; Ospedale San Raffaele S.R.L. The name of the applicant has been altered to **Bioverativ Therapeutics Inc.; FONDAZIONE TELETHON ETS; Ospedale San Raffaele S.R.L.**

**2022**

2022380979 FLARE THERAPEUTICS INC.; Danmei DAI; Bo ZHENG; Fei WANG; Liqing CONG; Yaohui HUANG; Runyan LI; Xiaoyang WANG; Peter WADE The name of the applicant has been altered to **FLARE THERAPEUTICS INC.**

2022391739 RAPIDPULSE, INC.; Alejandro N. CALDRON ; Sean M. MCBRAYER The name of the applicant has been altered to **RAPID-PULSE, INC.**

**2023**

2023204584 Verrica Pharmaceuticals, Inc. The name of the applicant has been altered to **Verrica Pharmaceuticals Inc.**

2023209608 REDX PHARMA PLC The name of the applicant has been altered to **Redx Pharma Limited**

2023210567 SES-Imagotag The name of the applicant has been altered to **VusionGroup**

Applications Open to Public Inspection

Name Index

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(71) 10X Genomics, Inc.<br/>                     (11) AU-A-2024203235<br/>                     (21) 2024203235 (22) 15.05.2024<br/>                     (54) MICROCAPSULE COMPOSITIONS AND METHODS<br/>                     (51) Int. Cl.<br/>                     A61K 9/50 ( 2006.01 )<br/>                     A61K 9/52 ( 2006.01 )<br/>                     C12P 19/34 ( 2006.01 )</p>                                                                   | <p>(43) 06.06.2024<br/>                     (72) Lin, Zhe; Zhou, Yuqian; Amirghodsi, Sohrab; Cohen, Scott; Liu, Qing; Lu, Jingwan; Zhang, Jianming; Zheng, Haitian; Shechtman, Elya; Barnes, Connelly<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                      | <p>(21) 2023270204 (22) 21.11.2023<br/>                     (54) DETECTING AND MODIFYING OBJECT ATTRIBUTES<br/>                     (51) Int. Cl.<br/>                     G06V 10/22 ( 2022.01 )<br/>                     G06F 3/00 ( 2006.01 )<br/>                     G06N 3/02 ( 2006.01 )<br/>                     G06T 7/11 ( 2017.01 )<br/>                     G06V 10/25 ( 2022.01 )<br/>                     G06V 10/82 ( 2022.01 )<br/>                     G06V 20/50 ( 2022.01 )<br/>                     G06V 20/70 ( 2022.01 )</p>                                                                                                                                                                                                                |
| <p>(43) 06.06.2024<br/>                     (62) 2022200718<br/>                     (72) Saxonov, Serge; Hindson, Benjamin; Schnall-Levin, Michael<br/>                     (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>                                                                                                                                                                                                                             | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023233192<br/>                     (21) 2023233192 (22) 22.09.2023<br/>                     (54) REMOVING DISTRACTING OBJECTS FROM DIGITAL IMAGES<br/>                     (51) Int. Cl.<br/>                     G06T 5/00 ( 2006.01 )<br/>                     G06N 3/02 ( 2006.01 )<br/>                     G06T 7/507 ( 2017.01 )</p>                                                                                                                                                                                                                                           | <p>(31) 18/058,622 (32) 23.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Zhe Lin; Scott Cohen; Kushal Kaffle<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>(71) Acoustic Data Limited<br/>                     (11) AU-A-2023266303<br/>                     (21) 2023266303 (22) 15.11.2023<br/>                     (54) Gauge hanger<br/>                     (51) Int. Cl.<br/>                     E21B 47/01 ( 2012.01 )<br/>                     E21B 23/01 ( 2006.01 )<br/>                     E21B 47/06 ( 2012.01 )</p>                                                                                       | <p>(31) 18/058,554 (32) 23.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Ding, Zhihong; Lin, Zhe; Cohen, Scott; Liu, Qing; Figueroa, Luis<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                                           | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023270205<br/>                     (21) 2023270205 (22) 21.11.2023<br/>                     (54) DILATING OBJECT MASKS TO REDUCE ARTIFACTS DURING INPAINTING<br/>                     (51) Int. Cl.<br/>                     G06V 10/26 ( 2022.01 )<br/>                     G06F 3/01 ( 2006.01 )<br/>                     G06N 3/02 ( 2006.01 )<br/>                     G06T 7/11 ( 2017.01 )<br/>                     G06V 10/82 ( 2022.01 )</p>                                                                                                                                                                                                                                                       |
| <p>(31) 2217196.1 (32) 17.11.22 (33) GB<br/>                     (43) 06.06.2024<br/>                     (72) Stephen MURPHY; Mark Clifton TOLLEY; Guy Harvey MASON; Matthew John NORGATE<br/>                     (74) FB Rice Pty Ltd</p>                                                                                                                                                                                                                     | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023233197<br/>                     (21) 2023233197 (22) 22.09.2023<br/>                     (54) MULTI-MODAL IMAGE EDITING<br/>                     (51) Int. Cl.<br/>                     G06T 11/60 ( 2006.01 )<br/>                     G06N 3/08 ( 2023.01 )<br/>                     G06V 10/30 ( 2022.01 )</p>                                                                                                                                                                                                                                                                 | <p>(31) 18/058,601 (32) 23.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Qing Liu; Zhe Lin; Luis Figueroa; Scott Cohen<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023226756<br/>                     (21) 2023226756 (22) 08.09.2023<br/>                     (54) IMPROVED MODELING INTERFACES WITH PROGRESSIVE CLOTH SIMULATION<br/>                     (51) Int. Cl.<br/>                     G06T 7/507 ( 2017.01 )<br/>                     G06T 7/60 ( 2017.01 )<br/>                     G06T 17/30 ( 2006.01 )<br/>                     G06T 19/20 ( 2011.01 )</p> | <p>(31) 18/057,851 (32) 22.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Zhang, Zhifei; Lin, Zhe; Hinz, Tobias; Xie, Shaoan<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023270207<br/>                     (21) 2023270207 (22) 21.11.2023<br/>                     (54) MODIFYING DIGITAL IMAGES VIA SCENE-BASED EDITING USING IMAGE UNDERSTANDING FACILITATED BY ARTIFICIAL INTELLIGENCE<br/>                     (51) Int. Cl.<br/>                     G06V 10/22 ( 2022.01 )<br/>                     G06F 3/01 ( 2006.01 )<br/>                     G06N 3/02 ( 2006.01 )<br/>                     G06T 7/11 ( 2017.01 )<br/>                     G06V 10/25 ( 2022.01 )<br/>                     G06V 10/26 ( 2022.01 )<br/>                     G06V 10/82 ( 2022.01 )<br/>                     G06V 20/50 ( 2022.01 )<br/>                     G06V 20/70 ( 2022.01 )</p> |
| <p>(31) 17/989,239 (32) 17.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Kaufman, Daniel; Fei, Yun; Dumas, Jeremie; Jacobson, Alec; Zhang, Jiayi<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                         | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023270203<br/>                     (21) 2023270203 (22) 21.11.2023<br/>                     (54) DETECTING OBJECT RELATIONSHIPS AND EDITING DIGITAL IMAGES BASED ON THE OBJECT RELATIONSHIPS<br/>                     (51) Int. Cl.<br/>                     G06T 11/60 ( 2006.01 )<br/>                     G06N 3/02 ( 2006.01 )<br/>                     G06N 20/00 ( 2019.01 )<br/>                     G06T 7/12 ( 2017.01 )<br/>                     G06T 7/70 ( 2017.01 )<br/>                     G06V 10/26 ( 2022.01 )<br/>                     G06V 10/44 ( 2022.01 )</p> | <p>(31) 18/058,630 (32) 23.11.22 (33) US<br/>                     (43) 06.06.2024<br/>                     (72) Scott Cohen; Zhe Lin; Luis Figueroa; Zhihong Ding; Kushal Kaffle<br/>                     (74) RnB IP Pty Ltd</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023233182<br/>                     (21) 2023233182 (22) 22.09.2023<br/>                     (54) IMAGE AND OBJECT INPAINTING WITH DIFFUSION MODELS<br/>                     (51) Int. Cl.<br/>                     G06N 3/0475 ( 2023.01 )<br/>                     G06T 5/00 ( 2006.01 )</p>                                                                                                             | <p>(71) Adobe Inc.<br/>                     (11) AU-A-2023270204</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>(31) 18/058,027 (32) 22.11.22 (33) US</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Applications Open to Public Inspection - Name Index cont'd

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(71) AdvanCell Isotopes Pty Limited  
 (11) AU-A-2024203217  
 (21) 2024203217 (22) 15.05.2024  
 (54) Materials and processes for generating radioisotope  
 (51) Int. Cl.  
     C25D 11/26 ( 2006.01 )  
     C04B 41/00 ( 2006.01 )  
     C04B 41/45 ( 2006.01 )  
     C04B 41/50 ( 2006.01 )  
     G21G 4/08 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022335151  
 (72) KELLY, Julian Frederick  
 (74) FB Rice Pty Ltd

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(71) AdvanCell Isotopes Pty Limited  
 (11) AU-A-2024203219  
 (21) 2024203219 (22) 15.05.2024  
 (54) Materials and processes for generating radioisotope  
 (51) Int. Cl.  
     C25D 11/26 ( 2006.01 )  
     C04B 41/00 ( 2006.01 )  
     C04B 41/45 ( 2006.01 )  
     C04B 41/50 ( 2006.01 )  
     G21G 4/08 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022335151  
 (72) KELLY, Julian Frederick  
 (74) FB Rice Pty Ltd

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(71) AIGI Environmental Inc.  
 (11) AU-A-2023216727  
 (21) 2023216727 (22) 14.08.2023  
 (54) Pre-tightening disc spring, assembly comprising the pre-tightening disc spring, and method for manufacturing the pre-tightening disc spring  
 (51) Int. Cl.  
     F16F 1/32 ( 2006.01 )  
     F16B 39/24 ( 2006.01 )  
     F16B 43/00 ( 2006.01 )  
 (31) 202211456142.X (32) 21.11.22 (33) CN  
 (43) 06.06.2024  
 (72) ZHAO, Jingwei; ZHANG, Jun  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023266324  
 (21) 2023266324 (22) 16.11.2023  
 (54) Process and Apparatus for Cracking Ammonia  
 (51) Int. Cl.  
     C01B 3/04 ( 2006.01 )  
     B01J 8/04 ( 2006.01 )  
     B01J 8/06 ( 2006.01 )  
     C01B 3/58 ( 2006.01 )  
     F23C 13/00 ( 2006.01 )  
 (31) 17/990,815 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Vincent White; Andrew Shaw; Simon Craig Saloway  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023266326  
 (21) 2023266326 (22) 16.11.2023  
 (54) Process and Apparatus for Cracking Ammonia  
 (51) Int. Cl.  
     C01B 3/04 ( 2006.01 )  
     B01J 8/04 ( 2006.01 )  
     B01J 8/06 ( 2006.01 )  
     C01B 3/58 ( 2006.01 )  
     F23C 13/00 ( 2006.01 )  
 (31) 17/990,817 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Vincent White; Andrew Shaw; Simon Craig Saloway  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023266328  
 (21) 2023266328 (22) 16.11.2023  
 (54) Process and Apparatus for Cracking Ammonia  
 (51) Int. Cl.  
     C01B 3/04 ( 2006.01 )  
     B01J 8/04 ( 2006.01 )  
     B01J 8/06 ( 2006.01 )  
     C01B 3/58 ( 2006.01 )  
     F23C 13/00 ( 2006.01 )  
 (31) 17/990,823 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Andrew Shaw; Simon Craig Saloway  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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Akulshin, R. see Heenan, J.  
 (21) 2024203218

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(71) Alcon Inc.  
 (11) AU-A-2024203382  
 (21) 2024203382 (22) 21.05.2024  
 (54) INJECTOR, INTRAOCULAR LENS SYSTEM, AND RELATED METHODS  
 (51) Int. Cl.  
     A61F 2/16 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018290821  
 (72) Zacher, Rudolph F.; Sussman, Glenn; Safabash, Jason F.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Allan, O.  
 (11) AU-A-2024203324  
 (21) 2024203324 (22) 20.05.2024  
 (54) Dental Implant  
 (51) Int. Cl.  
     A61C 8/00 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2023202442  
 (72) Allan, Omid  
 (74) Patentec Patent Attorneys

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(71) Allen, T.  
 (11) AU-A-2024203303  
 (21) 2024203303 (22) 17.05.2024

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(54) SYSTEM FOR TIRE STORAGE, RETRIEVAL, AND INVENTORY MANAGEMENT  
 (51) Int. Cl.  
     B65G 1/02 ( 2006.01 )  
     G06Q 10/08 ( 2023.01 )  
 (43) 06.06.2024  
 (62) 2018219901  
 (72) Allen, Thomas J.  
 (74) AJ PARK

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(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2024203205  
 (21) 2024203205 (22) 15.05.2024  
 (54) Methods for treating or preventing TTR-associated diseases using transthyretin (TTR) iRNA compositions  
 (51) Int. Cl.  
     C12N 15/113 ( 2010.01 )  
     A61K 31/713 ( 2006.01 )  
     C07H 21/02 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2017376950  
 (72) Chan, Amy; Vest, John; Robbie, Gabriel; Attarwala, Husain Z.; Goel, Varun  
 (74) Griffith Hack

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(71) Alpha Tau Medical Ltd.  
 (11) AU-A-2024203338  
 (21) 2024203338 (22) 20.05.2024  
 (54) Activity levels for diffusing alpha-emitter radiation therapy  
 (51) Int. Cl.  
     A61N 5/10 ( 2006.01 )  
     A61B 6/00 ( 2006.01 )  
     A61B 34/10 ( 2016.01 )  
     A61K 51/00 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022204082  
 (72) KELSON, Itzhak; KEISARI, Yona; GAT, Amnon; DEN, Robert; MAGEN, Ofer; DOMANKEVICH, Vered; ARAZI, Li-or; COOKS, Tomer; HEGER, Guy; DUMANČIĆ, Mirta; LUZ, Ishai; VATARESCU, Maayan Hedva  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Amgen Inc.  
 (11) AU-A-2024203339  
 (21) 2024203339 (22) 20.05.2024  
 (54) Protein formulations  
 (51) Int. Cl.  
     A61K 9/19 ( 2006.01 )  
     A61K 38/18 ( 2006.01 )  
     A61K 39/00 ( 2006.01 )  
     A61K 47/02 ( 2006.01 )  
     A61K 47/26 ( 2006.01 )  
     A61K 47/42 ( 2017.01 )  
 (43) 06.06.2024  
 (62) 2020244570  
 (72) PARK, Sungae; KUHNS, Scott; RAT-TAN, Jennifer; PHILLIPS, Joseph  
 (74) Spruson & Ferguson

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(71) Anthrop LLC  
 (11) AU-A-2024203259

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 (54) Hybrid human-computer learning system
- (51) Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**G06N 3/08** ( 2023.01 )
- (43) 06.06.2024  
 (62) 2021232092  
 (72) GARDNER, Richard  
 (74) FB Rice Pty Ltd
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- (71) Apple Inc.  
 (11) AU-A-2024203238  
 (21) 2024203238 (22) 15.05.2024  
 (54) Device control using gaze information
- (51) Int. Cl.  
**G06F 3/16** ( 2006.01 )
- (43) 06.06.2024  
 (62) 2022231779  
 (72) KELLY, Sean Boland; BACIM DE ARAUJO E SILVA, Felipe; BARK, Karlin  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Apple Inc.  
 (11) AU-A-2024203239  
 (21) 2024203239 (22) 15.05.2024  
 (54) User interface for managing controllable external devices
- (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**G06F 3/0482** ( 2013.01 )  
**G06F 3/0488** ( 2022.01 )  
**G06F 13/10** ( 2006.01 )  
**H04L 12/28** ( 2006.01 )
- (43) 06.06.2024  
 (62) 2022291522  
 (72) COFFMAN, Patrick L.; BEHZADI, Arian; FOSS, Christopher Patrick; IRANI, Cyrus Daniel; KAWASHIMA, Iyuki; LEMAY, Stephen O.; SOLI, Christopher D.; WILSON, Christopher  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Apple Inc.  
 (11) AU-A-2024203309  
 (21) 2024203309 (22) 17.05.2024  
 (54) System, method and user interface for supporting scheduled mode changes on electronic devices
- (51) Int. Cl.  
**G06F 3/048** ( 2013.01 )  
**G06F 21/00** ( 2013.01 )
- (43) 06.06.2024  
 (62) 2022203663  
 (72) CROWLEY, Matthew W.; CARO, Pablo F.; NAGUIT, Charmian B.; GILRAVI, Eamon F.; FOSS, Christopher P.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Apple Inc.  
 (11) AU-A-2024203325  
 (21) 2024203325 (22) 20.05.2024  
 (54) Devices, methods, and graphical user interfaces for providing computer-generated experiences
- (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )
- G06F 3/0481** ( 2022.01 )  
**H04M 3/56** ( 2006.01 )  
**H04N 7/15** ( 2006.01 )
- (43) 06.06.2024  
 (62) 2021239971  
 (72) LEMAY, Stephen O.; IVE, Jonathan; SORRENTINO III, William A.; HUERGO WAGNER, Alfred B.; BACIM DE ARAUJO E SILVA, Felipe; DYE, Alan C.; SUZUKI, Gregg S.; ANTON, Peter D.; LYONS, Richard D.; WAN, Wan Si; PIVOŇKA, Pavel; KIM, Seung Wook; LINDMEIER, William D.; BAUERLY, Kristi E.S.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Apple Inc.  
 (11) AU-A-2024203393  
 (21) 2024203393 (22) 22.05.2024  
 (54) Methods for interacting with virtual controls and/or an affordance for moving virtual objects in virtual environments
- (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**G06F 3/04842** ( 2022.01 )
- (43) 06.06.2024  
 (62) 2021349381  
 (72) PASTRANA VICENTE, Israel; DASCOLA, Jonathan R.; HOLDER, Wesley M.; PALANGIE, Alexis Henri; BURNS, Aaron Mackay; PLA I CONESA, Pol; SORRENTINO III, William A.; LEMAY, Stephen O.; MCKENZIE, Christopher D.; HAJAS, Peter L.; CHIU, Shi-Sang; BOESEL, Benjamin H.; RAVASZ, Jonathan  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ARCTIC WOLF NETWORKS, INC.  
 (11) AU-A-2023266343  
 (21) 2023266343 (22) 16.11.2023  
 (54) METHODS AND APPARATUS FOR MONITORING NETWORK EVENTS FOR INTRUSION DETECTION
- (51) Int. Cl.  
**G06F 21/56** ( 2013.01 )  
**H04L 9/40** ( 2022.01 )
- (31) 18/056,840 (32) 18.11.22 (33) US 18/352,490 14.07.23 US  
 (43) 06.06.2024  
 (72) Geoffrey Ryan SALMON; Hazem Mohamed Ahmed SOLIMAN; Mohan RAO  
 (74) RnB IP Pty Ltd
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- (71) Arcus Biosciences, Inc.  
 (11) AU-A-2024203366  
 (21) 2024203366 (22) 21.05.2024  
 (54) Azolopyrimidine for the treatment of cancer-related disorders
- (51) Int. Cl.  
**C07D 403/04** ( 2006.01 )  
**A61K 31/4192** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )
- (43) 06.06.2024  
 (62) 2022203515  
 (72) BEATTY, Joel; DEBIEN, Laurent; JEFFREY, Jenna; LELETI, Manmohan Reddy; MANDAL, Debashis;
- MILES, Dillon; POWERS, Jay; ROSEN, Brandon; THOMAS-TRAN, Rhiannon; SHARIF, Ehesan  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2022256148  
 (21) 2022256148 (22) 22.09.2022  
 (54) GAMING SYSTEM AND METHOD
- (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 9/24** ( 2006.01 )  
**A63F 13/55** ( 2014.01 )  
**G06Q 50/34** ( 2012.01 )  
**H04L 67/125** ( 2022.01 )  
**G07F 17/34** ( 2006.01 )
- (43) 06.06.2024  
 (72) SUSLIK, Igor; CHAN, Matthew; RAE, Claudia; LIU, Andrew  
 (74) Griffith Hack
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- (71) Arvinas Operations, Inc.  
 (11) AU-A-2024203251  
 (21) 2024203251 (22) 16.05.2024  
 (54) Cereblon ligands and bifunctional compounds comprising the same
- (51) Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
- (43) 06.06.2024  
 (62) 2022221386  
 (72) CREW, Andrew P.; BERLIN, Michael; DONG, Hanqing; HORNBERGER, Keith R.; QIAN, Yimin; SNYDER, Lawrence B.; WANG, Jing; ZIMMERMANN, Kurt  
 (74) MINTER ELLISON
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- (71) Assa Abloy AB  
 (11) AU-A-2024203302  
 (21) 2024203302 (22) 17.05.2024  
 (54) Ultra-wide band radar for tailgating detection in access control systems
- (51) Int. Cl.  
**G07C 9/00** ( 2020.01 )  
**G07C 9/15** ( 2020.01 )  
**G07C 9/28** ( 2020.01 )
- (43) 06.06.2024  
 (62) 2021253293  
 (72) PIRCH, Hans-Juergen; PREVOST, Sylvain, Jacques  
 (74) Davies Collison Cave Pty Ltd
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- (71) Auris Health, Inc.  
 (11) AU-A-2024203395  
 (21) 2024203395 (22) 22.05.2024  
 (54) Robotic system with indication of boundary for robotic arm
- (51) Int. Cl.  
**A61B 34/37** ( 2016.01 )  
**A61B 1/00** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )

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 (62) 2018345516  
 (72) HO, Mingyen; NOONAN, David Paul;  
 CHUNG, Shu-Yun; JIANG, Allen  
 (74) Spruson & Ferguson

(71) AUSFAB INNOVATION PTY LTD  
 (11) AU-A-2023270225  
 (21) 2023270225 (22) 21.11.2023  
 (54) MOTORCYCLE OR TWO WHEELED  
 VEHICLE CARRIER  
 (51) Int. Cl.  
*B60R 9/10* ( 2006.01 )  
*B60P 3/07* ( 2006.01 )  
*B60P 3/079* ( 2006.01 )  
*B60R 9/06* ( 2006.01 )  
 (31) 2022903512 (32) 21.11.22 (33) AU  
 (43) 06.06.2024  
 (72) Thomas Joseph HOLMES  
 (74) Oxygene IP

(71) BASF Agricultural Solutions Seed US  
 LLC  
 (11) AU-A-2024203184  
 (21) 2024203184 (22) 14.05.2024  
 (54) Elite event EE-GM5 and methods and  
 kits for identifying such event in biolo-  
 gical samples  
 (51) Int. Cl.  
*C12N 15/82* ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2017382333  
 (72) Moser, Hal; Buyse, Maxim; Slabbinck,  
 Filip; Beilinson, Vadim; Kleven, Tom;  
 Daum, Julia; Aartsen, Wendy; Habex,  
 Veerle; McCarville, Michael  
 (74) Griffith Hack

(71) Becton, Dickinson and Company  
 (11) AU-A-2024203318  
 (21) 2024203318 (22) 20.05.2024  
 (54) Biological fluid collection device  
 (51) Int. Cl.  
*A61B 5/15* ( 2006.01 )  
*B01L 3/00* ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018301300  
 (72) IVOSEVIC, Milan; MUTHARD, Ryan,  
 W.; BLAKE, Alexander, James  
 (74) FB Rice Pty Ltd

(71) Bishop Tattoo Supply, Inc.  
 (11) AU-A-2023203155  
 (21) 2023203155 (22) 19.05.2023  
 (54) TATTOO MACHINE WITH MAGNET-  
 IC AND FRICTION POWER SOURCE  
 CONNECTOR  
 (51) Int. Cl.  
*H01R 11/30* ( 2006.01 )  
*A61M 37/00* ( 2006.01 )  
*H01R 13/62* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (31) 63/384,661 (32) 22.11.22 (33) US  
 18/304,751 21.04.23 US

(43) 06.06.2024  
 (72) Aguiar, Rodney; Parcon, Jadeanne;  
 Vescovi, Franco  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Boston Scientific Limited  
 (11) AU-A-2024203287  
 (21) 2024203287 (22) 17.05.2024  
 (54) Biopsy forceps with serrated cutting  
 jaws  
 (51) Int. Cl.  
*A61B 10/06* ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2019240258  
 (72) PUROHIT, Hitendra; MISHRA, Agrim;  
 ROHILLA, Rohit; BASU, Abhishek  
 (74) Spruson & Ferguson

(71) Boston Scientific Neuromodulation Cor-  
 poration  
 (11) AU-A-2024203319  
 (21) 2024203319 (22) 20.05.2024  
 (54) Closed loop control in spinal cord stim-  
 ulation therapy with non-detectable  
 neural responses  
 (51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
*A61N 1/05* ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2020428944  
 (72) ESTELLER, Rosana  
 (74) Spruson & Ferguson

(71) Burton, D.  
 (11) AU-A-2024203260  
 (21) 2024203260 (22) 16.05.2024  
 (54) Anaesthesia and Consciousness Depth  
 Monitoring System  
 (51) Int. Cl.  
*A61B 5/0205* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/325* ( 2021.01 )  
 (43) 06.06.2024  
 (62) 2023200267  
 (72) Burton, David  
 (74) Kerry Hubick

(71) Burzynski, S.  
 (11) AU-A-2024203261  
 (21) 2024203261 (22) 16.05.2024  
 (54) Methods for the treatment of leptomen-  
 ingeal disease  
 (51) Int. Cl.  
*A61K 31/198* ( 2006.01 )  
*A61K 31/192* ( 2006.01 )  
*A61K 31/197* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018282735  
 (72) BURZYNSKI, Stanislaw R.  
 (74) Dark IP

(71) Cambridge Enterprise Limited  
 (11) AU-A-2024203288  
 (21) 2024203288 (22) 17.05.2024  
 (54) Controllable transcription  
 (51) Int. Cl.  
*C12N 5/0735* ( 2010.01 )  
*C12N 15/86* ( 2006.01 )

(43) 06.06.2024  
 (62) 2017363950  
 (72) Vallier, Ludovic; Kotter, Mark;  
 Pawlowski, Matthias; Bertero, Aless-  
 andro; Ortmann, Daniel  
 (74) Allens Patent & Trade Mark Attorneys

(71) Cancer Research Technology Limited  
 (11) AU-A-2024203236  
 (21) 2024203236 (22) 15.05.2024  
 (54) Heterocyclic compounds as RET kinase  
 inhibitors  
 (51) Int. Cl.  
*C07D 495/04* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 31/4985* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )

(43) 06.06.2024  
 (62) 2022203916  
 (72) JORDAN, Allan; NEWTON, Rebecca;  
 WASZKOWYCZ, Bohdan; SUTTON,  
 Jonathan Mark; HYNDA, George; PAO-  
 LETTA, Silvia; FORDYCE, Euan Alex-  
 ander Fraser  
 (74) Spruson & Ferguson

(71) Canon Kabushiki Kaisha  
 (11) AU-A-2024203361  
 (21) 2024203361 (22) 21.05.2024  
 (54) Photoreceptor unit, cartridge, and elec-  
 trophotographic image forming device  
 (51) Int. Cl.  
*G03G 21/16* ( 2006.01 )  
*G03G 15/00* ( 2006.01 )  
*G03G 21/18* ( 2006.01 )

(43) 06.06.2024  
 (62) 2021333385  
 (72) MURAKAMI, Ryuta; HAYASHIDA,  
 Makoto; HAMADA, Takatoshi;  
 NIIKAWA, Yusuke; HIRAYAMA,  
 Akinobu; FUJINO, Toshiki; KAWAI, Ta-  
 chio; SASAKI, Teruhiko  
 (74) Spruson & Ferguson

(71) CDI Electrics Pty Ltd  
 (11) AU-A-2024202062  
 (21) 2024202062 (22) 28.03.2024  
 (54) Solar Panel Array  
 (51) Int. Cl.  
*F24S 25/16* ( 2018.01 )  
*F24S 25/632* ( 2018.01 )  
*F24S 40/80* ( 2018.01 )  
*H01L 31/042* ( 2014.01 )  
*H02S 20/00* ( 2014.01 )  
*H02S 30/10* ( 2014.01 )  
*F24S 25/60* ( 2018.01 )

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 (62) 2022203242  
 (72) BOWER, Darryl Arthur  
 (74) WRAYS PTY LTD

(71) Chester Brown Industries Pty Ltd  
 (11) AU-A-2023270226  
 (21) 2023270226 (22) 21.11.2023  
 (54) Extractor  
 (51) Int. Cl.  
     E04H 17/26 ( 2006.01 )  
     B25B 27/02 ( 2006.01 )  
 (31) 2022903500 (32) 21.11.22 (33) AU  
 (43) 06.06.2024  
 (72) Peter Chester  
 (74) MEYER WEST IP

(71) CHI BIOTECH CO., LTD.  
 (11) AU-A-2022472191  
 (21) 2022472191 (22) 09.12.2022  
 (54) DRUG TARGET FOR INHIBITING TUMOR, USE THEREOF AND ORAL DRUG  
 (51) Int. Cl.  
     A61K 31/192 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
 (31) 202211457404.4 (32) 21.11.22 (33) CN  
 (43) 06.06.2024  
 (72) ZHANG, Gong; CHEN, Yang; YU, Zhuo  
 (74) Alder IP Pty Ltd

Chromadex Inc. see The Queen's University Of Belfast  
 (21) 2024203216

(71) Commonwealth Scientific and Industrial Research Organisation  
 (11) AU-A-2024203232  
 (21) 2024203232 (22) 15.05.2024  
 (54) Protecting a bioactive and/or precursor thereof  
 (51) Int. Cl.  
     A23D 7/06 ( 2006.01 )  
     A23D 7/02 ( 2006.01 )  
     A23L 33/115 ( 2016.01 )  
     A23P 10/30 ( 2016.01 )  
     A61K 8/46 ( 2006.01 )  
     A61K 9/107 ( 2006.01 )  
     A61K 31/26 ( 2006.01 )  
     A61Q 19/00 ( 2006.01 )  
     C11B 5/00 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2023200311  
 (72) AUGUSTIN, Mary Ann; SANGUANSRI, Luz  
 (74) FB Rice Pty Ltd

(71) Complement Therapeutics Limited  
 (11) AU-A-2024203142  
 (21) 2024203142 (22) 13.05.2024  
 (54) C3b binding polypeptide  
 (51) Int. Cl.  
     C07K 14/705 ( 2006.01 )  
     A61K 38/17 ( 2006.01 )  
     C07K 14/47 ( 2006.01 )

(43) 06.06.2024  
 (62) 2019207457  
 (72) BISHOP, Paul; CLARK, Simon; UNWIN, Richard  
 (74) FB Rice Pty Ltd

(71) Converter Manufacturing, LLC  
 (11) AU-A-2024203364  
 (21) 2024203364 (22) 21.05.2024  
 (54) Formed thermoplastic article having smooth edges and, optionally, a peelable surface  
 (51) Int. Cl.  
     B29C 51/14 ( 2006.01 )  
     B29C 51/30 ( 2006.01 )  
     B65D 1/36 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2021261924  
 (72) WALLACE, Millard F.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Cornex New Energy Co.,Ltd.  
 (11) AU-A-2023258332  
 (21) 2023258332 (22) 30.10.2023  
 (54) A FIRE EXTINGUISHING SYSTEM AND A FIRE PRE-WARNING CONTROL METHOD FOR AN ENERGY STORAGE CONTAINER  
 (51) Int. Cl.  
     A62C 35/02 ( 2006.01 )  
     A62C 2/00 ( 2006.01 )  
     A62C 3/00 ( 2006.01 )  
 (31) 202211463245.9 (32) 21.11.22 (33) CN  
 (43) 06.06.2024  
 (72) Jianhua Peng; Xibin Wu; Xiangnan Bu; Yuanfu Jiang; Leijun Zhou  
 (74) Madderns Pty Ltd

(71) CPP Incorporated  
 (11) AU-A-2024203263  
 (21) 2024203263 (22) 16.05.2024  
 (54) Zone specific airflow condition forecasting system  
 (51) Int. Cl.  
     G06T 17/05 ( 2011.01 )  
 (43) 06.06.2024  
 (62) 2018432853  
 (72) BOURKE, Peter A.  
 (74) FPA Patent Attorneys Pty Ltd

Crook, E. see Heenan, J.  
 (21) 2024203218

(71) Deciphera Pharmaceuticals, LLC  
 (11) AU-A-2024203193  
 (21) 2024203193 (22) 14.05.2024  
 (54) Heteroarylaminopyrimidine amide autophagy inhibitors and methods of use thereof  
 (51) Int. Cl.  
     C07D 403/12 ( 2006.01 )  
     A61K 31/4439 ( 2006.01 )  
     A61K 31/506 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
     C07D 403/14 ( 2006.01 )

(43) 06.06.2024  
 (62) 2020274011  
 (72) FLYNN, Daniel L.; AHN, Yu Mi; CALDWELL, Timothy; VOGETI, Lakshminarayana  
 (74) Spruson & Ferguson

(71) Deere & Company  
 (11) AU-A-2023251447  
 (21) 2023251447 (22) 18.10.2023  
 (54) Filtered planning of path for a vehicle  
 (51) Int. Cl.  
     G05D 1/43 ( 2024.01 )  
     G01C 21/00 ( 2006.01 )  
     G06Q 50/02 ( 2012.01 )  
 (31) 17/990978 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Poduval, Manu; Subramanian, Shriram Prabu  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023255010  
 (21) 2023255010 (22) 27.10.2023  
 (54) Machine control based on measured soil strength  
 (51) Int. Cl.  
     A01B 79/02 ( 2006.01 )  
     A01B 63/00 ( 2006.01 )  
     A01C 7/20 ( 2006.01 )  
 (31) 18/056,939 (32) 18.11.22 (33) US  
 (43) 06.06.2024  
 (72) GARNER, Elijah B.; KRUEGER, Kelby J.; HUBNER, Cary S.; STEELE, Michael C.; WACKERLE, Bradley A.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023255016  
 (21) 2023255016 (22) 27.10.2023  
 (54) Controlling components of row unit based on soil strength  
 (51) Int. Cl.  
     A01B 79/02 ( 2006.01 )  
     A01B 63/00 ( 2006.01 )  
     A01C 7/20 ( 2006.01 )  
 (31) 18/056,933 (32) 18.11.22 (33) US  
 (43) 06.06.2024  
 (72) KRUEGER, Kelby J.; GARNER, Elijah B.; HUBNER, Cary S.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2023255022  
 (21) 2023255022 (22) 27.10.2023  
 (54) Generating soil strength metric during row unit operation and controlling row unit  
 (51) Int. Cl.  
     A01B 79/02 ( 2006.01 )  
     A01B 63/00 ( 2006.01 )  
     A01C 7/20 ( 2006.01 )  
 (31) 18/056,935 (32) 18.11.22 (33) US  
 (43) 06.06.2024  
 (72) GARNER, Elijah B.; HUBNER, Cary S.; KRUEGER, Kelby J.  
 (74) Davies Collison Cave Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

- 
- (71) DEMATIC GMBH  
 (11) AU-A-2023258411  
 (21) 2023258411 (22) 02.11.2023  
 (54) Method and device for cleaning a storage rack and a system and arrangement having such a device  
 (51) Int. Cl.  
**B65G 45/10** ( 2006.01 )  
**B65G 1/04** ( 2006.01 )  
 (31) 10 2022 130 470.1 (32) 17.11.22 (33) DE  
 (43) 06.06.2024  
 (72) Max HAUS; Tsz Fung MOK  
 (74) Griffith Hack
- 
- (71) Dexcom, Inc.  
 (11) AU-A-2024203301  
 (21) 2024203301 (22) 17.05.2024  
 (54) Systems and methods for health data visualization and user support tools for continuous glucose monitoring  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 31/00** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )  
**G16B 30/00** ( 2019.01 )  
**G16C 10/00** ( 2019.01 )  
 (43) 06.06.2024  
 (62) 2022202750  
 (72) CABRERA JR., Esteban; ARMENTA, Lauren Danielle; BELLIVEAU, Scott M.; BLACKWELL, Jennifer; BOWMAN, Leif N.; DRAEGER, Rian; GARCIA, Arturo; GOLDSMITH, Timothy Joseph; GRAY, John Michael; JACKSON, Andrea Jean; KAMATH, Apurv Ullas; KOEHLER, Katherine Yerre; KRAMER, Paul; MANDAPAKA, Aditya Sagar; MENSINGER, Michael Robert; MIKAMI, Sumitaka; MORRIS, Gary A.; NIRMAL, Hemant Mahendra; NOBLE-CAMPBELL, Paul; PUPA, Philip Thomas; REIHMANN, Eli; SIMPSON, Peter C.; SMITH, Brian Christopher; WILEY, Atim Joseph  
 (74) FB Rice Pty Ltd
- 
- (71) Dyno Nobel Inc.  
 (11) AU-A-2024203306  
 (21) 2024203306 (22) 17.05.2024  
 (54) Systems for automated loading of blastholes and methods related thereto  
 (51) Int. Cl.  
**E21B 41/00** ( 2006.01 )  
**E21B 43/263** ( 2006.01 )  
**E21B 47/00** ( 2012.01 )  
 (43) 06.06.2024  
 (62) 2019212935  
 (72) AVERETT, Jeff; GILTNER, Scott; O'CONNOR, Patrick  
 (74) Spruson & Ferguson
- 
- (71) Edgesmith Limited  
 (11) AU-A-2023266243  
 (21) 2023266243 (22) 14.11.2023
- 
- (54) Self-levelling support for cantilevered sliding gate  
 (51) Int. Cl.  
**E05D 15/06** ( 2006.01 )  
**E06B 11/04** ( 2006.01 )  
 (31) 794719 (32) 21.11.22 (33) NZ  
 (43) 06.06.2024  
 (72) Llewellyn Morgan  
 (74) Origin Patent and Trade Mark Attorneys
- 
- (71) Element 1 Corp  
 (11) AU-A-2024203357  
 (21) 2024203357 (22) 21.05.2024  
 (54) Hydrogen generation assemblies  
 (51) Int. Cl.  
**C01B 3/22** ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022221398  
 (72) EDLUND, David J.  
 (74) GLMR
- 
- (71) Epizyme, Inc.  
 (11) AU-A-2024203350  
 (21) 2024203350 (22) 21.05.2024  
 (54) METHODS OF USING EHMT2 INHIBITORS  
 (51) Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018243749  
 (72) Campbell, John Emmerson; Duncan, Kenneth William; Penebre, Elayne; Cosmopoulos, Kat; Klaus, Christine  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Exactech, Inc  
 (11) AU-A-2024203314  
 (21) 2024203314 (22) 18.05.2024  
 (54) PATELLA KIT AND METHODS FOR USING THEREOF  
 (51) Int. Cl.  
**A61F 2/00** ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018294410  
 (72) ANGIBAUD, Laurent; STROUD, Nick; LANSDOWN, Jason  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2024203228  
 (21) 2024203228 (22) 15.05.2024  
 (54) NASAL RESPIRATORY INTERFACE AND ADJUSTABLE HEADGEAR  
 (51) Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A62B 18/08** ( 2006.01 )  
**A63B 33/00** ( 2006.01 )
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- (71) Frogparking Limited  
 (11) AU-A-2023216762  
 (21) 2023216762 (22) 15.08.2023  
 (54) Vehicle barrier gate system  
 (51) Int. Cl.  
**E01F 13/06** ( 2006.01 )  
**G07C 9/30** ( 2020.01 )  
 (31) 17/989,003 (32) 17.11.22 (33) US  
 (43) 06.06.2024  
 (72) SANDBROOK, Donald H.  
 (74) Spruson & Ferguson
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- (71) FUSUS, LLC  
 (11) AU-A-2023263477  
 (21) 2023263477 (22) 08.11.2023  
 (54) EMERGENCY DISPATCH SYSTEM WITH VIDEO SECURITY CAMERA FEEDS AUGMENTED BY 360-DEGREE STATIC IMAGES  
 (51) Int. Cl.  
**H04W 4/90** ( 2018.01 )  
**G08B 23/00** ( 2006.01 )  
**G08B 25/00** ( 2006.01 )  
**H04W 4/38** ( 2018.01 )  
**H04W 76/50** ( 2018.01 )  
 (31) 17/990,998 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Chris Lindenau; David A. Robinson; Jesse H. Smith; Luis Fernando Diaz Velazquez; Cody D. Mullin  
 (74) RnB IP Pty Ltd
- 
- (71) Gambro Lundia AB  
 (11) AU-A-2024203229  
 (21) 2024203229 (22) 15.05.2024  
 (54) Sensor and apparatus for determining at least one parameter of blood circulating in an extracorporeal blood circuit  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/026** ( 2006.01 )  
**A61B 5/1455** ( 2006.01 )  
**A61M 1/16** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2019238375  
 (72) ROVATTI, Paolo; RAVAGLI, Enrico; SEVERI, Stefano  
 (74) Griffith Hack
- 
- (71) GeoToll, Inc.  
 (11) AU-A-2023266378  
 (21) 2023266378 (22) 17.11.2023  
 (54) SYSTEM AND METHOD TO REDUCE PROCESSING LOAD ON BACKEND SERVERS IN A VEHICLE MILES TRAVELED SYSTEM  
 (51) Int. Cl.  
**G07B 15/06** ( 2011.01 )  
**G06Q 50/00** ( 2012.01 )

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- G08G 1/127** ( 2006.01 )  
**(31)** 18/205,387 **(32)** 02.06.23 **(33)** US  
 63/426,472 18.11.22 US  
 63/431,548 09.12.22 US  
**(43)** 06.06.2024  
**(72)** Jaime Andres BORRAS; Wyatt Drake  
 GEIST  
**(74)** Baxter Patent Attorneys Pty Ltd
- 
- (71)** Getac Technology Corporation  
**(11)** AU-A-2023200832  
**(21)** 2023200832 **(22)** 14.02.2023  
**(54)** ELECTRONIC DEVICE HAVING M.2  
 CONNECTOR COMPATIBLE WITH  
 TWO COMMUNICATION MODULES,  
 METHOD FOR MAKING TWO COM-  
 MUNICATION MODULES BE COM-  
 PATIBLE IN SINGLE M.2 CONNECT-  
 OR, AND COMPUTER-IMPLEMENTED  
 METHOD THEREOF  
**(51)** Int. Cl.  
**H01R 13/64** ( 2006.01 )  
**(31)** 202211449032.0 **(32)** 18.11.22 **(33)** CN  
**(43)** 06.06.2024  
**(72)** Zhang, Zhi-Kai; Chen, Yu-Ting  
**(74)** Baxter Patent Attorneys Pty Ltd
- 
- (71)** Gilead Sciences, Inc.  
**(11)** AU-A-2024203282  
**(21)** 2024203282 **(22)** 17.05.2024  
**(54)** Processes and intermediates for pre-  
 paring MCL1 inhibitors  
**(51)** Int. Cl.  
**C07D 267/16** ( 2006.01 )  
**C07C 43/162** ( 2006.01 )  
**C07C 381/10** ( 2006.01 )  
**C07D 513/08** ( 2006.01 )  
**C07D 513/10** ( 2006.01 )  
**C07D 515/20** ( 2006.01 )  
**C07F 7/18** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2020391106  
**(72)** BRAK, Katrien; BULLOCK, Kae  
 M.; CIZIO, Greg; DAO, Kathy; DIX-  
 ON, Darryl D.; DUNETZ, Joshua R.;  
 HUMPHREYS, Luke D.; HUYNH, Valerie;  
 ISCHAY, Michael A.; JOHNSON,  
 Trevor C.; MERIT, Jeffrey E.; REGENS,  
 Christopher S.; STANDLEY, Eric A.;  
 STEINHUEBEL, Dietrich P.; SU, Justin  
 Y.; WU, Tao; YOUNG, Marshall D.  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Globaltech Corporation Pty Ltd  
**(11)** AU-A-2024203253  
**(21)** 2024203253 **(22)** 16.05.2024  
**(54)** Apparatus and method for measuring  
 drilling parameters of a down-the-hole  
 drilling operation for mineral exploration  
**(51)** Int. Cl.  
**E21B 47/12** ( 2012.01 )  
**E21B 10/00** ( 2006.01 )  
**E21B 47/00** ( 2012.01 )  
**(43)** 06.06.2024  
**(62)** 2022203817  
**(72)** Hill, Raymond; Stewart, Gordon  
**(74)** Griffith Hack
- 
- (71)** Golden Solar (Quanzhou) New Energy  
 Technology Co., Ltd.  
**(11)** AU-A-2023270247  
**(21)** 2023270247 **(22)** 21.11.2023  
**(54)** DOUBLE-SIDED TUNNELING SILIC-  
 ON-OXIDE PASSIVATED BACK-CON-  
 TACT SOLAR CELL AND PREPARA-  
 TION METHOD THEREOF  
**(51)** Int. Cl.  
**H01L 31/0216** ( 2014.01 )  
**H01L 21/38** ( 2006.01 )  
**H01L 29/12** ( 2006.01 )  
**H01L 31/04** ( 2014.01 )  
**H01L 31/18** ( 2006.01 )  
**(31)** 2022114628491 **(32)** 22.11.22 **(33)** CN  
**(43)** 06.06.2024  
**(72)** Kairui Lin  
**(74)** James & Wells Intellectual Property
- 
- (71)** Graphic Packaging International, LLC  
**(11)** AU-A-2023270303  
**(21)** 2023270303 **(22)** 23.11.2023  
**(54)** CARTON WITH DISPENSER  
**(51)** Int. Cl.  
**B65D 5/54** ( 2006.01 )  
**A47K 10/20** ( 2006.01 )  
**B65D 83/08** ( 2006.01 )  
**(31)** 63/427,652 **(32)** 23.11.22 **(33)** US  
**(43)** 06.06.2024  
**(72)** Silvio Bugelli  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- Haynes International, Inc. see ICL-IP Amer-  
 ica Inc.**  
**(21)** 2024203298
- 
- (71)** Haynes International, Inc.; ICL-IP Amer-  
 ica Inc.  
**(11)** AU-A-2024203299  
**(21)** 2024203299 **(22)** 17.05.2024  
**(54)** Solar tower system containing molten  
 chloride salts  
**(51)** Int. Cl.  
**F24S 20/20** ( 2018.01 )  
**C22C 19/05** ( 2006.01 )  
**C22C 30/00** ( 2006.01 )  
**F28F 21/08** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2018347410  
**(72)** DEODESHMUKH, Vinay; EFFENBER-  
 GER, Reinhard  
**(74)** Griffith Hack
- 
- (71)** Heenan, J.; Sullivan, D.; Akulshin, R.;  
 Crook, E.  
**(11)** AU-A-2024203218  
**(21)** 2024203218 **(22)** 15.05.2024  
**(54)** System and method for evaluating the  
 true reach of social media influencers  
**(51)** Int. Cl.  
**G06Q 30/02** ( 2023.01 )  
**G06N 5/04** ( 2023.01 )  
**(43)** 06.06.2024  
**(62)** 2018297166  
**(72)** SULLIVAN, Dion; HEENAN, Joshua;  
 AKULSHIN, Roman; CROOK, Eric  
**(74)** Alder IP Pty Ltd
- 
- (71)** Hickson, D.  
**(11)** AU-A-2023254927  
**(21)** 2023254927 **(22)** 25.10.2023  
**(54)** METHOD AND APPARATUS FOR  
 DIVERTING WALL-MOUNTED TAP  
 LEAKS  
**(51)** Int. Cl.  
**E03C 1/02** ( 2006.01 )  
**E03C 1/04** ( 2006.01 )  
**(31)** 2022903467 **(32)** 17.11.22 **(33)** AU  
**(43)** 06.06.2024  
**(72)** Hickson, Dean  
**(74)** Michael Buck IP
- 
- (71)** Hitachi, Ltd.  
**(11)** AU-A-2024203343  
**(21)** 2024203343 **(22)** 20.05.2024  
**(54)** Maintenance plan assistance meth-  
 od and maintenance plan assistance  
 device  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**G05B 19/418** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2020385750  
**(72)** SHINGE, Takahide; AMIMOTO, Kaoru;  
 NISHIKAWA, Genta; NUMATA, Ippei;  
 UEKI, Yosuke  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Hollister Incorporated  
**(11)** AU-A-2024203327  
**(21)** 2024203327 **(22)** 20.05.2024  
**(54)** Hydrophilic medical products and hy-  
 dration mediums for hydrating the same  
**(51)** Int. Cl.  
**A61L 29/14** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2019269674  
**(72)** FARRELL, David J.; PANESAR,  
 Satwinder S.; MURRAY, Michael G.;  
 NAUGHTON, Vincent; O'DONNELL,  
 Paul M.; O'MAHONY, John P.; CLARK,  
 John T.  
**(74)** Spruson & Ferguson
- 
- (71)** HONEYWELL INTERNATIONAL INC.  
**(11)** AU-A-2023263515  
**(21)** 2023263515 **(22)** 09.11.2023  
**(54)** VIRTUAL PEAKER POWER PLANT  
**(51)** Int. Cl.  
**G06Q 10/04** ( 2023.01 )  
**G06N 5/00** ( 2023.01 )  
**G06Q 10/06** ( 2023.01 )  
**G06Q 30/0201** ( 2023.01 )  
**G06Q 50/06** ( 2012.01 )  
**H02J 3/38** ( 2006.01 )  
**(31)** 17/992065 **(32)** 22.11.22 **(33)** US  
**(43)** 06.06.2024  
**(72)** Sameer D. MANIKFAN; Andrew J.  
 TRENNARD  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** HOWMEDICA OSTEONICS CORP.  
**(11)** AU-A-2023266350

Applications Open to Public Inspection - Name Index cont'd

(21) 2023266350 (22) 16.11.2023  
 (54) ADDITIVE MANUFACTURING BUILD  
 REMOVAL DEVICE AND SYSTEM  
 (51) Int. Cl.  
*B22F 10/28* ( 2021.01 )  
*B22F 10/73* ( 2021.01 )  
*B22F 12/88* ( 2021.01 )  
*B33Y 30/00* ( 2015.01 )  
 (31) 63/426,162 (32) 17.11.22 (33) US  
 (43) 06.06.2024  
 (72) Alan O'SHEA  
 (74) IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024203304  
 (21) 2024203304 (22) 17.05.2024  
 (54) COMMUNICATION METHOD AND  
 DEVICE IN UPLINK COORDINATION  
 (51) Int. Cl.  
*H04W 28/16* ( 2009.01 )  
*H04W 28/18* ( 2009.01 )  
*H04W 48/08* ( 2009.01 )  
*H04W 72/12* ( 2023.01 )  
 (43) 06.06.2024  
 (62) 2021236725  
 (72) Li, Yunbo; Tsodik, Genadiy; Hencin-  
 ski, Oren; Yu, Jian; Guo, Yuchen; Gan,  
 Ming; Zhou, Yifan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Hurst, M.  
 (11) AU-A-2022252765  
 (21) 2022252765 (22) 16.09.2022  
 (54) Improved twist resistant roof structure  
 (51) Int. Cl.  
*E04D 13/16* ( 2006.01 )  
*E04D 12/00* ( 2006.01 )  
*E04G 21/32* ( 2006.01 )  
 (43) 06.06.2024  
 (72) HURST, Mario  
 (74) Spruson & Ferguson

(71) IB2  
 (11) AU-A-2024203245  
 (21) 2024203245 (22) 15.05.2024  
 (54) Method for processing bauxite  
 (51) Int. Cl.  
*C01F 7/14* ( 2022.01 )  
 (43) 06.06.2024  
 (62) 2018359800  
 (72) OCCELLO, Yves  
 (74) Davies Collison Cave Pty Ltd

(71) ICL-IP America Inc.; Haynes Interna-  
 tional, Inc.  
 (11) AU-A-2024203298  
 (21) 2024203298 (22) 17.05.2024  
 (54) Solar tower system containing molten  
 chloride salts  
 (51) Int. Cl.  
*F24S 20/20* ( 2018.01 )  
*C22C 19/05* ( 2006.01 )  
*C22C 30/00* ( 2006.01 )  
*F28F 21/08* ( 2006.01 )

(43) 06.06.2024  
 (62) 2018347410  
 (72) DEODESHMUKH, Vinay; EFFENBER-  
 GER, Reinhard  
 (74) Griffith Hack

ICL-IP America Inc. see Haynes Interna-  
 tional, Inc.  
 (21) 2024203299

(71) IGT  
 (11) AU-A-2023254958  
 (21) 2023254958 (22) 26.10.2023  
 (54) FUNDING OF PREPAID ACCESS AC-  
 COUNT ASSOCIATED WITH GAMING  
 ESTABLISHMENT ACCOUNT MAN-  
 AGEMENT SYSTEM  
 (51) Int. Cl.  
*G06Q 20/26* ( 2012.01 )  
*G07F 17/32* ( 2006.01 )  
 (31) 17/991,515 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Shepherd, Jeffery; Higgins, Kevin  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT  
 (11) AU-A-2023254959  
 (21) 2023254959 (22) 26.10.2023  
 (54) BENEFITS FOR RETAIL PURCHASES  
 EMPLOYING DEBIT CARD ASSOCI-  
 ATED WITH GAMING ESTABLISH-  
 MENT ACCOUNT MANAGEMENT  
 SYSTEM  
 (51) Int. Cl.  
*G06Q 20/38* ( 2012.01 )  
*G07F 17/32* ( 2006.01 )  
 (31) 17/992,544 (32) 22.11.22 (33) US  
 (43) 06.06.2024  
 (72) Shepherd, Jeffery; Higgins, Kevin  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT  
 (11) AU-A-2023254960  
 (21) 2023254960 (22) 26.10.2023  
 (54) DEBIT CARD INTEGRATED WITH  
 GAMING ESTABLISHMENT AC-  
 COUNT MANAGEMENT SYSTEM  
 (51) Int. Cl.  
*G06Q 20/42* ( 2012.01 )  
*G06Q 20/36* ( 2012.01 )  
*G06Q 50/34* ( 2012.01 )  
 (31) 17/991,557 (32) 21.11.22 (33) US  
 (43) 06.06.2024  
 (72) Shepherd, Jeffery; Higgins, Kevin  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Illinois Tool Works Inc.  
 (11) AU-A-2023254986  
 (21) 2023254986 (22) 26.10.2023  
 (54) A cable tie tensioning and cut-off tool  
 (51) Int. Cl.  
*B25B 25/00* ( 2006.01 )  
*B65B 13/02* ( 2006.01 )  
 (31) EP22208441.0 (32) 18.11.22 (33) EP  
 EP22211262.5 02.12.22 EP

(43) 06.06.2024  
 (72) GALLI, Giancarlo; ALTARINO, Lorenzo  
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.  
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 (54) Apparatus for connecting reinforcement  
 (51) Int. Cl.  
*B25B 27/00* ( 2006.01 )  
*B25B 5/04* ( 2006.01 )  
*B25B 21/00* ( 2006.01 )  
*E04C 5/03* ( 2006.01 )  
*E04C 5/16* ( 2006.01 )  
*E04G 21/12* ( 2006.01 )  
 (31) 2022903540 (32) 22.11.22 (33) AU  
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 (72) James STONE  
 (74) Davies Collison Cave Pty Ltd

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 (54) RECESSIVE PHOTOPERIOD-SENS-  
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 (51) Int. Cl.  
*C12N 15/29* ( 2006.01 )  
*A01H 5/00* ( 2018.01 )  
*A01H 5/02* ( 2018.01 )  
*A01H 6/60* ( 2018.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
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 (43) 06.06.2024  
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 Qifeng; QIAO, Kaikai  
 (74) Davies Collison Cave Pty Ltd

(71) Integrated Shoulder Collaboration, Inc.  
 (11) AU-A-2024203246  
 (21) 2024203246 (22) 16.05.2024  
 (54) Shoulder arthroplasty implant system  
 (51) Int. Cl.  
*A61B 17/56* ( 2006.01 )  
*A61B 17/72* ( 2006.01 )  
*A61F 2/28* ( 2006.01 )  
*A61F 2/30* ( 2006.01 )  
*A61F 2/40* ( 2006.01 )  
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 Heinz R.; Jacobson, Scott R.; Kelly II,  
 James D.; Miller, Drew; D'lima, Darryl;  
 Skinner, Nathaniel E.  
 (74) Davies Collison Cave Pty Ltd

(71) Intervet International B.V.  
 (11) AU-A-2024203397  
 (21) 2024203397 (22) 22.05.2024  
 (54) Antiparasitic pour-on compositions  
 (51) Int. Cl.  
*A61K 31/42* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61P 33/14* ( 2006.01 )

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 (72) SHEEHAN, John Gerard; FREEHAUF, Keith; FLOCHLAY-SIGOGNAULT, Annie  
 (74) Spruson & Ferguson

(71) Intuit Inc.  
 (11) AU-A-2024203294  
 (21) 2024203294 (22) 17.05.2024  
 (54) Minimizing regret through active learning for transaction categorization

(51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
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 (72) LESNER, Christopher Z.; RAN, Alexander S.; COOPER, Kristin  
 (74) Davies Collison Cave Pty Ltd

(71) Itron, Inc.  
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 (21) 2023233179 (22) 22.09.2023  
 (54) Capacitive electrical conductivity sensor integrated in a water meter  
 (51) Int. Cl.  
*G01F 23/26* ( 2022.01 )  
*G01N 11/02* ( 2006.01 )  
*G01N 27/26* ( 2006.01 )  
*G01R 27/26* ( 2006.01 )

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 (43) 06.06.2024  
 (72) Vago, Stephane; Carre, Patrice; Pastor, Gregory; Mosser, Vincent  
 (74) FPA Patent Attorneys Pty Ltd

(71) J. D. Theile GmbH & Co. KG  
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 (54) CHAIN AND ARRANGEMENT OF A CHAIN WITH A SPROCKET  
 (51) Int. Cl.  
*F16G 15/12* ( 2006.01 )  
*B65G 17/38* ( 2006.01 )  
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*F16G 13/00* ( 2006.01 )  
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 (43) 06.06.2024  
 (72) Ivan KRESIC; Dirk MAG  
 (74) Patent Attorney Services

(71) J. D. Theile GmbH & Co. KG  
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 (54) CHAIN  
 (51) Int. Cl.  
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 (72) Jörg Wirtz; Bernd Mürer  
 (74) Patent Attorney Services

(71) Jordan Rail Pty Ltd  
 (11) AU-A-2023266269

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 (54) High rail mechanism and associated high rail excavator  
 (51) Int. Cl.  
*E02F 9/02* ( 2006.01 )  
*B60F 1/00* ( 2006.01 )  
*B60F 1/04* ( 2006.01 )  
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 (72) Tomas Jordan  
 (74) Cooper IP Pty Ltd

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI  
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 (54) Vehicle operation assist system  
 (51) Int. Cl.  
*B60W 60/00* ( 2020.01 )  
*B60D 1/26* ( 2006.01 )  
*B60D 1/62* ( 2006.01 )  
*B60W 40/04* ( 2006.01 )  
*B60W 40/105* ( 2012.01 )  
*B64F 1/32* ( 2006.01 )  
*G01S 17/931* ( 2020.01 )  
*G06F 16/50* ( 2019.01 )  
 (31) 2022-185181 (32) 18.11.22 (33) JP  
 (43) 06.06.2024  
 (72) Shunsuke SASAKI; Fumihiko FUKATSU,  
 (74) Griffith Hack

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 (11) AU-A-2024203311  
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 (51) Int. Cl.  
*A63B 21/002* ( 2006.01 )  
*A61B 5/22* ( 2006.01 )  
 (43) 06.06.2024  
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 (72) SCERRI, David Charles; SAUNDERS, Steven Wayne  
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 (51) Int. Cl.  
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 (54) Antiviral 1,3-di-oxo-indene compounds  
 (51) Int. Cl.  
*C07D 405/12* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61P 31/16* ( 2006.01 )  
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 (11) AU-A-2024203326  
 (21) 2024203326 (22) 20.05.2024  
 (54) Nail correction kit  
 (51) Int. Cl.  
*A61K 8/81* ( 2006.01 )  
*A61F 5/11* ( 2006.01 )  
*A61Q 3/02* ( 2006.01 )

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 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2024203354  
 (21) 2024203354 (22) 21.05.2024  
 (54) RECOMBINANT MICROORGANISMS AND USES THEREFOR  
 (51) Int. Cl.  
*C12N 15/74* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 9/10* ( 2006.01 )  
*C12N 15/52* ( 2006.01 )  
*C12P 7/42* ( 2006.01 )

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 (72) LIEW, Fungmin; KOEPKE, Michael  
 (74) SR Intellectual Property

(71) Leverton Holding LLC  
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 (54) POST-FILTERING OF NAMED ENTITIES WITH MACHINE LEARNING  
 (51) Int. Cl.  
*G06F 40/20* ( 2020.01 )  
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 (1) Int. Cl.  
**G01R 31/317** ( 2006.01 )  
**G06F 9/22** ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (54) Image coding method based on transform and apparatus therefor  
 (51) Int. Cl.  
**H04N 19/61** ( 2014.01 )  
**H04N 19/11** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )  
**H04N 19/132** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
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 (54) REFRIGERATOR  
 (51) Int. Cl.  
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**F25D 23/02** ( 2006.01 )  
**F25D 27/00** ( 2006.01 )  
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 (54) Microdroplet manipulation method  
 (51) Int. Cl.  
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 (54) Ventricular assist device  
 (51) Int. Cl.  
**A61M 60/17** ( 2021.01 )  
**A61M 60/237** ( 2021.01 )  
**A61M 60/408** ( 2021.01 )

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 (54) FLUID CONTROL DEVICES AND METHODS OF USING THE SAME  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/15** ( 2006.01 )  
**A61B 5/153** ( 2006.01 )  
**A61B 10/00** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )

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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) MannKind Corporation  
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 (54) DRY POWDER INHALER  
 (51) Int. Cl.  
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**A61K 9/00** ( 2006.01 )

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**A61K 35/30** ( 2015.01 )  
**C12N 5/0789** ( 2010.01 )  
**C12N 5/079** ( 2010.01 )  
**C12N 5/0793** ( 2010.01 )  
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**G01N 33/50** ( 2006.01 )  
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 (21) 2024203230 (22) 15.05.2024  
 (54) Wearable electronic belt device  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/103** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
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 (72) Martinez, R. Eric; Koley, Goutam; Madathil, Kapil Chalil  
 (74) Davies Collison Cave Pty Ltd

(71) Moghe, V.  
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 (54) WIPING EXCESS COATING FROM HOT DIP METAL COATED STRIPS  
 (51) Int. Cl.  
**C23C 2/24** ( 2006.01 )  
**H01F 13/00** ( 2006.01 )  
**H01F 21/02** ( 2006.01 )  
**H01F 27/24** ( 2006.01 )  
**C23C 2/20** ( 2006.01 )  
 (31) 2022903498 (32) 20.11.22 (33) AU  
 (43) 06.06.2024  
 (72) Vijay Moghe  
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(71) Muzzroom bvba  
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 (54) Plant Cultivation Apparatus  
 (51) Int. Cl.  
**A01G 18/62** ( 2018.01 )  
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 (72) Lapierre, Stefaan  
 (74) Adams Pluck

(71) Nantcell, Inc.  
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**A61K 38/20** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )



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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) PROCESSES FOR PREPARING HYDROXIDES AND OXIDES OF VARIOUS METALS AND DERIVATIVES THEREOF  
 (51) Int. Cl.  
 C01G 53/04 ( 2006.01 )  
 B01D 61/42 ( 2006.01 )  
 C01B 13/14 ( 2006.01 )  
 C01D 15/02 ( 2006.01 )  
 C01F 7/02 ( 2022.01 )  
 C01G 45/02 ( 2006.01 )  
 C01G 51/04 ( 2006.01 )  
 C25B 1/04 ( 2021.01 )

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 (74) Madderns Pty Ltd

(71) Neuboron Therapy System Ltd.  
 (11) AU-A-2024203296  
 (21) 2024203296 (22) 17.05.2024  
 (54) BEAM IRRADIATION SYSTEM AND CONTROL METHOD THEREFOR  
 (51) Int. Cl.  
 A61N 5/10 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2020378461  
 (72) HUANG, Yongyin; CHEN, Weilin  
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 (21) 2024203252 (22) 16.05.2024  
 (54) Clip for mounting a solar module to a rail system  
 (51) Int. Cl.  
 H02S 20/00 ( 2014.01 )  
 F24S 25/634 ( 2018.01 )  
 (43) 06.06.2024  
 (62) 2021292460  
 (72) WATSON, Tyler; DELGADO-NANEZ, Ricardo  
 (74) Clark Intellectual Property Pty Ltd

(71) Nextracker LLC  
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 (21) 2024203332 (22) 20.05.2024  
 (54) Adjustable Clip Assembly for Solar Modules  
 (51) Int. Cl.  
 H02S 20/23 ( 2014.01 )  
 F16B 5/06 ( 2006.01 )  
 F24S 25/632 ( 2018.01 )  
 H02S 30/10 ( 2014.01 )

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 (72) WATSON, Tyler  
 (74) Clark Intellectual Property Pty Ltd

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 (11) AU-A-2023237150  
 (21) 2023237150 (22) 28.09.2023  
 (54) OPHTHALMIC SURGICAL INSTRUMENT AND METHOD OF USE  
 (51) Int. Cl.  
 A61F 9/007 ( 2006.01 )  
 A61B 90/30 ( 2016.01 )  
 A61M 25/00 ( 2006.01 )  
 A61B 3/117 ( 2006.01 )  
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 2023902287 18.07.23 AU  
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 (72) Green, Jordan  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

**Novartis AG see Korea Research Institute of Chemical Technology**

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 (51) Int. Cl.  
 A01H 5/08 ( 2018.01 )  
 A01H 6/34 ( 2018.01 )  
 (31) 63/426548 (32) 18.11.22 (33) US  
 (43) 06.06.2024  
 (72) Morgan Echeverry-Solarte  
 (74) Davies Collison Cave Pty Ltd

(71) NVIDIA Corporation  
 (11) AU-A-2024203233  
 (21) 2024203233 (22) 15.05.2024  
 (54) Techniques for parallel execution  
 (51) Int. Cl.  
 G06N 3/08 ( 2023.01 )  
 G06N 3/02 ( 2006.01 )  
 G06N 20/00 ( 2019.01 )  
 (43) 06.06.2024  
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 (72) Wang, Justin; Ju, Dz-ching  
 (74) Davies Collison Cave Pty Ltd

(71) Ojai Energetics PBC  
 (11) AU-A-2024203369  
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 (54) METHODS AND COMPOSITIONS FOR ENHANCING HEALTH  
 (51) Int. Cl.  
 A61K 31/01 ( 2006.01 )  
 A61K 31/015 ( 2006.01 )  
 A61K 31/045 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018243694  
 (72) Kleidon, William  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Oon, Y.  
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 (21) 2023266365 (22) 16.11.2023  
 (54) System and method of medical problem solving with medical narratives in a non-numerical computer spreadsheet  
 (51) Int. Cl.  
 G16H 10/60 ( 2018.01 )  
 G06F 40/117 ( 2020.01 )  
 G06N 5/025 ( 2023.01 )  
 G06N 5/04 ( 2023.01 )  
 G16H 50/20 ( 2018.01 )  
 G06F 16/242 ( 2019.01 )  
 G16H 15/00 ( 2018.01 )  
 G16H 80/00 ( 2018.01 )  
 (31) 2022903449 (32) 16.11.22 (33) AU  
 (43) 06.06.2024  
 (72) Yeong Oon  
 (74) Yeong Kuang Oon

(71) PepsiCo, Inc.  
 (11) AU-A-2024203257  
 (21) 2024203257 (22) 16.05.2024  
 (54) Mouth-free modulation in reduced and sugar-free beverages using a blend of pectin and xanthan gum  
 (51) Int. Cl.  
 A23F 3/14 ( 2006.01 )  
 A23L 2/44 ( 2006.01 )  
 A23L 2/60 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2018366055  
 (72) BRIJWANI, Khushal; MUTILANGI, William  
 (74) Allens Patent & Trade Mark Attorneys

(71) Planet Protector Packaging Pty Ltd  
 (11) AU-A-2023270238  
 (21) 2023270238 (22) 21.11.2023  
 (54) Insulating bottle sleeve  
 (51) Int. Cl.  
 B65D 81/38 ( 2006.01 )  
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 (43) 06.06.2024  
 (72) Lars LJUNG; Vince O'BRIEN  
 (74) GLMR

(71) Precision Planting LLC  
 (11) AU-A-2024203305  
 (21) 2024203305 (22) 17.05.2024  
 (54) Agricultural operation monitoring apparatus, systems and methods  
 (51) Int. Cl.  
 A01B 79/00 ( 2006.01 )  
 A01C 7/00 ( 2006.01 )  
 A01C 7/08 ( 2006.01 )  
 A01C 7/20 ( 2006.01 )  
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 (62) 2019280998  
 (72) STRNAD, Michael; KOCH, Dale; MORGAN, Matthew  
 (74) Griffith Hack

(71) President and Fellows of Harvard College  
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 (21) 2024203308 (22) 17.05.2024

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**A61K 35/741** ( 2015.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/748** ( 2015.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
 C12R 1/01 ( 2006.01 )  
 (43) 06.06.2024  
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 (72) Scheiman, Jonathan; Church, George M.  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2024203322 (22) 20.05.2024  
 (54) Universal donor stem cells and related methods  
 (51) Int. Cl.  
**C12N 5/0735** ( 2010.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 14/74** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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 (72) Meissner, Torsten B.; Ferreira, Leonardo M. R.; Strominger, Jack L.; Cowan, Chad A.  
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(71) President And Fellows Of Harvard College  
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 (54) ADENOSINE NUCLEOBASE EDITORS AND USES THEREOF  
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 (72) Liu, David R.; Gaudelli, Nicole  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) PROGRESS RAIL SERVICES CORPORATION  
 (11) AU-A-2023254950  
 (21) 2023254950 (22) 25.10.2023  
 (54) MANAGING VEHICLE ENERGY USE BASED ON FUTURE ENERGY DEMAND  
 (51) Int. Cl.  
**B60L 15/20** ( 2006.01 )  
**B61C 3/00** ( 2006.01 )  
**B61C 17/12** ( 2006.01 )  
 (31) 17/993337 (32) 23.11.22 (33) US  
 (43) 06.06.2024  
 (72) AKIF, Sammy; BELTRAMIN, Sidarta Fornari; SEVEL, Evan P.; BRAND, John William  
 (74) FPA Patent Attorneys Pty Ltd

(71) Rain Hail Solutions Pty Ltd  
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 (54) A SYSTEM FOR A ROOF GUTTER  
 (51) Int. Cl.  
**E04D 13/064** ( 2006.01 )  
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**E04D 13/076** ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022200373  
 (72) LAURICELLA, Nick; MARSHALL, Damien  
 (74) Griffith Hack

(71) RE DEPOSIT Solutions GmbH  
 (11) AU-A-2023263564  
 (21) 2023263564 (22) 10.11.2023  
 (54) CLEANING CARTRIDGE FOR A DEPOSIT CONTAINER REDEMPTION DEVICE, DEPOSIT CONTAINER REDEMPTION DEVICE, METHOD FOR CLEANING A DEPOSIT CONTAINER REDEMPTION DEVICE, AND COMPUTER-READABLE MEDIUM WITH INSTRUCTIONS FOR A DEPOSIT CONTAINER REDEMPTION DEVICE  
 (51) Int. Cl.  
**B08B 3/00** ( 2006.01 )  
 (31) 22209022.7 (32) 23.11.22 (33) EP  
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 (72) Stephan Springsguth; Christoph Steiner; Felix Heise; Dirk Benz  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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Roberts, K. see Webber, G.  
 (21) 2023270231

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**A45C 13/02** ( 2006.01 )  
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 (72) Wilbrecht SIAU; Natascha PEERS; Michaël COLSON  
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 (74) FB Rice Pty Ltd

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 (54) Automotive privacy screen  
 (51) Int. Cl.  
**B60J 11/06** ( 2006.01 )  
**B60J 9/00** ( 2006.01 )  
**B60R 11/00** ( 2006.01 )  
**E04H 15/06** ( 2006.01 )  
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 (43) 06.06.2024  
 (72) Carolyn Anne SCHULER  
 (74) Spruson & Ferguson

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 (11) AU-A-2022271501  
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 (54) SOLAR POWER GENERATING SYSTEM  
 (51) Int. Cl.  
**H02S 40/10** ( 2014.01 )  
**B08B 3/00** ( 2006.01 )  
**F24S 40/20** ( 2018.01 )  
**H02S 40/40** ( 2014.01 )  
 (43) 06.06.2024  
 (72) CHANG, Lin-Hung  
 (74) Patent Attorney Services

(71) Secret Stash Pty Ltd  
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 (54) Storage system  
 (51) Int. Cl.  
**A47B 73/00** ( 2006.01 )  
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 (31) 2022903485 (32) 18.11.22 (33) AU  
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 (74) FPA Patent Attorneys Pty Ltd

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**H04W 72/04** ( 2023.01 )  
**H04W 8/22** ( 2009.01 )  
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(54) A modular automated retail store and system  
(51) Int. Cl.  
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(74) BOSH IP Pty Ltd
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(51) Int. Cl.  
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(54) Compounds  
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A61K 38/12 ( 2006.01 )  
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(74) FB Rice Pty Ltd
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(54) Golf putter grip  
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A63B 53/14 ( 2015.01 )  
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(74) Davies Collison Cave Pty Ltd
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(54) Spreader assembly  
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E01C 19/12 ( 2006.01 )  
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E01C 19/45 ( 2006.01 )
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B60P 1/56 ( 2006.01 )  
E01C 19/20 ( 2006.01 )  
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(72) Craig Steven Pinson  
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G01R 31/58 ( 2020.01 )  
G01R 31/08 ( 2020.01 )  
G01R 31/302 ( 2006.01 )  
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(11) AU-A-2024203340  
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(54) SYSTEMS FOR ASSISTING SURGERY  
(51) Int. Cl.  
A61B 34/20 ( 2016.01 )  
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G09B 23/28 ( 2006.01 )  
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(51) Int. Cl.  
H02M 7/00 ( 2006.01 )  
H02J 7/00 ( 2006.01 )  
H02M 1/00 ( 2007.01 )  
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- (54) ELECTROLYTE SOLUTIONS AND ALL-VANADIUM REDOX FLOW BATTERIES  
(51) Int. Cl.  
H01M 8/18 ( 2006.01 )  
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(54) Engineered pesticidal proteins and methods of controlling plant pests  
(51) Int. Cl.  
A01H 5/00 ( 2018.01 )  
A01H 5/10 ( 2018.01 )  
A01N 63/50 ( 2020.01 )  
C07K 14/325 ( 2006.01 )  
C12N 5/10 ( 2006.01 )  
C12N 15/32 ( 2006.01 )  
(43) 06.06.2024  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
A61K 31/155 ( 2006.01 )  
A61K 9/20 ( 2006.01 )  
A61K 47/10 ( 2017.01 )  
A61K 47/26 ( 2006.01 )  
A61K 47/32 ( 2006.01 )  
A61K 47/38 ( 2006.01 )  
A61K 47/59 ( 2017.01 )  
A61P 29/00 ( 2006.01 )  
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(72) CHEN, CHAO-YI; TSAI, CHIH-CHIA  
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(51) Int. Cl.  
C07K 16/40 ( 2006.01 )  
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**D06N 3/00** ( 2006.01 )  
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 (72) LIN, I-Chien  
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 (54) Determining a location to place a base station device used by a robotic garden tool  
 (51) Int. Cl.  
**G01S 19/03** ( 2010.01 )  
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**G01S 19/23** ( 2010.01 )  
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**G05D 1/248** ( 2024.01 )  
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 (54) Method and system for encoding a dataset in a quantum circuit for quantum machine learning  
 (51) Int. Cl.  
**G06N 10/20** ( 2022.01 )  
**G06N 20/00** ( 2019.01 )  
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 (72) Mohammad KORDZANGANEH; Pavel SEKATSKI; Leonid FEDICHKIN; Alexey MELNIKOV  
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**A61K 51/04** ( 2006.01 )  
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**C07H 19/048** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61K 31/706** ( 2006.01 )  
**C07H 1/00** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 31/5395** ( 2006.01 )  
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**C07K 14/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )

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**C12N 1/08** ( 2006.01 )  
**C07H 21/00** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
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 (74) Pizzesi Patent and Trade Mark Attorneys Pty Ltd

(71) Transportation IP Holdings, LLC  
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 (54) SYSTEM AND METHOD FOR CONTROLLED CHARGING OF VEHICLE ENERGY STORAGE DEVICE  
 (51) Int. Cl.  
**B60L 58/13** ( 2019.01 )  
**B60L 5/00** ( 2006.01 )  
**B60L 53/53** ( 2019.01 )  
 (31) 18/492,892 (32) 24.10.23 (33) US  
 63/384,760 22.11.22 US  
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 (72) Henry Todd Young; Jason Daniel Kutenkuler; Jeffrey John Wolff; Daniel Robert Wallace; Rekha Doddarangaiah Prasad  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2024203400  
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 (54) Passivated contact structure and preparation method thereof, and solar cell and preparation method thereof  
 (51) Int. Cl.  
**H01L 31/18** ( 2006.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/04** ( 2014.01 )  
 (31) CN (32) 01.11.23 (33) CN  
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(71) Twist Bioscience Corporation  
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**C40B 30/06** ( 2006.01 )  
**A61K 31/711** ( 2006.01 )

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**C12N 5/10** ( 2006.01 )  
**C12N 15/66** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**C40B 40/08** ( 2006.01 )  
**C40B 50/06** ( 2006.01 )

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(51) Int. Cl.  
**F03B 17/02** ( 2006.01 )  
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(72) TYAGLIN, Denis Valentinovich  
(74) LESICAR MAYNARD ANDREWS PTY LTD

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**UCL Business LTD see Vitaflo International Ltd**  
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(71) University of Central Florida Research Foundation, Inc.; Research Institute at Nationwide Children's Hospital  
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(21) 2024203371 (22) 21.05.2024  
(54) PM21 particles to improve bone marrow homing of NK cells  
(51) Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**A61K 38/20** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )

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(71) University of Georgia Research Foundation, Inc.; University of North Carolina at Chapel Hill

(11) AU-A-2024203271  
(21) 2024203271 (22) 16.05.2024  
(54) Functionally modified maytansinoids and compositions and methods of use thereof  
(51) Int. Cl.  
**A61K 31/33** ( 2006.01 )  
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**A61K 47/50** ( 2017.01 )  
**C07D 401/00** ( 2006.01 )  
**C07D 405/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )

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(72) XIE, Jin; KUMAR, Anil; LI, Zibo  
(74) FPA Patent Attorneys Pty Ltd

(71) University of Maryland, Baltimore  
(11) AU-A-2024203398  
(21) 2024203398 (22) 22.05.2024  
(54) Non-ATP/catalytic site p38 mitogen-activated protein kinase inhibitors  
(51) Int. Cl.  
**A61K 31/44** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
(43) 06.06.2024  
(62) 2022263608  
(72) SHAPIRO, Paul S.; MACKERELL Jr., Alexander D.; HASDAY, Jeffrey D.; FLETCHER, Steven  
(74) Minter Ellison

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**University of North Carolina at Chapel Hill see University of Georgia Research Foundation, Inc.**  
(21) 2024203271

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(71) Valqari Holdings, LLC  
(11) AU-A-2024203329  
(21) 2024203329 (22) 20.05.2024  
(54) Mailbox assembly  
(51) Int. Cl.  
**A47G 29/14** ( 2006.01 )  
**B64C 39/02** ( 2023.01 )  
**B64F 1/04** ( 2006.01 )  
**B64F 1/32** ( 2006.01 )  
**E06B 7/28** ( 2006.01 )  
**G06Q 10/10** ( 2023.01 )  
**G06Q 50/28** ( 2012.01 )

(43) 06.06.2024  
(62) 2018269516  
(72) WALSH, Ryan; FALESCH, Alexander J.  
(74) Spruson & Ferguson

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(71) Viax Dental Technologies LLC  
(11) AU-A-2024203376  
(21) 2024203376 (22) 21.05.2024  
(54) SYSTEM FOR PREPARING TEETH FOR THE PLACEMENT OF VENEERS  
(51) Int. Cl.  
**A61C 1/08** ( 2006.01 )  
**A61C 13/01** ( 2006.01 )

(43) 06.06.2024  
(62) 2018235962  
(72) Fares, Mohamed; Tahmasebi, Cyrus  
(74) PHILLIPS ORMONDE FITZPATRICK

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(71) Vitaflo International Ltd; UCL Business LTD  
(11) AU-A-2024202292  
(21) 2024202292 (22) 10.04.2024  
(54) Composition for use in the treatment of epilepsy  
(51) Int. Cl.  
**A61K 31/20** ( 2006.01 )  
**A23L 33/12** ( 2016.01 )

(43) 06.06.2024  
(62) 2018250864  
(72) EATON, Simon; HEALES, Simon; KHABBUSH, Aziza; ODonnell, Maura Louise; RUTHERFORD, Patri-

cia; WALKER, Matthew; WILLIAMS, Robin Simon Brooke  
(74) Spruson & Ferguson

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(71) Volvo Autonomous Solutions AB  
(11) AU-A-2023254996  
(21) 2023254996 (22) 26.10.2023  
(54) Path selection for a vehicle based on heat distributed on a road surface  
(51) Int. Cl.  
**G01C 21/28** ( 2006.01 )  
**B60W 30/10** ( 2006.01 )  
**B60W 40/06** ( 2012.01 )  
**B60W 60/00** ( 2020.01 )  
**G01C 21/34** ( 2006.01 )  
**G01J 5/00** ( 2022.01 )  
**G05D 1/43** ( 2024.01 )  
(31) 22208510.2 (32) 21.11.22 (33) EP  
(43) 06.06.2024  
(72) SANDBLOM, Fredrik; HAGVALL, Linus; BERGQUIST, Stefan  
(74) Griffith Hack

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(71) VOLVO AUTONOMOUS SOLUTIONS AB  
(11) AU-A-2023254939  
(21) 2023254939 (22) 25.10.2023  
(54) A platform-independent unified model for simulating a road vehicle  
(51) Int. Cl.  
**G05B 17/02** ( 2006.01 )  
**G05B 13/04** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**H04L 12/40** ( 2006.01 )  
(31) 22208080.6 (32) 17.11.22 (33) EP  
(43) 06.06.2024  
(72) NILSSON, Peter; DRENTH, Edo; JÖRLÉN, Teo; TIBERI, Ubaldo; TAKKOUSH, Mohamed  
(74) Griffith Hack

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(71) VueMotion Labs Pty Ltd  
(11) AU-A-2024203009  
(21) 2024203009 (22) 07.05.2024  
(54) Systems and methods for generating a motion performance metric  
(51) Int. Cl.  
**A63B 24/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**G06V 40/20** ( 2022.01 )

(43) 06.06.2024  
(62) 2022361502  
(72) Gupta, Amit; Klineberg, David; Talbot, Ryan  
(74) FPA Patent Attorneys Pty Ltd

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(71) VusionGroup GmbH  
(11) AU-A-2024203285  
(21) 2024203285 (22) 17.05.2024  
(54) ELECTRONIC SHELF LABEL AND SHELF ILLUMINATION DEVICES  
(51) Int. Cl.  
**G06F 3/147** ( 2006.01 )  
**A47F 11/10** ( 2006.01 )  
**G09F 3/20** ( 2006.01 )

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**(43)** 06.06.2024  
**(62)** 2019419905  
**(72)** OOSTHOEK, Jan; JAUCK, Philipp  
**(74)** Collison & Co

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**(71)** W. L. Gore & Associates, Inc.  
**(11)** AU-A-2024203344  
**(21)** 2024203344 **(22)** 20.05.2024  
**(54)** Epithelializing microporous biomaterial for use in avascular environments and in corneal implants  
**(51)** Int. Cl.  
**A61L 27/16** ( 2006.01 )  
**A61L 27/34** ( 2006.01 )  
**A61L 27/56** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 202224781  
**(72)** SINGH, Anuraag; SCHMIEDEL, Thomas B.; BALAJI, Gopalan V.; FISCHER, Paul J.  
**(74)** Griffith Hack

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**(71)** Watgrid, Lda.  
**(11)** AU-A-2024203388  
**(21)** 2024203388 **(22)** 22.05.2024  
**(54)** LEVEL AND/OR DENSITY SENSOR DEVICE FOR LIQUID RECEPTACLES  
**(51)** Int. Cl.  
**G01F 23/14** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
**G01F 23/18** ( 2006.01 )  
**G01N 9/26** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2022203783  
**(72)** PATRÍCIO DOMINGUES GONÇALVES, Fábio; BOTAS BILRO, Lúcia Maria; NUNES NOGUEIRA, Rogério  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(71)** Weatherford Technology Holdings, LLC  
**(11)** AU-A-2024203272  
**(21)** 2024203272 **(22)** 16.05.2024  
**(54)** A Running Tool For A Liner String  
**(51)** Int. Cl.  
**E21B 23/04** ( 2006.01 )  
**E21B 33/04** ( 2006.01 )  
**E21B 33/12** ( 2006.01 )  
**E21B 34/10** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2021246951  
**(72)** TURLEY, Rocky A.; MURRAY, Mark J.; LUKE, Mike A.  
**(74)** WRAYS PTY LTD

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**Webber, H. see Webber, G.**  
**(21)** 2023270231

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**(71)** Webber, G.; Webber, H.; Roberts, K.  
**(11)** AU-A-2023270231  
**(21)** 2023270231 **(22)** 21.11.2023  
**(54)** Portable Livestock Enclosure, Method of Corraling Livestock and Method of Performing a Procedure on Livestock  
**(51)** Int. Cl.

**A01K 1/00** ( 2006.01 )  
**A01K 1/08** ( 2006.01 )  
**B60P 3/04** ( 2006.01 )  
**(31)** 794706 **(32)** 21.11.22 **(33)** NZ  
**(43)** 06.06.2024  
**(72)** Glen Webber; Karl Roberts  
**(74)** James & Wells Intellectual Property

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**(71)** Whirlpool Corporation  
**(11)** AU-A-2023237118  
**(21)** 2023237118 **(22)** 28.09.2023  
**(54)** REMOVABLE BEAN HOPPER ASSEMBLY  
**(51)** Int. Cl.  
**A47J 31/42** ( 2006.01 )  
**A47J 42/50** ( 2006.01 )  
**(31)** 18/057,839 **(32)** 22.11.22 **(33)** US  
**(43)** 06.06.2024  
**(72)** Müller, Martin Andreas; Riessbeck, Wolfgang; Bressanin Weber, Fabiana Nunes; Yesil, Saadettin  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(71)** Whirlpool Corporation  
**(11)** AU-A-2023270258  
**(21)** 2023270258 **(22)** 22.11.2023  
**(54)** Analog dynamic triac firing circuit  
**(51)** Int. Cl.  
**H02P 6/14** ( 2016.01 )  
**H02M 1/00** ( 2007.01 )  
**H05B 6/64** ( 2006.01 )  
**H05B 45/37** ( 2020.01 )  
**(31)** 17/993117 **(32)** 23.11.22 **(33)** US  
**(43)** 06.06.2024  
**(72)** Mark C. Schmidt  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** WIDES LIMITED  
**(11)** AU-A-2024203315  
**(21)** 2024203315 **(22)** 18.05.2024  
**(54)** ADVERTISEMENT INFORMATION SHARING SYSTEM  
**(51)** Int. Cl.  
**G06Q 30/02** ( 2023.01 )  
**(43)** 06.06.2024  
**(62)** 2022201734  
**(72)** NISHIO, Tatsuya; KAMO, Masaaki; ADACHI, Kazuyuki; SUDO, Takeshi; NAKANO, Norikazu  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.  
**(11)** AU-A-2024203283  
**(21)** 2024203283 **(22)** 17.05.2024  
**(54)** Method and device for processing video signal by using adaptive color space transform  
**(51)** Int. Cl.  
**H04N 19/60** ( 2014.01 )  
**H04N 9/67** ( 2023.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/124** ( 2014.01 )  
**H04N 19/137** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**H04N 19/186** ( 2014.01 )

**H04N 19/61** ( 2014.01 )  
**H04N 19/625** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 06.06.2024  
**(62)** 2020391549  
**(72)** JUNG, Jaehong; SON, Juhung; KIM, Dongcheol; KO, Geonjung; KWAK, Jinsam  
**(74)** AJ PARK

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**(71)** Wing Aviation LLC  
**(11)** AU-A-2024203331  
**(21)** 2024203331 **(22)** 20.05.2024  
**(54)** Systems and methods for autonomous airworthiness pre-flight checks for UAVs  
**(51)** Int. Cl.  
**B64F 5/60** ( 2017.01 )  
**B64C 39/02** ( 2023.01 )  
**(43)** 06.06.2024  
**(62)** 2021397333  
**(72)** JONES, Brandon; JENKINS, Kevin; JOURDAN, Damien; PRAGER, André  
**(74)** Spruson & Ferguson

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**(71)** Wing Aviation LLC  
**(11)** AU-A-2024203336  
**(21)** 2024203336 **(22)** 20.05.2024  
**(54)** Systems and methods for battery capacity management in a fleet of UAVs  
**(51)** Int. Cl.  
**B60L 58/13** ( 2019.01 )  
**B60L 3/00** ( 2019.01 )  
**B60L 58/16** ( 2019.01 )  
**B64C 39/02** ( 2023.01 )  
**(43)** 06.06.2024  
**(62)** 2021369576  
**(72)** NUBBE, Matthew  
**(74)** Spruson & Ferguson

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**(71)** Wonderland Switzerland AG  
**(11)** AU-A-2023266372  
**(21)** 2023266372 **(22)** 17.11.2023  
**(54)** DINNER TRAY, DINNER TRAY HOLDER AND CHILD CARRIER  
**(51)** Int. Cl.  
**B62B 9/26** ( 2006.01 )  
**A47D 15/00** ( 2006.01 )  
**B62B 9/24** ( 2006.01 )  
**(31)** 202310264980.5 **(32)** 17.03.23 **(33)** CN  
 202211450979.3 18.11.22 CN  
**(43)** 06.06.2024  
**(72)** Mingxing Sun; Hongtao Yin  
**(74)** James & Wells Intellectual Property

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**(71)** Wonderland Switzerland AG  
**(11)** AU-A-2024203215  
**(21)** 2024203215 **(22)** 15.05.2024  
**(54)** Wheeled carrying apparatus  
**(51)** Int. Cl.  
**B62B 9/08** ( 2006.01 )  
**(43)** 06.06.2024  
**(62)** 2020293582  
**(72)** ZHENG, Leilei; GUO, Zheng-Wen; WANG, Er Xue; SUN, Mingxing; HU, Shoufeng; ZHU, Wanquan  
**(74)** Allens Patent & Trade Mark Attorneys

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(71) Wonderland Switzerland AG  
 (11) AU-A-2024203243  
 (21) 2024203243 (22) 15.05.2024  
 (54) Magnetic buckle assembly  
 (51) Int. Cl.  
     A47D 15/00 ( 2006.01 )  
     A47D 13/02 ( 2006.01 )  
     B60N 2/26 ( 2006.01 )  
     B60R 22/18 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2022231784  
 (72) Cheng, Manqun  
 (74) Griffith Hack

(71) Wonderland Switzerland AG  
 (11) AU-A-2024203352  
 (21) 2024203352 (22) 21.05.2024  
 (54) Swing apparatus with magnetic drive and control  
 (51) Int. Cl.  
     A47D 9/02 ( 2006.01 )  
     A47D 13/10 ( 2006.01 )  
     A47D 15/00 ( 2006.01 )  
     A63G 9/04 ( 2006.01 )  
     H02K 5/00 ( 2006.01 )  
 (43) 06.06.2024  
 (62) 2021242358  
 (72) MOUNTZ, Jonathan K.; SNYDER, Ethan M.  
 (74) Spruson & Ferguson

(71) XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.  
 (11) AU-A-2022447730  
 (21) 2022447730 (22) 22.12.2022  
 (54) ENERGY STORAGE DEVICE  
 (51) Int. Cl.  
     H01M 10/613 ( 2014.01 )  
 (31) 202211438939.7 (32) 17.11.22 (33) CN  
 (43) 06.06.2024  
 (72) HUO, Qiqi  
 (74) Madderns Pty Ltd

(71) Yako Electrics  
 (11) AU-A-2023202127  
 (21) 2023202127 (22) 06.04.2023  
 (54) Electrical wall plate with inbuilt charging cable  
 (51) Int. Cl.  
     H02G 11/02 ( 2006.01 )  
     H01R 13/72 ( 2006.01 )  
     H01R 24/76 ( 2011.01 )  
     H02G 3/10 ( 2006.01 )  
     H02J 7/02 ( 2016.01 )  
     H01R 13/66 ( 2006.01 )  
     H01R 24/20 ( 2011.01 )  
     H01R 24/68 ( 2011.01 )  
     H02J 7/00 ( 2006.01 )  
 (31) 2022903542 (32) 22.11.22 (33) AU  
 (43) 06.06.2024  
 (72) Abdulkader, Zahra  
 (74) Yako Electrics

(71) Yanmar Compact Equipment North America, Inc.  
 (11) AU-A-2023266259  
 (21) 2023266259 (22) 14.11.2023

(54) Torsion axle suspension system apparatus and method  
 (51) Int. Cl.  
     B60G 7/02 ( 2006.01 )  
 (31) 18/057115 (32) 18.11.22 (33) US  
 (43) 06.06.2024  
 (72) Alex Potter; William Allan Wake; Cary Safe; Daniel K. Gilbert  
 (74) FPA Patent Attorneys Pty Ltd

(71) YEOH LIM, K.C.  
 (11) AU-A-2024200238  
 (21) 2024200238 (22) 01.02.2024  
 (54) All Seeing Eyes Housing System  
 (51) Int. Cl.  
     H04N 7/18 ( 2006.01 )  
     G02B 7/04 ( 2021.01 )  
     G05B 15/02 ( 2006.01 )  
     G05B 19/042 ( 2006.01 )  
     H04N 17/00 ( 2006.01 )  
     G06V 20/17 ( 2022.01 )  
     G06V 20/52 ( 2022.01 )  
     G06V 20/58 ( 2022.01 )  
     G06V 40/16 ( 2022.01 )  
     H04N 23/698 ( 2023.01 )  
 (43) 06.06.2024  
 (62) 2022200797  
 (72) YEOH LIM, Kelvin Chin  
 (74) Kelvin Chin Yeoh Lim

(71) ZENDIT PTY LTD  
 (11) AU-A-2024203147  
 (21) 2024203147 (22) 13.05.2024  
 (54) An improved method of installing large structures such as wind turbines  
 (51) Int. Cl.  
     F03D 13/10 ( 2016.01 )  
     F03D 13/20 ( 2016.01 )  
 (43) 06.06.2024  
 (62) 2023251536  
 (72) CROSSAN, Matthew  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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| 2024203299 | Haynes International, Inc.; ICL-IP America Inc.                                                               |
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| 2024203302 | Assa Abloy AB                                                                                                 |
| 2024203303 | Allen, T.                                                                                                     |
| 2024203304 | Huawei Technologies Co., Ltd.                                                                                 |
| 2024203305 | Precision Planting LLC                                                                                        |
| 2024203306 | Dyno Nobel Inc.                                                                                               |
| 2024203308 | President and Fellows of Harvard College                                                                      |
| 2024203309 | Apple Inc.                                                                                                    |
| 2024203311 | KANGATECH PTY LTD                                                                                             |
| 2024203312 | Lexmark International, Inc.                                                                                   |
| 2024203314 | Exactech, Inc                                                                                                 |
| 2024203315 | WIDES LIMITED                                                                                                 |
| 2024203317 | LG ELECTRONICS INC.                                                                                           |
| 2024203318 | Becton, Dickinson and Company                                                                                 |
| 2024203319 | Boston Scientific Neuromodulation Corporation                                                                 |
| 2024203320 | Lightcast Discovery Ltd                                                                                       |
| 2024203322 | President and Fellows of Harvard College                                                                      |
| 2024203324 | Allan, O.                                                                                                     |
| 2024203325 | Apple Inc.                                                                                                    |
| 2024203326 | L/N Health and Beauty ApS                                                                                     |
| 2024203327 | Hollister Incorporated                                                                                        |
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| 2024203332 | Nextracker LLC                                                                                                |
| 2024203336 | Wing Aviation LLC                                                                                             |
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| <b>C01G 45 /-</b><br>2024203280                                          | <b>C07K 14 /-</b><br>2022438471<br>2024203142<br>2024203144<br>2024203178<br>2024203210 | <b>C23C 2 /-</b><br>2023266395                                                                                                                  | <b>E21B 33 /-</b><br>2024203272               | <b>G01F 23 /-</b><br>2023233179<br>2024203388               | <b>G06F 21 /-</b><br>2023266343<br>2024203309              |
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| 2023270207        | <b>G06T 17 /-</b> | <b>G16H 15 /-</b> | <b>H02M 7 /-</b>  | <b>No IPC Mark</b> |
| 2024203238        | 2023226756        | 2023266365        | 2023258431        |                    |
| 2024203239        | 2024203263        |                   |                   |                    |
| 2024203285        |                   | <b>G16H 50 /-</b> | <b>H02P 6 /-</b>  |                    |
| 2024203309        | <b>G06T 19 /-</b> | 2023266365        | 2023270258        |                    |
| 2024203325        | 2023226756        |                   |                   |                    |
| 2024203393        |                   | <b>G16H 80 /-</b> | <b>H02S 20 /-</b> |                    |
|                   | <b>G06T 5 /-</b>  | 2023266365        | 2024202062        |                    |
| <b>G06F 40 /-</b> | 2023233182        |                   | 2024203252        |                    |
| 2023266365        | 2023233192        | <b>G21G 4 /-</b>  | 2024203332        |                    |
| 2024203337        |                   | 2024203217        |                   |                    |
|                   | <b>G06T 7 /-</b>  | 2024203219        | <b>H02S 30 /-</b> |                    |
| <b>G06F 9 /-</b>  | 2023226756        |                   | 2024202062        |                    |
| 2024203312        | 2023233192        | <b>H01F 13 /-</b> | 2024203332        |                    |
|                   | 2023270203        | 2023266395        |                   |                    |
|                   | 2023270204        |                   | <b>H02S 40 /-</b> |                    |
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| 2023258314        | 2023270207        | 2023266395        |                   |                    |
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| <b>G06N 20 /-</b> | <b>G06V 10 /-</b> | <b>H01F 27 /-</b> | 2023254939        |                    |
| 2023258314        | 2023233197        | 2023266395        | 2024203239        |                    |
| 2023270203        | 2023270203        |                   |                   |                    |
| 2024203233        | 2023270204        | <b>H01L 21 /-</b> | <b>H04L 67 /-</b> |                    |
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|                   | 2023270207        |                   |                   |                    |
| <b>G06N 3 /-</b>  | 2023270207        | <b>H01L 29 /-</b> | <b>H04L 9 /-</b>  |                    |
| 2023233182        |                   | 2023270247        | 2023266343        |                    |
| 2023233192        | <b>G06V 20 /-</b> |                   |                   |                    |
| 2023233197        | 2023270204        | <b>H01L 31 /-</b> | <b>H04M 3 /-</b>  |                    |
| 2023270203        | 2023270207        | 2023270247        | 2024203325        |                    |
| 2023270204        | 2024200238        | 2024202062        |                   |                    |
| 2023270205        |                   | 2024203400        | <b>H04N 17 /-</b> |                    |
| 2023270207        | <b>G06V 40 /-</b> |                   | 2024200238        |                    |
| 2024203233        | 2024200238        | <b>H01M 10 /-</b> |                   |                    |
| 2024203259        | 2024203009        | 2022447730        | <b>H04N 19 /-</b> |                    |
|                   |                   |                   | 2024203220        |                    |
| <b>G06N 5 /-</b>  | <b>G07B 15 /-</b> | <b>H01M 8 /-</b>  | 2024203283        |                    |
| 2023263515        | 2023266378        | 2023308724        |                   |                    |
| 2023266365        |                   |                   | <b>H04N 23 /-</b> |                    |
| 2024203218        | <b>G07C 9 /-</b>  | <b>H01R 11 /-</b> | 2024200238        |                    |
|                   | 2023216762        | 2023203155        |                   |                    |
| <b>G06Q 10 /-</b> | 2024203302        |                   | <b>H04N 7 /-</b>  |                    |
| 2023263515        |                   | <b>H01R 13 /-</b> | 2024200238        |                    |
| 2024203303        | <b>G07F 17 /-</b> | 2023200832        | 2024203325        |                    |
| 2024203329        | 2022256148        | 2023202127        |                   |                    |
| 2024203343        | 2023254958        | 2023203155        | <b>H04N 9 /-</b>  |                    |
|                   | 2023254959        |                   | 2024203283        |                    |
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| 2023254958        | 2023263477        | 2023202127        | 2024203304        |                    |
| 2023254959        |                   |                   |                   |                    |
| 2023254960        | <b>G08B 25 /-</b> | <b>H02G 11 /-</b> | <b>H04W 4 /-</b>  |                    |
|                   | 2023263477        | 2023202127        | 2023263477        |                    |
| <b>G06Q 30 /-</b> |                   | <b>H02G 3 /-</b>  | <b>H04W 48 /-</b> |                    |
| 2023201169        | <b>G08G 1 /-</b>  | 2023202127        | 2024203304        |                    |
| 2023263515        | 2023266378        |                   |                   |                    |
| 2024203218        |                   | <b>H02H 3 /-</b>  | <b>H04W 72 /-</b> |                    |
| 2024203315        | <b>G09B 23 /-</b> | 2023206146        | 2023200530        |                    |
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| <b>G06Q 40 /-</b> | <b>G09F 3 /-</b>  | <b>H02J 3 /-</b>  |                   |                    |
| 2024203294        | 2024203285        | 2023263515        | <b>H04W 76 /-</b> |                    |
|                   |                   |                   | 2023263477        |                    |
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| 2023251447        |                   | 2023203155        |                   |                    |
| 2023254960        | <b>G16B 30 /-</b> | 2023258431        | <b>H05B 45 /-</b> |                    |
| 2023263515        | 2024203301        |                   | 2023270258        |                    |
| 2023266378        |                   | <b>H02K 5 /-</b>  |                   |                    |
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|                   | 2024203301        |                   | 2023270258        |                    |
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| 2023233197        | 2023266365        | 2023258431        |                   |                    |
| 2023270203        |                   | 2023270258        |                   |                    |

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Name Index

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 (11) AU-A-2022401529  
 (21) 2022401529 (22) 29.11.2022  
 (54) MONITORING SCHEME AND METHOD OF CORROSION AND FOULING REDUCTION FOR SCWO SYSTEM  
 (51) Int. Cl.  
     C02F 11/08 ( 2006.01 )  
     C02F 1/72 ( 2023.01 )  
     C02F 11/18 ( 2006.01 )  
 (87) WO2023/101984  
 (31) 63/284,470 (32) 30.11.21 (33) US  
                 63/284,474 30.11.21 US  
 (43) 08.06.2023  
 (72) NAGAR, Yaacov; BALLENGHIEN, David; DESHUSSES, Marc; HARIF, Hamutal  
 (74) Argon IP Advisory Pty Ltd

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(71) 374WATER INC.  
 (11) AU-A-2022402830  
 (21) 2022402830 (22) 29.11.2022  
 (54) APPLYING CHEMICAL OXYGEN DEMAND AND HEATING VALUE DIAGNOSTICS TO ENHANCE PERFORMANCE OF A SCWO PROCESS  
 (51) Int. Cl.  
     C02F 11/08 ( 2006.01 )  
     C02F 1/72 ( 2023.01 )  
     C02F 11/18 ( 2006.01 )  
 (87) WO2023/101977  
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 (43) 08.06.2023  
 (72) NAGAR, Yaacov; BALLENGHIEN, David; DESHUSSES, Marc  
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(71) ABIOMED EUROPE GMBH  
 (11) AU-A-2022404703  
 (21) 2022404703 (22) 08.12.2022  
 (54) EQUIPMENT FOR AND METHOD OF FIXING A MEDICAL DEVICE TO A PATIENT  
 (51) Int. Cl.  
     A61M 60/13 ( 2021.01 )  
     A61M 25/02 ( 2006.01 )  
     A61M 39/02 ( 2006.01 )  
     A61M 60/216 ( 2021.01 )  
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 (72) NIX, Christoph; RODRIGUES BRIMMERS, Cristine; SCHIBILSKY, David  
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 (11) AU-A-2022409413

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 (54) PROBE FOR DETECTING AN OPENING SIZE OF AN OPENING IN A BLOOD VESSEL  
 (51) Int. Cl.  
     A61B 5/00 ( 2006.01 )  
     A61B 5/02 ( 2006.01 )  
     A61B 5/107 ( 2006.01 )  
     A61M 25/00 ( 2006.01 )  
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 (72) MOURRAN, Claudia; SIESS, Thorsten  
 (74) Davies Collison Cave Pty Ltd

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(71) ACUITY SURGICAL DEVICES LLC  
 (11) AU-A-2022393170  
 (21) 2022393170 (22) 10.11.2022  
 (54) METHOD AND APPARATUS FOR REDUCING HUMAN VERTEBRAL BODY SUBSIDENCE USING VARIABLE SURFACE AREA INTERBODY CAGES CORRELATED TO LOCALIZED BONE DENSITY MEASUREMENTS  
 (51) Int. Cl.  
     A61F 2/44 ( 2006.01 )  
     A61B 34/10 ( 2016.01 )  
     A61F 2/30 ( 2006.01 )  
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 (72) DAVIDSON, John, R.; COWAN, Bryan, M.; FORTON, Charles, R.; VALDEVIT, Anthonio, D.  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2022396536  
 (21) 2022396536 (22) 23.11.2022  
 (54) COMPLEMENT FACTOR B-MODULATING COMPOSITIONS AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
     C12N 15/11 ( 2006.01 )  
     A61K 31/713 ( 2006.01 )  
     C12N 15/113 ( 2010.01 )  
     C07H 19/167 ( 2006.01 )  
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     C07H 21/04 ( 2006.01 )  
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 (11) AU-A-2022380909  
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 (54) DRUG CONJUGATES AND METHODS OF PREPARING AND USING THE SAME  
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     A61K 31/4427 ( 2006.01 )  
     A61K 31/44 ( 2006.01 )  
     A61K 31/505 ( 2006.01 )  
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     C07D 213/04 ( 2006.01 )  
     C07D 253/02 ( 2006.01 )  
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(71) ADVANCE ZINCTEK LIMITED  
 (11) AU-A-2022390228  
 (21) 2022390228 (22) 16.11.2022  
 (54) ZINC OXIDE AND ALUMINIUM OXIDE CONTAINING MATERIALS  
 (51) Int. Cl.  
     A61K 8/26 ( 2006.01 )  
     A61K 8/27 ( 2006.01 )  
     A61Q 17/04 ( 2006.01 )  
     C01F 7/441 ( 2022.01 )  
     C01G 9/02 ( 2006.01 )  
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 (72) MIZIKOVSKY, Lev  
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 (21) 2022398473 (22) 23.11.2022  
 (54) CONTROL SYSTEM OF AN UNFINNED LIGHTER THAN AIR PLATFORM AND METHOD FOR SAME  
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     B64B 1/32 ( 2006.01 )  
     B64B 1/44 ( 2006.01 )  
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     G05D 1/00 ( 2006.01 )  
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(71) AIKIDO TECHNOLOGIES, INC.  
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 (21) 2022431028 (22) 22.12.2022  
 (54) ROLLING BEARING ASSEMBLY  
 (51) Int. Cl.  
*F16C 23/08* (2006.01)  
*C21C 5/50* (2006.01)  
*F16C 19/28* (2006.01)  
*F16C 19/52* (2006.01)  
*F16C 33/36* (2006.01)  
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*F16C 41/00* (2006.01)  
*F16J 15/447* (2006.01)  
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 (54) METHOD FOR PRODUCING AN ANTI-BODY PEPTIDE CONJUGATE  
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- (71) ANDARIAS GARCÍA, J.V.  
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 (54) DEVICE FOR ATTACHING PLANTS TO THE BOTTOM OF A BODY OF WATER  
 (51) Int. Cl.  
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*A01C 1/04* (2006.01)  
*A01G 9/02* (2018.01)  
*A01G 9/12* (2006.01)  
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 (54) METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE  
 (51) Int. Cl.  
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*B05D 5/06* (2006.01)  
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 (11) AU-A-2022405648  
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*B05D 7/06* (2006.01)  
*C08G 63/00* (2006.01)  
*C09D 5/14* (2006.01)  
 (87) WO2023/104775  
 (31) 21212937.3 (32) 07.12.21 (33) EP  
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*A61B 1/00* (2006.01)  
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**E04B 1/24** ( 2006.01 )  
**E04C 3/00** ( 2006.01 )  
**E04C 3/04** ( 2006.01 )  
**E04C 3/06** ( 2006.01 )  
**E04C 3/29** ( 2006.01 )  
**E04G 5/04** ( 2006.01 )  
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*C25B 1/04* (2021.01)  
*C25B 1/55* (2021.01)  
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*H01L 31/0216* (2014.01)  
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 (54) METHODS OF TREATING ASTHMA WITH ANTI-LIGHT ANTIBODIES  
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*A61P 11/06* (2006.01)  
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*C08K 5/053* (2006.01)  
*C08L 29/04* (2006.01)  
*C08L 71/02* (2006.01)  
*C08L 1/28* (2006.01)  
*C08L 5/02* (2006.01)  
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*G01N 33/68* (2006.01)  
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*B63B 3/08* (2006.01)  
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 (54) PRESSURE COMPENSATOR, METHOD FOR PRESSURE COMPENSATION, AND SYSTEM  
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 (51) Int. Cl.



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**C07C 67/08** ( 2006.01 )  
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**A01C 7/20** ( 2006.01 )
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(74) Michael Buck IP
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**A61F 2/24** ( 2006.01 )  
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**A61K 31/437** ( 2006.01 )  
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**A61P 27/02** ( 2006.01 )  
**C07D 401/06** ( 2006.01 )  
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**A61F 9/008** ( 2006.01 )  
**A61B 3/14** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )
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**G06Q 40/08** ( 2012.01 )  
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**G09F 9/00** ( 2006.01 )  
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**H05K 7/12** ( 2006.01 )  
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**E02F 3/36** ( 2006.01 )  
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**B60L 53/62** ( 2019.01 )  
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**B60L 53/30** ( 2019.01 )  
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**F15B 11/04** ( 2006.01 )  
**E21D 23/16** ( 2006.01 )  
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**A61K 35/28** ( 2015.01 )  
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**A61P 17/02** ( 2006.01 )  
**C07K 14/535** ( 2006.01 )  
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**C01B 17/74** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**C01B 17/69** ( 2006.01 )  
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**D21H 17/06** ( 2006.01 )  
**C07H 13/06** ( 2006.01 )  
**D21H 17/16** ( 2006.01 )  
**D21H 17/24** ( 2006.01 )  
**D21H 19/00** ( 2006.01 )  
**D21H 21/16** ( 2006.01 )  
**D21H 27/10** ( 2006.01 )  
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**A61B 34/20** ( 2016.01 )  
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**G06T 19/20** ( 2011.01 )  
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**A61L 27/14** ( 2006.01 )  
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**A61L 27/52** ( 2006.01 )  
**B29C 64/124** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 70/00** ( 2020.01 )  
**B33Y 80/00** ( 2015.01 )  
**B29K 105/00** ( 2006.01 )  
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 (31) 63/272,313 (32) 27.10.21 (33) US  
 (43) 04.05.2023  
 (72) MASHIACH, Roi  
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(71) COMMISSARIAT A L'ENERGIE ATOMATIQUE ET AUX ENERGIES ALTERNATIVES; COLAS  
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 (21) 2022391140 (22) 21.11.2022  
 (54) FUNCTIONAL DEVICE WITH DIRECT ELECTRICAL OUTPUTS AND PROCESS FOR FABRICATING SUCH A FUNCTIONAL DEVICE  
 (51) Int. Cl.  
**H01L 31/02** ( 2006.01 )  
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 (21) 2022413160 (22) 05.12.2022  
 (54) OPTIMIZED ARCHITECTURE OF A CIVIL ENGINEERING TYRE  
 (51) Int. Cl.  
**B60C 9/18** ( 2006.01 )  
**B60C 1/00** ( 2006.01 )

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**(74)** Griffith Hack
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**(21)** 2022396223 **(22)** 22.11.2022  
**(54)** APPARATUSES, SYSTEMS, AND METHODS FOR BIOMARKER COLLECTION, BI-DIRECTIONAL PATIENT COMMUNICATION AND LONGITUDINAL PATIENT FOLLOW-UP  
**(51)** Int. Cl.  
**G16H 15/00** ( 2018.01 )  
**A61B 5/00** ( 2006.01 )  
**G16H 20/30** ( 2018.01 )  
**G16H 20/70** ( 2018.01 )  
**G16H 40/63** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
**(87)** WO2023/096914  
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**(43)** 01.06.2023  
**(72)** BIRK, Jacob; DOUGHERTY, Robert F.; LYE, Kwan; JIANG, Yuchen; AL-ALAMI, Dina; RYSLIK, Gregory A.  
**(74)** Collison & Co
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**(54)** APPARATUSES, SYSTEMS, AND METHODS FOR A REAL TIME BIOADAPTIVE STIMULUS ENVIRONMENT  
**(51)** Int. Cl.  
**G16H 20/70** ( 2018.01 )  
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**(43)** 01.06.2023  
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**(54)** INTELLIGENT TRANSCRIPTION AND BIOMARKER ANALYSIS  
**(51)** Int. Cl.  
**G10L 15/26** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**G06F 40/30** ( 2020.01 )  
**G10L 17/26** ( 2013.01 )  
**G10L 25/66** ( 2013.01 )  
**G10L 25/63** ( 2013.01 )  
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**(11)** AU-A-2022424299  
**(21)** 2022424299 **(22)** 21.12.2022  
**(54)** ADDITIVE OR SEALING COMPOSITION FOR CEMENTITIOUS COMPOSITIONS, CEMENTITIOUS COMPOSITION, METHODS OF MANUFACTURING THE SAME, AND METHODS OF PREPARING A CEMENTITIOUS STRUCTURE AND TREATING A SURFACE THEREOF  
**(51)** Int. Cl.  
**C04B 28/02** ( 2006.01 )  
**C04B 40/00** ( 2006.01 )  
**C04B 41/00** ( 2006.01 )  
**C04B 103/65** ( 2006.01 )  
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**(74)** Griffith Hack
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**(21)** 2022389038 **(22)** 17.11.2022  
**(54)** CONCRETE SLAB CONSTRUCTION HAVING A JOINING ELEMENT MADE OF CONCRETE FOR JOINING CONCRETE SLABS TOGETHER, AND METHOD FOR PRODUCING A CONCRETE SLAB CONSTRUCTION  
**(51)** Int. Cl.  
**E04B 1/04** ( 2006.01 )  
**E01D 2/02** ( 2006.01 )  
**E04B 5/04** ( 2006.01 )  
**E04C 2/04** ( 2006.01 )  
**E04C 2/00** ( 2006.01 )  
**(87)** WO2023/089058  
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**(43)** 25.05.2023  
**(72)** KURATH-GROLLMANN, Josef Peter  
**(74)** Griffith Hack
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**(21)** 2022396298 **(22)** 28.11.2022  
**(54)** LEAD-SEQUESTRATION MATERIAL FOR PEROVSKITE DEVICES  
**(51)** Int. Cl.  
**C09D 11/03** ( 2014.01 )  
**H01L 31/032** ( 2006.01 )  
**H01L 31/18** ( 2006.01 )  
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**(31)** 63/283,514 **(32)** 28.11.21 **(33)** US  
**(43)** 01.06.2023  
**(72)** IRWIN, Michael, D.; NGUYEN, Minh Tu  
**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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**(54)** METHODS FOR FORMING PEROVSKITE MATERIAL LAYERS  
**(51)** Int. Cl.
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**H10K 99/00** ( 2023.01 )  
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**(11)** AU-A-2022393234  
**(21)** 2022393234 **(22)** 18.11.2022  
**(54)** INJECTABLE AND INHALABLE FORMULATIONS  
**(51)** Int. Cl.  
**A61K 31/4045** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61P 25/18** ( 2006.01 )  
**A61P 25/22** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 63/280,409 **(32)** 17.11.21 **(33)** US  
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**(74)** FB Rice Pty Ltd
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**(54)** ANTIBODIES AGAINST CTLA-4 AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (51) Int. Cl.  
**A47J 31/36** ( 2006.01 )  
**A47J 31/00** ( 2006.01 )  
**A47J 31/46** ( 2006.01 )  
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 (31) 102021000032600 (32) 23.12.21 (33) IT  
 (43) 29.06.2023  
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 (54) GENERATING AN ABOVE GROUND BIOMASS DENSITY PREDICTION MODEL  
 (51) Int. Cl.  
**G01S 13/86** ( 2006.01 )  
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**G01S 13/90** ( 2006.01 )  
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 (54) GLUCOSE MONITORING OVER PHASES AND CORRESPONDING PHASED INFORMATION DISPLAY  
 (51) Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**G06F 9/451** ( 2018.01 )  
**G16H 20/10** ( 2018.01 )  
**G16H 40/63** ( 2018.01 )  
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 (54) PREDICTION FUNNEL FOR GENERATION OF HYPO- AND HYPER GLYCEMIC ALERTS BASED ON CONTINUOUS GLUCOSE MONITORING DATA  
 (51) Int. Cl.  
**G16H 20/17** ( 2018.01 )  
**G16H 50/50** ( 2018.01 )  
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 (51) Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
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 (21) 2022419538 (22) 21.12.2022  
 (54) METHOD FOR PREPARING A SALT OF ISOCYCLOSPORIN A  
 (51) Int. Cl.  
**C07K 7/64** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
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 (72) PIUMATTI, Sonia  
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 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 38/13** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
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 (54) TERTIARY ALKANOLAMINE FOR GAS TREATING  
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**B01D 53/14** ( 2006.01 )  
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 (54) MAP DISPLAY METHOD, APPARATUS, STORAGE MEDIUM AND ELECTRONIC APPARATUS  
 (51) Int. Cl.  
**G06F 3/0488** ( 2022.01 )  
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 (21) 2023252102 (22) 09.03.2023  
 (54) CONTROL METHOD AND APPARATUS FOR ROTATION OF SIDE BRUSH, AND STORAGE MEDIUM AND ELECTRONIC APPARATUS  
 (51) Int. Cl.  
**A47L 11/24** ( 2006.01 )  
**A47L 11/40** ( 2006.01 )  
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 (11) AU-A-2022403121  
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 (54) CORE-SHELL MICROCAPSULES, MANUFACTURING PROCESSES AND USES  
 (51) Int. Cl.  
**B01J 13/20** ( 2006.01 )  
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- (71)** DUCENTIS BIOTHERAPEUTICS LIMITED  
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**(21)** 2022381844 **(22)** 03.11.2022  
**(54)** NOVEL PROTEINS  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
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**(31)** 2115803.5 **(32)** 03.11.21 **(33)** GB  
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**(72)** ASHFIELD, Rebecca; HUXLEY, Philip  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** DUPONT NUTRITION BIOSCIENCES APS; NUTRITION & BIOSCIENCES USA 4, INC.; DANISCO SWEETENERS OY; DANISCO USA INC.; DANISCO UK LTD.  
**(11)** AU-A-2022388943  
**(21)** 2022388943 **(22)** 22.11.2022  
**(54)** COMPOSITIONS FOR METABOLIC HEALTH  
**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/741** ( 2015.01 )  
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**(74)** Oxygene IP
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- (71)** ECOLAB USA INC.  
**(11)** AU-A-2022401834  
**(21)** 2022401834 **(22)** 28.11.2022  
**(54)** USE OF A CHLORINE DIOXIDE PRECURSOR FOR CONTROLLING ION METABOLISM OF BACTERIA IN COOLING WATER SYSTEMS  
**(51)** Int. Cl.  
**C02F 1/00** ( 2023.01 )  
**A01N 25/00** ( 2006.01 )  
**A01N 59/00** ( 2006.01 )  
**A01P 1/00** ( 2006.01 )  
**C02F 1/76** ( 2023.01 )  
**C02F 1/50** ( 2023.01 )  
**C02F 1/66** ( 2023.01 )  
**C02F 1/72** ( 2023.01 )  
**C02F 103/02** ( 2006.01 )  
**(87)** WO2023/101916  
**(31)** 63/285,234 **(32)** 02.12.21 **(33)** US  
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- (71)** EDISON ONCOLOGY  
**(11)** AU-A-2022370861  
**(21)** 2022370861 **(22)** 21.10.2022  
**(54)** COMPOSITIONS AND METHODS FOR TREATMENT OF HYPERPROLIFERATIVE, INFLAMMATORY, AND IMMUNOLOGICAL DISEASES, AND INFECTIONS  
**(51)** Int. Cl.  
**A61K 31/18** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2023/069727  
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**(54)** PRODUCT APPLICATION WAND  
**(51)** Int. Cl.  
**A45D 40/26** ( 2006.01 )  
**A45D 40/00** ( 2006.01 )  
**B65D 51/32** ( 2006.01 )  
**(87)** WO2023/096877  
**(31)** 17/534,374 **(32)** 23.11.21 **(33)** US  
**(43)** 01.06.2023  
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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**(54)** SIRP GAMMA ANTIBODIES AND USES THEREOF  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**(11)** AU-A-2022410082  
**(21)** 2022410082 **(22)** 02.12.2022  
**(54)** DEVICE FOR DISASSEMBLING IMPLANT SYSTEMS  
**(51)** Int. Cl.  
**A61F 2/34** ( 2006.01 )  
**A61B 17/58** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**(87)** WO2023/114023  
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**(72)** WILLS, Kevin Michael; WESTERBERG, Annika; FEWELL, Heather  
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**(11)** AU-A-2022400858  
**(21)** 2022400858 **(22)** 05.12.2022  
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**F25B 45/00** ( 2006.01 )  
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**C01D 15/04** ( 2006.01 )  
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A61P 3/04 (2006.01)  
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*D21J 7/00* ( 2006.01 )  
*B05D 1/02* ( 2006.01 )  
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*D21H 21/16* ( 2006.01 )  
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*C01B 3/02* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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*E03C 1/04* ( 2006.01 )  
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C07K 7/02 (2006.01)  
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A61B 10/00 (2006.01)  
C12Q 1/6827 (2018.01)  
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C07D 401/04 (2006.01)  
C07D 401/12 (2006.01)  
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A23L 33/105 ( 2016.01 )  
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B09C 1/10 ( 2006.01 )  
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G01N 21/15 ( 2006.01 )  
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**A61K 31/343** ( 2006.01 )  
**C07C 251/48** ( 2006.01 )  
**C07D 307/81** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 307/79** ( 2006.01 )  
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(21) 2022407454 (22) 07.12.2022  
(54) USE OF AN RXR AGONIST IN TREATING DRUG RESISTANT HER2+ CANCERS  
(51) Int. Cl.  
**A61K 31/216** ( 2006.01 )  
**A61K 31/01** ( 2006.01 )  
**A61K 31/015** ( 2006.01 )  
**A61K 31/215** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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(54) USE OF AN RXR AGONIST AND TAXANES IN TREATING HER2+ CANCERS  
(51) Int. Cl.  
A61K 31/216 ( 2006.01 )  
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A61K 31/015 ( 2006.01 )  
A61K 31/215 ( 2006.01 )  
A61K 31/4709 ( 2006.01 )  
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(54) PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT OF VISCERAL PAIN  
(51) Int. Cl.  
A61K 38/10 ( 2006.01 )  
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A61K 9/12 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
C07K 7/08 ( 2006.01 )  
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(54) BIOSYNTHETIC MONOVALENT BINDING MOLECULES WITH ENHANCED EFFECTOR FUNCTIONS  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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(51) Int. Cl.  
H04B 10/112 ( 2013.01 )  
G01S 17/00 ( 2020.01 )  
G08G 1/04 ( 2006.01 )  
H04B 10/114 ( 2013.01 )  
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(54) CHIMERIC COMPOUND FOR TARGETED DEGRADATION OF ANDROGEN RECEPTOR PROTEIN, PREPARATION METHOD THEREFOR, AND MEDICAL USE THEREOF  
(51) Int. Cl.  
C07D 471/10 ( 2006.01 )  
A61K 31/497 ( 2006.01 )  
A61P 13/08 ( 2006.01 )  
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(54) CANNABICHROMENEQUINONE AND ANALOGUES THEREOF, AND METHOD OF USING COMPOSITIONS THEREOF AS ANTI-INFLAMMATORY AGENTS  
(51) Int. Cl.  
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A61K 31/352 ( 2006.01 )  
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(54) SELECTIVE PARP1 INHIBITOR AND APPLICATION THEREOF  
(51) Int. Cl.  
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A61K 31/4375 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
C07D 401/12 ( 2006.01 )  
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C07D 487/04 ( 2006.01 )  
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(54) GREENING SYSTEM AND CONSTRUCTION METHOD THEREOF  
(51) Int. Cl.  
A01G 9/033 ( 2018.01 )  
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*B65D 90/24* ( 2006.01 )  
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 (11) AU-A-2022418339  
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 (54) A METHOD FOR IMPROVING GREASE AND OIL RESISTANCE OF A FIBER BASED ARTICLE  
 (51) Int. Cl.  
*D21H 17/20* ( 2006.01 )  
*D21H 17/00* ( 2006.01 )  
*D21H 21/16* ( 2006.01 )  
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 (11) AU-A-2022422436  
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 (54) A METHOD FOR IMPROVING GREASE AND OIL RESISTANCE OF A FIBER BASED ARTICLE  
 (51) Int. Cl.  
*D21H 21/16* ( 2006.01 )  
*B65D 65/40* ( 2006.01 )  
*D21H 17/00* ( 2006.01 )  
*D21H 17/37* ( 2006.01 )  
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 (54) FIBER FORMING DEVICE AND PROCESS USING SAME  
 (51) Int. Cl.  
*D01D 1/09* ( 2006.01 )  
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 (54) ANTI-C2 ANTIBODIES AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 7/00* ( 2006.01 )  
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*C12P 21/08* ( 2006.01 )  
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 (54) MEDICAL IMAGE MOVEMENT DETECTION AND CORRECTION METHOD AND SYSTEM, AND COMPUTER READABLE MEDIUM  
 (51) Int. Cl.  
*G06T 5/00* ( 2006.01 )  
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 (54) MANAGEMENT DEVICE AND MANAGEMENT METHOD  
 (51) Int. Cl.  
*B60L 58/40* ( 2019.01 )  
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 (54) AN AUDIO APPARATUS AND METHOD OF OPERATION THEREFOR  
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*G10K 15/12* ( 2006.01 )  
*H04S 1/00* ( 2006.01 )  
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 (54) FRONT LOADER  
 (51) Int. Cl.  
*E02F 3/36* ( 2006.01 )  
*E02F 9/00* ( 2006.01 )  
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(54) ATTITUDE MAINTENANCE MECHANISM OF FRONT LOADER AND FRONT LOADER  
(51) Int. Cl.  
*E02F 3/34* ( 2006.01 )  
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(54) HETERO-ATOM CONTAINING COMPOUNDS AND USES THEREOF  
(51) Int. Cl.  
*C07D 417/10* ( 2006.01 )  
*A61K 31/433* ( 2006.01 )  
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*A61K 35/17* ( 2015.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 417/04* ( 2006.01 )  
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*C12N 5/078* ( 2010.01 )  
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(54) CRYOGENIC REFRIGERATION DEVICE  
(51) Int. Cl.  
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*F17C 3/08* ( 2006.01 )  
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*F25B 9/02* ( 2006.01 )  
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(54) FIBER-REINFORCED PLASTIC COMPOSITE HAVING IMPROVED UV AND GLOSS PROPERTIES, A PRODUCTION METHOD THEREOF AND USE THEREOF  
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*B32B 7/10* ( 2006.01 )  
*B32B 27/12* ( 2006.01 )  
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*B09C 1/00* ( 2006.01 )  
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*C07D 213/70* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07D 213/71* ( 2006.01 )  
*C07D 213/85* ( 2006.01 )  
*C07D 231/56* ( 2006.01 )  
*C07D 237/18* ( 2006.01 )  
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*C07D 277/56* ( 2006.01 )  
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*C07D 309/08* ( 2006.01 )  
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*C07D 333/34* ( 2006.01 )  
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(51) Int. Cl.  
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*A47F 7/19* ( 2006.01 )  
*D06F 58/20* ( 2006.01 )  
*D06F 58/26* ( 2006.01 )  
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*H04N 7/15* (2006.01)  
*H04L 12/18* (2006.01)  
*H04L 65/403* (2022.01)  
*H04N 21/2187* (2011.01)  
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*C21B 13/10* (2006.01)  
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**B29C 33/38** ( 2006.01 )  
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**A61K 9/127** ( 2006.01 )  
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**G06T 7/90** ( 2017.01 )  
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**B29C 51/00** ( 2006.01 )  
**C08L 29/04** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )  
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**A01H 6/46** ( 2018.01 )  
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**(54)** SYSTEM AND METHOD FOR ADAPTING WORKFLOWS BASED ON COMMONALITY WITH OTHERS  
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**G06Q 10/06** ( 2023.01 )  
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**H02P 6/08** ( 2016.01 )  
**H02P 6/14** ( 2016.01 )  
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**H02P 6/28** ( 2016.01 )  
**H02P 29/024** ( 2016.01 )  
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**C08J 3/22** ( 2006.01 )  
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**(72)** MALOFSKY, Adam Gregg; LEVIN, Steve; POTLURI, Srinagesh Kumar; SHAFER, Jane Morris  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY; DE NORA PERMELEC LTD  
**(11)** AU-A-2022423069  
**(21)** 2022423069 **(22)** 29.09.2022  
**(54)** AQUEOUS SOLUTION ELECTROLYSIS METHOD  
**(51)** Int. Cl.  
**C25B 1/04** ( 2021.01 )  
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**C25B 9/00** ( 2021.01 )  
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**(43)** 29.06.2023  
**(72)** MISUMI Ryuta; MITSUSHIMA Shigenori; IKEDA Hayata; NISHIKI

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Yoshinori; KATO Akihiro; NAKAI<br>Takaaki<br><b>(74)</b> Spruson & Ferguson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>(21)</b> 2022413653<br><b>(54)</b> ELECTRONIC VAPOUR PROVISION DEVICE<br><b>(51)</b> Int. Cl.<br><i>A24F 40/46</i> (2020.01)<br><i>A24F 40/44</i> (2020.01)<br><i>A24F 40/50</i> (2020.01)<br><i>A61M 15/06</i> (2006.01)<br><i>H05B 6/46</i> (2006.01)<br><i>H05B 6/64</i> (2006.01)<br><b>(87)</b> WO2023/111357<br><b>(31)</b> 63/265,651<br><b>(32)</b> 17.12.21<br><b>(33)</b> US<br>63/265,654 17.12.21 US<br>63/265,655 17.12.21 US<br>63/265,656 17.12.21 US<br>2209044.3 20.06.22 GB<br>2209040.1 20.06.22 GB<br>2209050.0 20.06.22 GB<br>2209031.0 20.06.22 GB<br>63/383,895 15.11.22 US<br><b>(43)</b> 22.06.2023<br><b>(72)</b> MUSGRAVE, Damyn; WOOD, Jason; SHORT, Jason; SEARS, Stephen<br><b>(74)</b> Spruson & Ferguson |
| <b>(71)</b> NATREON, INC.<br><b>(11)</b> AU-A-2022392186<br><b>(21)</b> 2022392186<br><b>(22)</b> 15.11.2022<br><b>(54)</b> WITHANIA SOMNIFERA AND ASPARAGUS RACEMOSUS IN TREATING POST-MENOPAUSAL CONDITIONS<br><b>(51)</b> Int. Cl.<br><i>A61P 15/12</i> (2006.01)<br><i>A61K 36/81</i> (2006.01)<br><i>A61K 36/896</i> (2006.01)<br><i>A61P 19/10</i> (2006.01)<br><b>(87)</b> WO2023/091390<br><b>(31)</b> 63/280,356<br><b>(32)</b> 17.11.21<br><b>(33)</b> US<br><b>(43)</b> 25.05.2023<br><b>(72)</b> KALIDINDI, Sanyasi R.<br><b>(74)</b> WRAYS PTY LTD                                                                                                                                                                                                                                                                                                                                                                             | <b>(71)</b> NEXTRACKER LLC<br><b>(11)</b> AU-A-2022390804<br><b>(21)</b> 2022390804<br><b>(22)</b> 17.11.2022<br><b>(54)</b> TERRAIN FOLLOWING SOLAR TRACKER<br><b>(51)</b> Int. Cl.<br><i>H02S 20/32</i> (2014.01)<br><i>H02S 20/10</i> (2014.01)<br><b>(87)</b> WO2023/091605<br><b>(31)</b> 63/280,990<br><b>(32)</b> 18.11.21<br><b>(33)</b> US<br><b>(43)</b> 25.05.2023<br><b>(72)</b> MORIN, Jacob Mark; KRESSE, David E.; ABRAHAM, Daniel Y.; CARIDE, Angel Galván; VADAKAPURAM, Jeevan<br><b>(74)</b> Clark Intellectual Property Pty Ltd                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>(71)</b> NEUMIC THERAPEUTICS LIMITED<br><b>(11)</b> AU-A-2022376876<br><b>(21)</b> 2022376876<br><b>(22)</b> 27.10.2022<br><b>(54)</b> TREATMENT DEVICE<br><b>(51)</b> Int. Cl.<br><i>A61K 41/00</i> (2020.01)<br><i>A61B 5/00</i> (2006.01)<br><i>A61B 5/055</i> (2006.01)<br><i>A61B 5/245</i> (2021.01)<br><i>A61B 6/03</i> (2006.01)<br><i>A61K 9/00</i> (2006.01)<br><i>A61K 49/00</i> (2006.01)<br><i>A61K 49/22</i> (2006.01)<br><i>A61N 2/00</i> (2006.01)<br><i>A61N 2/02</i> (2006.01)<br><i>A61N 2/06</i> (2006.01)<br><i>A61N 5/02</i> (2006.01)<br><i>A61N 5/06</i> (2006.01)<br><i>A61N 5/067</i> (2006.01)<br><i>A61N 7/00</i> (2006.01)<br><i>A61P 25/16</i> (2006.01)<br><b>(87)</b> WO2023/075611<br><b>(31)</b> 63/273,041<br><b>(32)</b> 28.10.21<br><b>(33)</b> US<br><b>(43)</b> 04.05.2023<br><b>(72)</b> REYNOLDS, John Noble James; HARRIS, Paul David; SOWERBY, Stephen John<br><b>(74)</b> Ribeiro IP Limited | <b>(71)</b> NEXTRACKER LLC<br><b>(11)</b> AU-A-2022400770<br><b>(21)</b> 2022400770<br><b>(22)</b> 30.11.2022<br><b>(54)</b> SYSTEMS AND METHODS FOR TRACKER-LEVEL PROTECTION<br><b>(51)</b> Int. Cl.<br><i>H02S 20/32</i> (2014.01)<br><i>F24S 30/425</i> (2018.01)<br><i>F24S 50/20</i> (2018.01)<br><b>(87)</b> WO2023/102050<br><b>(31)</b> 63/284,617<br><b>(32)</b> 30.11.21<br><b>(33)</b> US<br><b>(43)</b> 08.06.2023<br><b>(72)</b> LI, Chen; LIU, Yang; AU, Alexander, W.<br><b>(74)</b> Clark Intellectual Property Pty Ltd                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>(71)</b> NEWSOUTH INNOVATIONS PTY LIMITED; THE UNIVERSITY OF SYDNEY<br><b>(11)</b> AU-A-2022385088<br><b>(21)</b> 2022385088<br><b>(22)</b> 11.11.2022<br><b>(54)</b> DISTRIBUTED LEDGER FOR INTERNET OF THINGS<br><b>(51)</b> Int. Cl.<br><i>G06F 16/27</i> (2019.01)<br><i>G06F 21/64</i> (2013.01)<br><i>G06Q 20/38</i> (2012.01)<br><i>G16Y 10/50</i> (2020.01)<br><b>(87)</b> WO2023/081973<br><b>(31)</b> 2021903632<br><b>(32)</b> 12.11.21<br><b>(33)</b> AU<br><b>(43)</b> 19.05.2023<br><b>(72)</b> SANI, Abubakar Sadiq; DONG, Zhao Yang; YUAN, Dong; MENG, Ke<br><b>(74)</b> Spruson & Ferguson                                                                                                                                                                                                                                                                                                                              | <b>(71)</b> NICOVENTURES TRADING LIMITED<br><b>(11)</b> AU-A-2022403751<br><b>(21)</b> 2022403751<br><b>(22)</b> 08.12.2022<br><b>(54)</b> AEROSOL PROVISION DEVICE COMPRISING A RADIO FREQUENCY RECEIVER FOR POWER HARVESTING<br><b>(51)</b> Int. Cl.<br><i>A24F 40/90</i> (2020.01)<br><i>H02J 50/20</i> (2016.01)<br><i>H04B 5/00</i> (2006.01)<br><b>(87)</b> WO2023/105236<br><b>(31)</b> 2117822.3<br><b>(32)</b> 09.12.21<br><b>(33)</b> GB<br><b>(43)</b> 15.06.2023<br><b>(72)</b> AL-AMIN, Mohammed; BRUTON, Connor; MUSGRAVE, Damyn<br><b>(74)</b> Spruson & Ferguson |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>(71)</b> NICOVENTURES TRADING LIMITED<br><b>(11)</b> AU-A-2022418369<br><b>(21)</b> 2022418369<br><b>(22)</b> 09.12.2022<br><b>(54)</b> DELIVERY SYSTEM<br><b>(51)</b> Int. Cl.<br><i>A24F 40/10</i> (2020.01)<br><i>A24F 40/40</i> (2020.01)<br><b>(87)</b> WO2023/118795<br><b>(31)</b> 2118832.1<br><b>(32)</b> 22.12.21<br><b>(33)</b> GB<br><b>(43)</b> 29.06.2023<br><b>(72)</b> SUTTON, Joseph Peter<br><b>(74)</b> Spruson & Ferguson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>(71)</b> NICOVENTURES TRADING LIMITED<br><b>(11)</b> AU-A-2022419430<br><b>(21)</b> 2022419430<br><b>(22)</b> 09.12.2022<br><b>(54)</b> AEROSOL GENERATING SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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**C12P 7/6481** ( 2022.01 )  
**C12Q 1/6895** ( 2018.01 )  
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SHRESTHA, Pushkar; DEVILLA, Ros-  
angela Aparecida; NGUYEN, Hanh;  
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(54) METHODS OF TREATMENT USING  
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Dan Dragos; STUART, Bridget Danielle;  
SIN, Kim-Hien; RAPP, Karin  
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GLENN, Gregory; FRIES, Louis; RE-  
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(72) TAMS, Jeppe, Wegener; OSMAN, Ali;  
SPODSBERG, Nikolaj; SALOMON,  
Jesper; RANNES, Julie, Bille; VESTER,  
Jan, Kjoelhede; RASMUSSEN, Frank,  
Winther.; JOHANSEN, Annette, Helle;  
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 LEE, Robert  
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 KIM, Min Jung  
 (74) FB Rice Pty Ltd

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 (72) APPLEBY, Rodney; RASMUSSEN, Kieren; ARKWRIGHT, John  
 (74) Davies Collision Cave Pty Ltd

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 (11) AU-A-2022375388  
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 (72) NEGORO Makoto; MORISAKA Shini-chi; SHIOMI Hidehisa; MIYOSHI Take-fumi; KOIKE Keisuke  
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 (54) ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD  
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**G10L 19/002** ( 2013.01 )  
**G10L 19/038** ( 2013.01 )  
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 (72) NAGISETTY, Srikanth; LIM, Chong Soon; EHARA, Hiroyuki; HARADA, Akira  
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**G03B 11/00** ( 2021.01 )  
**H04N 23/55** ( 2023.01 )  
**H04N 23/75** ( 2023.01 )  
**G03B 7/00** ( 2021.01 )  
 (87) WO2023/097088  
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 (72) GALINDO, Edwin, Iovanni; HAGMAIER, Charles, P., Jr.; SASAKI, Daniel, Keith; MCVICKER, Guy, Hamilton  
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(71) PANTEL, R.J.  
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 (54) SYSTEM AND METHOD FOR EVALUATING SOLAR INSTALLATION PLANS, STRUCTURAL AND ELECTRICAL ANALYSES, AND PERMIT PREPARATION  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06F 16/245** ( 2019.01 )  
**G06F 30/13** ( 2020.01 )  
**G06Q 10/10** ( 2023.01 )  
**G06Q 30/00** ( 2023.01 )  
**G06Q 50/08** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )  
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 (72) PANTEL, Richard Joseph  
 (74) Baxter Patent Attorneys Pty Ltd

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 G02C 5/00 ( 2006.01 )  
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 (51) Int. Cl.  
 H04N 23/60 ( 2023.01 )  
 A61B 5/00 ( 2006.01 )  
 A61B 5/107 ( 2006.01 )  
 A61B 5/1171 ( 2016.01 )  
 G06V 40/10 ( 2022.01 )  
 H04N 17/00 ( 2006.01 )
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 G06V 40/19 ( 2022.01 )  
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 A61N 2/00 ( 2006.01 )
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 C12N 15/11 ( 2006.01 )
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 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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 A61K 6/52 ( 2020.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 F25D 23/00 ( 2006.01 )  
 G10K 11/16 ( 2006.01 )
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 (11) AU-A-2022379963  
 (21) 2022379963 (22) 07.11.2022  
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 A61K 38/16 ( 2006.01 )  
 A61P 39/02 ( 2006.01 )  
 C12Q 1/44 ( 2006.01 )
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 (72) MONSUL, Nicholas, T.; BERKES, Eva, A.; GLINIEWICZ, Karol; LIAO, Yu-Hsien; HSIN, I-Fang  
 (74) Allens Patent & Trade Mark Attorneys
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- (71) RAYTHEON COMPANY  
 (11) AU-A-2022421842  
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 (54) ENERGY STORAGE POWER SOURCE USING A WOUND-ROTOR INDUCTION MACHINE (WRIM) TO CHARGE AND DISCHARGE ENERGY STORAGE ELEMENTS (ESES)  
 (51) Int. Cl.  
 H02J 3/30 ( 2006.01 )  
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 H02J 7/00 ( 2006.01 )  
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| <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022424272<br/>                     (21) 2022424272 (22) 09.12.2022<br/>                     (54) SOLAR MODULE SPACER<br/>                     (51) Int. Cl.<br/> <i>F24S 80/00</i> ( 2018.01 )<br/> <i>B65D 57/00</i> ( 2006.01 )<br/> <i>B65D 81/05</i> ( 2006.01 )<br/> <i>B65D 85/48</i> ( 2006.01 )<br/> <i>H02S 40/00</i> ( 2014.01 )<br/>                     (87) WO2023/126148<br/>                     (31) 2119062.4 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) HENG, Fook Hai<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p> | <p><i>H01L 31/05</i> ( 2014.01 )<br/> <i>H01L 31/18</i> ( 2006.01 )<br/>                     (87) WO2023/126149<br/>                     (31) 2119063.2 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) SUBRAMANI, Thiyagu; SEE, Chin Keong; ANDERSSON, Bjorn; LYNN, Thein Aung Victor<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                                                                                                                                                                                                          | <p>(43) 06.07.2023<br/>                     (72) HASCHKE, Jan<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022424273<br/>                     (21) 2022424273 (22) 09.12.2022<br/>                     (54) A METHOD OF CLEANING A SEMI-CONDUCTOR SUBSTRATE FOR A SOLAR CELL, AND A CORRESPONDING CLEANING SYSTEM<br/>                     (51) Int. Cl.<br/> <i>H01L 31/18</i> ( 2006.01 )<br/>                     (87) WO2023/126153<br/>                     (31) 2119067.3 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) CHAN, Chui Yu; TANG, Muzhi<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                               | <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022426583<br/>                     (21) 2022426583 (22) 09.12.2022<br/>                     (54) A UNITARY FILM FOR AN ELECTRODE ASSEMBLY OF A SOLAR CELL<br/>                     (51) Int. Cl.<br/> <i>H01L 31/048</i> ( 2014.01 )<br/> <i>H01L 31/05</i> ( 2014.01 )<br/>                     (87) WO2023/126154<br/>                     (31) 2119068.1 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) NGOH, Toh Xin; LIANG, Yiting<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>        | <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022429986<br/>                     (21) 2022429986 (22) 09.12.2022<br/>                     (54) AN ELECTRODE ASSEMBLY<br/>                     (51) Int. Cl.<br/> <i>H01L 31/05</i> ( 2014.01 )<br/> <i>H01L 31/0224</i> ( 2006.01 )<br/>                     (87) WO2023/126151<br/>                     (31) 2119065.7 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) SUBRAMANI, Thiyagu; DIESTA, Noel Gonzales; SRIDHARA, Shankar Gauri<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                                                                                                                                                                                                                                                                                                     |
| <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022425415<br/>                     (21) 2022425415 (22) 09.12.2022<br/>                     (54) SOLAR MODULE<br/>                     (51) Int. Cl.<br/> <i>H01L 31/049</i> ( 2014.01 )<br/>                     (87) WO2023/126147<br/>                     (31) 2119061.6 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) HENG, Fook Hai; SRIDHARA, Shankar Gauri<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                                                                                                          | <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022429460<br/>                     (21) 2022429460 (22) 09.12.2022<br/>                     (54) SOLAR MODULE<br/>                     (51) Int. Cl.<br/> <i>H01L 31/02</i> ( 2006.01 )<br/> <i>H01L 31/042</i> ( 2014.01 )<br/> <i>H01L 31/044</i> ( 2014.01 )<br/>                     (87) WO2023/126145<br/>                     (31) 2119059.0 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) SUBRAMANI, Thiyagu; SRIDHARA, Shankar Gauri<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p> | <p>(71) RED ROCK REGENERATION INC.<br/>                     (11) AU-A-2022399055<br/>                     (21) 2022399055 (22) 25.11.2022<br/>                     (54) TREATMENT OF BONE TISSUE TO INCREASE THE BIOAVAILABILITY OF GROWTH FACTORS<br/>                     (51) Int. Cl.<br/> <i>A61K 38/18</i> ( 2006.01 )<br/> <i>A61K 35/28</i> ( 2015.01 )<br/> <i>A61K 38/30</i> ( 2006.01 )<br/> <i>A61P 19/08</i> ( 2006.01 )<br/> <i>C07K 14/475</i> ( 2006.01 )<br/> <i>C07K 14/49</i> ( 2006.01 )<br/> <i>C07K 14/495</i> ( 2006.01 )<br/> <i>C07K 14/51</i> ( 2006.01 )<br/> <i>C07K 14/65</i> ( 2006.01 )<br/> <i>C12N 5/077</i> ( 2010.01 )<br/>                     (87) WO2023/092236<br/>                     (31) 63/264,593 (32) 26.11.21 (33) US<br/>                     (43) 01.06.2023<br/>                     (72) PEEL, Sean A.f.; SHIVANNA, Sowmya<br/>                     (74) FPA Patent Attorneys Pty Ltd</p> |
| <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022425416<br/>                     (21) 2022425416 (22) 09.12.2022<br/>                     (54) METHODS OF TREATMENT &amp; MANUFACTURE OF A SOLAR CELL<br/>                     (51) Int. Cl.<br/> <i>H01L 31/0747</i> ( 2012.01 )<br/> <i>H01L 31/18</i> ( 2006.01 )<br/>                     (87) WO2023/126152<br/>                     (31) 2119066.5 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) MOK, Yong Soon; CHOO, Yong Xin; CHONG, Shu Yunn; WU, Yu Hao<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                        | <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022429461<br/>                     (21) 2022429461 (22) 09.12.2022<br/>                     (54) SOLAR CELL ASSEMBLY<br/>                     (51) Int. Cl.<br/> <i>H01L 31/05</i> ( 2014.01 )<br/> <i>H01L 31/072</i> ( 2012.01 )<br/>                     (87) WO2023/126150<br/>                     (31) 2119064.0 (32) 29.12.21 (33) GB<br/>                     (43) 06.07.2023<br/>                     (72) SRIDHARA, Shankar Gauri; ANDERSSON, Bjorn; YU, Jeonghun<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                  | <p>(71) REGENERON PHARMACEUTICALS, INC.<br/>                     (11) AU-A-2022391709<br/>                     (21) 2022391709 (22) 16.11.2022<br/>                     (54) PATCH-PUMP<br/>                     (51) Int. Cl.<br/> <i>A61M 5/142</i> ( 2006.01 )<br/> <i>A61M 5/172</i> ( 2006.01 )<br/> <i>A61M 5/20</i> ( 2006.01 )<br/> <i>A61M 5/315</i> ( 2006.01 )<br/> <i>A61M 5/48</i> ( 2006.01 )<br/>                     (87) WO2023/091922<br/>                     (31) 63/264,121 (32) 16.11.21 (33) US<br/>                     (43) 25.05.2023<br/>                     (72) GRYGUS, Bryan C.; MCNAMARA, Jeremy; FARRAGE, David; NYGAARD, Sten; PHILLIPS, Wayne; KENYON, Ross; LANGLEY, Trevor; HALBIG, Daniel; MARINO, Alfred; MOORE, Jeff; NORUP, Jan; ODEGARD, Jeremy<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p>                                                                                     |
| <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022426582<br/>                     (21) 2022426582 (22) 09.12.2022<br/>                     (54) AN APPARATUS FOR MANUFACTURING AN ELECTRODE ASSEMBLY<br/>                     (51) Int. Cl.<br/> <i>H01L 31/0747</i> ( 2012.01 )<br/> <i>H01L 31/0216</i> ( 2014.01 )<br/> <i>H01L 31/068</i> ( 2012.01 )<br/>                     (87) WO2023/126146<br/>                     (31) 2119060.8 (32) 29.12.21 (33) GB</p>                                                                                                                                                                                  | <p>(71) REC SOLAR PTE. LTD.<br/>                     (11) AU-A-2022429985<br/>                     (21) 2022429985 (22) 09.12.2022<br/>                     (54) SOLAR CELL AND METHOD FOR FORMING THE SAME<br/>                     (51) Int. Cl.<br/> <i>H01L 31/0747</i> ( 2012.01 )<br/> <i>H01L 31/0216</i> ( 2014.01 )<br/> <i>H01L 31/068</i> ( 2012.01 )<br/>                     (87) WO2023/126146<br/>                     (31) 2119060.8 (32) 29.12.21 (33) GB</p>                                                                                                                                              | <p>(71) REGENERON PHARMACEUTICALS, INC.<br/>                     (11) AU-A-2022408167<br/>                     (21) 2022408167 (22) 08.12.2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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 (51) Int. Cl.  
*A01K 67/027* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
 (87) WO2023/108047  
 (31) 63/287,281 (32) 08.12.21 (33) US  
 (43) 15.06.2023  
 (72) PATEL, Gaurang; HUNT, Charleen; TANG, Yajun; FANG, Qing; GONG, Guochun; HU, Ying; ROMANO, Carmelo  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2022392835  
 (21) 2022392835 (22) 18.11.2022  
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*F16K 11/044* ( 2006.01 )  
*F16K 27/02* ( 2006.01 )  
*F16K 31/00* ( 2006.01 )  
 (87) WO2023/087068  
 (31) 2021903731 (32) 19.11.21 (33) AU  
 (43) 25.05.2023  
 (72) HAY, Gary; HARRAP, Greg  
 (74) Allens Patent & Trade Mark Attorneys
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- (71) REMEDY ROBOTICS, INC.  
 (11) AU-A-2022395958  
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 (54) IMAGE SPACE CONTROL FOR ENDOVASCULAR TOOLS  
 (51) Int. Cl.  
*G16H 30/40* ( 2018.01 )  
*A61B 5/06* ( 2006.01 )  
*A61B 34/20* ( 2016.01 )  
 (87) WO2023/096679  
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 (72) BELL, David, James; SGANGA, Jake, Anthony; KAHN, Gregory  
 (74) Griffith Hack
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 (11) AU-A-2022396547  
 (21) 2022396547 (22) 28.11.2022  
 (54) METHODS OF GENERATING SELF-REPLICATING RNA MOLECULES  
 (51) Int. Cl.  
*C07K 14/18* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
*C12N 7/04* ( 2006.01 )  
 (87) WO2023/097317  
 (31) 63/283,660 (32) 29.11.21 (33) US  
 (43) 01.06.2023  
 (72) WANG, Nathaniel Stephen; MIYAKE-STONER, Shigeki Joseph; ALIAHMAD, Parinaz  
 (74) RnB IP
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 (11) AU-A-2022398499
- (21) 2022398499 (22) 28.11.2022  
 (54) COMPOSITIONS AND METHODS FOR EXPRESSION OF IL-12 AND IL-1RA  
 (51) Int. Cl.  
*C12N 15/11* ( 2006.01 )  
*C07K 14/54* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
 (87) WO2023/097318  
 (31) 17/537,211 (32) 29.11.21 (33) US  
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 (72) WANG, Nathaniel, Stephen; MIYAKE-STONER, Shigeki Joseph; ALIAHMAD, Parinaz  
 (74) RnB IP
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 (11) AU-A-2022389987  
 (21) 2022389987 (22) 22.11.2022  
 (54) HETEROCYCLIC SUBSTITUTED 1,3,4-THIADIAZOLE AND PYRIDAZINE COMPOUNDS AND METHODS OF USING THE SAME  
 (51) Int. Cl.  
*A61P 25/28* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/14* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 409/14* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
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*F24F 1/12* ( 2011.01 )  
*F24F 13/20* ( 2006.01 )  
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*G06Q 40/00* ( 2023.01 )  
*G06Q 10/10* ( 2023.01 )  
*G06Q 50/00* ( 2012.01 )  
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*H02G 9/06* ( 2006.01 )  
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*H02G 15/04* ( 2006.01 )  
*H02G 15/14* ( 2006.01 )  
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 (54) NOVEL IONIZABLE LIPIDS AND LIPID NANOPARTICLES AND METHODS OF USING THE SAME

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(51) Int. Cl.  
**F16L 58/10** ( 2006.01 )  
**B29C 55/30** ( 2006.01 )  
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**F16L 57/02** ( 2006.01 )
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**C12N 15/11** ( 2006.01 )  
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**C12Q 1/686** ( 2018.01 )  
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(51) Int. Cl.  
**B65G 47/18** ( 2006.01 )  
**B65D 88/26** ( 2006.01 )  
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**B65D 90/02** ( 2019.01 )  
**B65G 11/12** ( 2006.01 )  
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**G01H 1/00** ( 2006.01 )
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(54) IMPEDANCE ADAPTOR  
(51) Int. Cl.  
**H03H 7/38** ( 2006.01 )  
**H01F 19/04** ( 2006.01 )  
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**H01P 3/08** ( 2006.01 )  
**H03F 1/56** ( 2006.01 )
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- (71)** SCAFA THERMOFORMING GMBH  
**(11)** AU-A-2022396005  
**(21)** 2022396005 **(22)** 19.10.2022  
**(54)** METHOD FOR PRODUCING SHAPED PRODUCTS FROM MULTI-LAYER PAPER, SHAPED PRODUCT MADE OF PAPER, AND DEVICE FOR THE PRODUCTION THEREOF  
**(51)** Int. Cl.  
**D21J 3/00** ( 2006.01 )  
**B29C 51/08** ( 2006.01 )  
**B65D 65/46** ( 2006.01 )  
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**(54)** LOCK MODULE WITH MECHANICAL OVERRIDE  
**(51)** Int. Cl.  
**E05B 47/00** ( 2006.01 )  
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**G07C 9/00** ( 2020.01 )  
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**(74)** James & Wells Intellectual Property
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**(51)** Int. Cl.  
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**A63F 9/12** ( 2006.01 )  
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**(54)** DEVICE FOR REDUCING EXTERIOR PARASITES ON FISH  
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**(54)** METHODS AND USES OF BORON COMPOUNDS IN THE TREATMENT OF NONTUBERCULOUS MYCOBACTERIUM INFECTIONS AND PHARMACEUTICAL COMPOSITIONS FOR TREATMENT OF SAME  
**(51)** Int. Cl.  
**A61K 31/69** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**C07F 5/02** ( 2006.01 )  
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**(72)** WANG, Xinghai; LIU, Shicong; LIU, Jinqian; GORDEEV, Mikhail Fedorovich; YUAN, Zhengyu  
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**(51)** Int. Cl.  
**B23K 9/10** ( 2006.01 )  
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**(72)** PAN, Lei; TERZO, Maurizio; LI, Zhigang  
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**(54)** A modular automated retail store and system  
**(51)** Int. Cl.  
**G06Q 30/0601** ( 2023.01 )  
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**(51)** Int. Cl.  
**C04B 28/14** ( 2006.01 )  
**C04B 28/16** ( 2006.01 )  
**E04B 5/00** ( 2006.01 )  
**E04F 15/12** ( 2006.01 )  
**C04B 111/60** ( 2006.01 )  
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**(31)** 21217189.6 **(32)** 22.12.21 **(33)** EP  
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**(74)** WRAYS PTY LTD
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**(54)** SYSTEM AND METHOD FOR HARVESTING A TENDON  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
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**(74)** Patent Attorney Services
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**(54)** TISSUE REPAIR DEVICES AND METHODS OF USE  
**(51)** Int. Cl.  
**A61B 17/04** ( 2006.01 )  
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**(74)** Patent Attorney Services
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*F25D 29/00* ( 2006.01 )  
*F25D 25/02* ( 2006.01 )  
*G03B 29/00* ( 2021.01 )  
*G06T 7/73* ( 2017.01 )  
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 (72) NAPARSTEK, Sam  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) SYSTEMS AND METHODS FOR SELECTIVE REDOX REACTIONS  
 (51) Int. Cl.  
*B01J 19/08* ( 2006.01 )  
*C07C 27/12* ( 2006.01 )  
*C07C 27/16* ( 2006.01 )  
*C07C 27/26* ( 2006.01 )  
*H05H 1/24* ( 2006.01 )  
 (87) WO2023/114182  
 (31) 63/288,876 (32) 13.12.21 (33) US  
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 (72) SOANE, David, S.  
 (74) RnB IP

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 (54) SYSTEMS AND METHODS FOR NITROGEN FIXATION  
 (51) Int. Cl.  
*C01C 1/04* ( 2006.01 )  
*C01B 21/20* ( 2006.01 )  
*H01J 37/32* ( 2006.01 )  
*H05H 1/46* ( 2006.01 )  
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 (51) Int. Cl.  
*G01N 33/50* ( 2006.01 )  
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(54) CRANIOPLASTY PROSTHESIS AND COMPONENTS THEREFOR  
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*A61F 2/28* ( 2006.01 )  
*A61B 17/80* ( 2006.01 )  
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 (72) LAPOINTE, Simon; IORIO-MORIN, Christian; TOUCHETTE, Charles; BERGERON, Serge  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) METHOD AND DEVICE FOR MEASURING THE PERFORMANCE OF AN EARTH-MOVING MACHINE IN SOIL, AND EARTH-MOVING MACHINE COMPRISING A DEVICE OF SAID TYPE  
 (51) Int. Cl.  
*G01B 11/00* ( 2006.01 )  
*E02F 9/20* ( 2006.01 )  
*G01C 15/00* ( 2006.01 )  
*G06Q 10/0633* ( 2023.01 )  
*H04N 13/00* ( 2018.01 )  
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 (74) Australian Patent & TradeMark Services Pty Ltd

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 (11) AU-A-2022432797  
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 (54) SOIL PARAMETER SENSOR SYSTEM  
 (51) Int. Cl.  
*G01N 33/24* ( 2006.01 )  
*A01B 79/00* ( 2006.01 )  
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*G06V 20/90* ( 2022.01 )  
*G06V 20/50* ( 2022.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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*C07D 233/88* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 A46B 17/06 ( 2006.01 )  
 A47L 13/08 ( 2006.01 )  
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 C04B 14/06 ( 2006.01 )  
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 A61L 2/20 ( 2006.01 )  
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 A61L 2/00 ( 2006.01 )  
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 A61K 9/127 ( 2006.01 )  
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 A61K 35/19 ( 2015.01 )  
 C12N 5/078 ( 2010.01 )  
 A61K 38/46 ( 2006.01 )  
 C12N 15/11 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
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 F17C 1/00 ( 2006.01 )  
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 E02D 15/08 ( 2006.01 )  
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 A23P 10/40 ( 2016.01 )  
 C07H 3/04 ( 2006.01 )  
 C13B 50/00 ( 2011.01 )  
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 H01M 8/18 ( 2006.01 )  
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(54) EXPANDED MULTILAYER INTEGRAL GEOGRIDS AND METHODS OF MAKING AND USING SAME  
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**E02D 3/00** ( 2006.01 )  
**B29C 48/21** ( 2019.01 )  
**B32B 3/26** ( 2006.01 )
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**A61P 3/10** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
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(54) SOLAR PANEL HANDLING SYSTEM  
(51) Int. Cl.  
**B25J 5/00** ( 2006.01 )  
**B25J 9/00** ( 2006.01 )  
**H02S 30/10** ( 2014.01 )  
**B60P 1/48** ( 2006.01 )  
**F24S 25/634** ( 2018.01 )

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 RERA, Luis; ASAMI, Deise Yumi;  
 GANGI, Steve; ANGEVINE, Chris;  
 ROSCOE, Brian; MEILLER, David;  
 BRINEY, Joseph; BOWERS, Adam  
**(74)** Spruson & Ferguson
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- (71)** THE BROAD INSTITUTE, INC.; THE  
 BRIGHAM AND WOMEN'S HOSPITAL,  
 INC.  
**(11)** AU-A-2022391025  
**(21)** 2022391025 **(22)** 18.11.2022  
**(54)** BIFUNCTIONAL CHIMERIC MO-  
 LECULES FOR LABELING OF  
 KINASES WITH TARGET BINDING  
 MOIETIES AND METHODS OF USE  
 THEREOF  
**(51)** Int. Cl.  
*C07D 233/58* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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**(31)** 63/281,538 **(32)** 19.11.21 **(33)** US  
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 Vika; CHAUDHARY, Santosh; SINGH,  
 Prashant; SINGH, Sameek; SHOBA,  
 Veronika; DHAWA, Uttam; MODELL,  
 Ashley; TIWARI, Praveen  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** THE CHEMOURS COMPANY FC, LLC  
**(11)** AU-A-2022419296  
**(21)** 2022419296 **(22)** 20.12.2022  
**(54)** STRETCHED MULTILAYER CATION  
 EXCHANGE MEMBRANES  
**(51)** Int. Cl.  
*H01M 8/18* ( 2006.01 )  
*H01M 8/1023* ( 2016.01 )  
*H01M 8/1039* ( 2016.01 )  
*H01M 8/1053* ( 2016.01 )  
*H01M 8/1062* ( 2016.01 )  
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*H01M 8/10* ( 2016.01 )  
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**(43)** 29.06.2023  
**(72)** YANG, Ruidong; MOFFETT, Robert  
 Harvey; RAIFORD, Michael W;  
 HALUCKA, Allison  
**(74)** Houlihan Intellectual Property Pty Ltd
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- (71)** THE GOVERNMENT OF THE UNITED  
 STATES, AS REPRESENTED BY THE  
 SECRETARY OF THE ARMY; RE-  
 GENTS OF THE UNIVERSITY OF  
 MINNESOTA  
**(11)** AU-A-2023230867  
**(21)** 2023230867 **(22)** 06.01.2023  
**(54)** HEMOSTATIC COMPOSITION CON-  
 TAINING RECOMBINANT HUMAN  
 CLOTTING FACTORS, AND METHOD  
 OF PRODUCING  
**(51)** Int. Cl.
- C12N 9/64** ( 2006.01 )  
**A61K 38/36** ( 2006.01 )  
**C07K 14/745** ( 2006.01 )  
**C07K 14/75** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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**(31)** 63/266,532 **(32)** 07.01.22 **(33)** US  
**(43)** 14.09.2023  
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 Matthew, Joseph; OSBORN, Mark,  
 John; BINGHAM, Jason, Ray; FESER,  
 Colby J.  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2022410636  
**(21)** 2022410636 **(22)** 15.12.2022  
**(54)** SINGLE MOLECULE GENOME- WIDE  
 MUTATION AND FRAGMENTATION  
 PROFILES OF CELL-FREE DNA  
**(51)** Int. Cl.  
*C12Q 1/6809* ( 2018.01 )  
*C12Q 1/6827* ( 2018.01 )  
*C12Q 1/6886* ( 2018.01 )  
*G16B 20/20* ( 2019.01 )  
*C12Q 1/6806* ( 2018.01 )  
**(87)** WO2023/114426  
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 Robert, B.; BRUHM, Daniel, C.  
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 TUTE FOR MEDICAL RESEARCH  
 AND PUBLIC HEALTH LTD  
**(11)** AU-A-2022385082  
**(21)** 2022385082 **(22)** 26.10.2022  
**(54)** ANTIVIRAL AGENT COMPRISING A  
 CELLULAR ENTRY RECEPTOR AND  
 FC REGION COMPONENT  
**(51)** Int. Cl.  
*C12N 9/48* ( 2006.01 )  
*A61K 38/48* ( 2006.01 )  
*A61K 39/42* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
*C07K 16/10* ( 2006.01 )  
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**(31)** 2021903608 **(32)** 11.11.21 **(33)** AU  
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**(72)** HOGARTH, Phillip Mark; WINES, Bruce  
 David  
**(74)** FB Rice Pty Ltd
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**(54)** IMMUNOTHERAPEUTIC PROTEINS  
 COMPRISING AN FC REGION COM-  
 PONENT WITH A MUTATION AT POS-  
 ITION 429  
**(51)** Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 9/48* ( 2006.01 )  
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**(72)** HOGARTH, Phillip Mark; WINES, Bruce  
 David  
**(74)** FB Rice Pty Ltd
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- (71)** THE REGENTS OF THE UNIVERSITY  
 OF CALIFORNIA; FRIEDRICH-AL-  
 EXANDER-UNIVERSITÄT ERLAN-  
 GEN-NÜRNBERG; CHINESE UNI-  
 VERSITY OF HONG KONG, SHEN-  
 ZHEN  
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**(21)** 2022380831 **(22)** 04.11.2022  
**(54)** ALPHA-2A ADRENERGIC RECEPTOR  
 MODULATORS AND USES THEREOF  
**(51)** Int. Cl.  
*A61K 31/33* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61K 31/40* ( 2006.01 )  
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**(31)** 63/276,399 **(32)** 05.11.21 **(33)** US  
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 SEEMANN, Philipp; PFEIFFER, Tara;  
 DU, Yang; XU, Jun  
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 OF CALIFORNIA  
**(11)** AU-A-2022396418  
**(21)** 2022396418 **(22)** 22.11.2022  
**(54)** CELL DELIVERY COMPOSITIONS  
 AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
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 HUNSINGER, John; CARR, Daniel;  
 MARSON, Alexander; NGUYEN, Dav-  
 id-Huy; SAHU, Srishti U.  
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- (71)** THE REGENTS OF THE UNIVERSITY  
 OF COLORADO, A BODY CORPOR-  
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**(54)** SYSTEMS AND METHODS FOR  
 TRANSFERRING FREE FLOWING  
 MATERIAL AND FACILITATING THE  
 REACTION THEREOF  
**(51)** Int. Cl.  
*G01N 35/00* ( 2006.01 )  
*B25J 9/02* ( 2006.01 )  
*B25J 15/08* ( 2006.01 )  
*B25J 15/10* ( 2006.01 )  
*B25J 15/04* ( 2006.01 )  
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C12N 7/01 ( 2006.01 )  
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- (74) FPA Patent Attorneys Pty Ltd
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- (54) METHOD OF ANALYSING A SPECTRAL PEAK USING A NEURAL NETWORK
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G01J 3/28 ( 2006.01 )  
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- (54) OBJECT SHAPED COMBINATION PADLOCK
- (51) Int. Cl.  
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- (72) LAI, Karl
- (74) Adrian M Trioli Patent and Trade Mark Attorney
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B01D 53/14 ( 2006.01 )  
B01D 53/62 ( 2006.01 )  
B01D 53/96 ( 2006.01 )  
B01J 21/18 ( 2006.01 )  
B01J 23/745 ( 2006.01 )  
B01J 31/02 ( 2006.01 )  
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B01J 31/16 ( 2006.01 )  
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- (51) Int. Cl.  
G06F 16/93 ( 2019.01 )  
G06F 3/0482 ( 2013.01 )  
G06F 3/0484 ( 2022.01 )
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- (51) Int. Cl.  
C25B 1/04 ( 2021.01 )  
C25B 1/26 ( 2006.01 )  
C25B 9/01 ( 2021.01 )  
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C25B 9/19 ( 2021.01 )  
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- (74) Griffith Hack
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C25B 1/04 ( 2021.01 )
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C25B 9/19 ( 2021.01 )  
C25B 9/73 ( 2021.01 )  
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A61K 47/32 ( 2006.01 )  
A61K 9/08 ( 2006.01 )  
A61K 35/76 ( 2015.01 )  
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A61K 39/10 ( 2006.01 )  
A61K 39/102 ( 2006.01 )  
A61K 39/12 ( 2006.01 )  
A61K 39/145 ( 2006.01 )  
A61K 39/20 ( 2006.01 )  
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A61K 48/00 ( 2006.01 )  
A61P 31/04 ( 2006.01 )  
A61P 31/06 ( 2006.01 )  
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- (72) KAMISHITA, Taizou; MIYAZAKI, Takashi
- (74) Davies Collison Cave Pty Ltd
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- (54) GAS BARRIER LAMINATE, METHOD FOR MANUFACTURING SAME, AND PACKAGING BAG
- (51) Int. Cl.  
B32B 27/10 ( 2006.01 )  
B32B 9/00 ( 2006.01 )  
B32B 27/30 ( 2006.01 )  
B32B 27/32 ( 2006.01 )  
B32B 29/00 ( 2006.01 )  
B32B 29/06 ( 2006.01 )  
B65D 65/40 ( 2006.01 )  
D21H 19/08 ( 2006.01 )  
D21H 19/20 ( 2006.01 )  
D21H 19/22 ( 2006.01 )



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**(54)** SOLID OXIDE ELECTROLYSIS CELL CORE  
**(51)** Int. Cl.  
**C25B 9/70** ( 2021.01 )  
**C25B 9/00** ( 2021.01 )  
**C25B 15/021** ( 2021.01 )  
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**(54)** SUPPORT STRUCTURE FOR AN OFFSHORE WIND TURBINE AND PROCESS TO INSTALL SAID SUPPORT STRUCTURE  
**(51)** Int. Cl.  
**E02B 17/02** ( 2006.01 )  
**E02B 17/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61P 35/00** ( 2006.01 )  
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**(21)** 2022413261 **(22)** 15.12.2022  
**(54)** ORTHOPEDIC PLATE FOR TREATMENT OF BONE FRACTURES AND RELATED METHODS  
**(51)** Int. Cl.  
**A61B 17/80** ( 2006.01 )
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**(54)** CONTAMINANT TRANSFORMATION AND STABILIZATION SYSTEM  
**(51)** Int. Cl.  
**C02F 1/461** ( 2023.01 )  
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**(72)** AYERS, John; DOGGETT, Patrick  
**(74)** Griffith Hack
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**(54)** NEOADJUVANT USAGE OF PLANT VIRUS OR VIRUS-LIKE PARTICLES FOR CANCER TREATMENT  
**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(87)** WO2023/070129  
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**(74)** Oxygene IP
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**(51)** Int. Cl.  
**G01G 19/414** ( 2006.01 )  
**G06Q 50/12** ( 2012.01 )  
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**(74)** GLMR
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**(54)** FORMULATIONS  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )
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**(43)** 27.04.2023  
**(72)** MARQUETTE, Sarah; PEERBOOM, Claude; BOONEN, Michaël Joseph Edouard  
**(74)** WRAYS PTY LTD
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- (71)** UCB BIOPHARMA SRL  
**(11)** AU-A-2022372646  
**(21)** 2022372646 **(22)** 20.10.2022  
**(54)** FORMULATIONS  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**(87)** WO2023/067049  
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**(43)** 27.04.2023  
**(72)** PEERBOOM, Claude; BOONEN, Michaël Joseph Edouard  
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**(11)** AU-A-2022422572  
**(21)** 2022422572 **(22)** 23.12.2022  
**(54)** DISCERNIBLE CELL SURFACE PROTEIN VARIANTS OF CD45 FOR USE IN CELL THERAPY  
**(51)** Int. Cl.  
**A61P 35/02** ( 2006.01 )  
**A61K 35/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(74)** Dennemeyer & Associates
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**(54)** BIOMARKERS FOR THE PREDICTION OF PRETERM BIRTH  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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(51) Int. Cl.  
*G01N 33/50* ( 2006.01 )  
*C12N 15/115* ( 2010.01 )  
*G01N 27/26* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*C01B 33/113* ( 2006.01 )  
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(72) HEIKENFELD, Jason Charles  
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(54) BCL-XL/BCL-2 DUAL DEGRADERS FOR TREATMENT OF CANCERS  
(51) Int. Cl.  
*C07D 417/12* ( 2006.01 )  
*A61K 31/427* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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*C12N 15/13* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C12N 1/15* ( 2006.01 )  
*C12N 1/19* ( 2006.01 )  
*C12N 1/21* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
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(54) DEUTERATED FUNCTIONALIZED DERIVATIVES OF  $\alpha$ -ALANINE, IN PARTICULAR FOR THE TREATMENT OF NEUROLOGICAL DISEASES  
(51) Int. Cl.
- C07D 207/404* ( 2006.01 )  
*A61K 31/4015* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07B 59/00* ( 2006.01 )  
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(72) KAMIŃSKI, Krzysztof; ABRAM, Michał; KAMIŃSKI, Rafał; JAKUBIEC, Marcin  
(74) Allens Patent & Trade Mark Attorneys
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- (71) UOP LLC  
(11) AU-A-2022405518  
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(54) CURRENT COLLECTOR FOR REDOX FLOW BATTERIES  
(51) Int. Cl.  
*H01M 8/18* ( 2006.01 )  
*H01M 8/0206* ( 2016.01 )  
*H01M 8/0221* ( 2016.01 )  
*H01M 8/0228* ( 2016.01 )  
*H01M 8/24* ( 2016.01 )  
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(74) Patent Attorney Services
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(54) AMMONIA CRACKING PROCESS AND APPARATUS FOR IMPROVED HYDROGEN RECOVERY  
(51) Int. Cl.  
*C01B 3/04* ( 2006.01 )  
*C01B 3/56* ( 2006.01 )  
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(72) RUSSELL, Bradley  
(74) Patent Attorney Services
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*A61K 8/06* ( 2006.01 )  
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| 2021462006 | KILLARA I. P. PTY LTD                                                                                                                                               | 2022374290 | ANHUI HYGEIANCELLS BIOMEDICAL CO. LTD                                                                                                     |
| 2021470452 | BEIJING TONGREN HOSPITAL, CMU                                                                                                                                       | 2022374886 | WINGNUT FILMS PRODUCTIONS LIMITED                                                                                                         |
| 2021471000 | KIMBERLY-CLARK WORLDWIDE, INC.                                                                                                                                      | 2022374959 | IDORSIA PHARMACEUTICALS LTD                                                                                                               |
| 2021471144 | FOOTPRINT INTERNATIONAL, LLC                                                                                                                                        | 2022375141 | AVISI LTD.                                                                                                                                |
| 2021471760 | FOOTPRINT INTERNATIONAL, LLC                                                                                                                                        | 2022375388 | OSAKA UNIVERSITY; QUEL, INC.                                                                                                              |
| 2021472623 | NOKIA TECHNOLOGIES OY                                                                                                                                               | 2022375449 | PARK, M.G.                                                                                                                                |
| 2021473334 | FUTU NETWORK TECHNOLOGY (SHENZHEN) CO., LTD.                                                                                                                        | 2022375634 | TERNS PHARMACEUTICALS, INC.                                                                                                               |
| 2021474749 | MILLER TECHNOLOGY INCORPORATED                                                                                                                                      | 2022375755 | SYNTABIO LLC                                                                                                                              |
| 2021474767 | BGI GENOMICS CO., LTD.                                                                                                                                              | 2022376201 | SAKATA SEED CORPORATION                                                                                                                   |
| 2021474884 | KAWADA INDUSTRIES, INC.                                                                                                                                             | 2022376278 | AVANIR PHARMACEUTICALS, INC.                                                                                                              |
| 2021475416 | SATELIO IOT SERVICES, S.L.                                                                                                                                          | 2022376672 | MATTHEWS INTERNATIONAL CORPORATION                                                                                                        |
| 2021476277 | LINNO PHARMACEUTICALS INC.                                                                                                                                          | 2022376876 | NEUMIC THERAPEUTICS LIMITED                                                                                                               |
| 2021476591 | VIASAT, INC.                                                                                                                                                        | 2022377385 | WINGNUT FILMS PRODUCTIONS LIMITED                                                                                                         |
| 2021476842 | GRST INTERNATIONAL LIMITED                                                                                                                                          | 2022377410 | COLLPLANT LTD.                                                                                                                            |
| 2021477231 | SFI SYSTEM APS                                                                                                                                                      | 2022377421 | EVERLAST TECHNOLOGY PTY LTD                                                                                                               |
| 2021477492 | NIPPON TELEGRAPH AND TELEPHONE CORPORATION                                                                                                                          | 2022378102 | GOO, J.H.                                                                                                                                 |
| 2021478400 | UNIVERSITY OF TSUKUBA; TNAX BIOPHARMA CORPORATION                                                                                                                   | 2022378439 | ALTERGON S.A.                                                                                                                             |
| 2021479170 | METAMORPHOSIS GMBH                                                                                                                                                  | 2022378563 | PON, D.                                                                                                                                   |
| 2021479183 | METTLER-TOLEDO, LLC                                                                                                                                                 | 2022378755 | MONASH UNIVERSITY; THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH                                                                |
| 2021479230 | LANDIS+GYR TECHNOLOGY, INC.                                                                                                                                         | 2022378761 | SOCpra SCIENCES ET GENIE S.E.C.                                                                                                           |
| 2021479272 | VUSIONGROUP GMBH                                                                                                                                                    | 2022378996 | BLUEMATER, S.A.                                                                                                                           |
| 2021479724 | TAIYUAN UNIVERSITY OF TECHNOLOGY; LIBO HEAVY INDUSTRIES SCIENCE & TECHNOLOGY CO., LTD.; TAIYUAN BOSHITONG MACHINERY, ELECTRICAL AND HYDRAULIC ENGINEERING CO., LTD. | 2022379012 | ASTRAZENECA AB                                                                                                                            |
| 2022324620 | ELI LILLY AND COMPANY                                                                                                                                               | 2022379421 | DEXCOM, INC.                                                                                                                              |
| 2022354294 | ARCELORMITTAL                                                                                                                                                       | 2022379877 | KONINKLIJKE PHILIPS N.V.                                                                                                                  |
| 2022368450 | BLUE ECONOMY CRC-CO LTD                                                                                                                                             | 2022379963 | QUORUM INNOVATIONS, LLC                                                                                                                   |
| 2022368452 | NOURISH INGREDIENTS PTY LTD                                                                                                                                         | 2022380076 | SALTS HEALTHCARE LIMITED                                                                                                                  |
| 2022368457 | BARRELWISE TECHNOLOGIES LTD.                                                                                                                                        | 2022380077 | SALTS HEALTHCARE LIMITED                                                                                                                  |
| 2022368541 | GRANFOSS AS                                                                                                                                                         | 2022380173 | KAWASAKI JUKOGYO KABUSHIKI KAISHA                                                                                                         |
| 2022368763 | CIRCINUS MEDICAL TECHNOLOGY LLC                                                                                                                                     | 2022380191 | THE RESEARCH FOUNDATION FOR MICROBIAL DISEASES OF OSAKA UNIVERSITY                                                                        |
| 2022368906 | JANSSEN BIOTECH, INC.                                                                                                                                               | 2022380384 | VISION BOX - SOLUÇÕES DE VISÃO POR COMPUTADOR, S.A.                                                                                       |
| 2022368937 | OHIO STATE INNOVATION FOUNDATION                                                                                                                                    | 2022380831 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG; CHINESE UNIVERSITY OF HONG KONG, SHENZHEN |
| 2022369042 | UCB BIOPHARMA SRL                                                                                                                                                   | 2022380837 | SPRINGWORKS THERAPEUTICS, INC.                                                                                                            |
| 2022369049 | MCNEIL AB                                                                                                                                                           | 2022380839 | FRONTIER MEDICINES CORPORATION                                                                                                            |
| 2022369074 | HIDROGMAR ROS ROCA SLU                                                                                                                                              | 2022380909 | ADCENTRX THERAPEUTICS INC.                                                                                                                |
| 2022369077 | ANDARIAS GARCÍA, J.V.                                                                                                                                               | 2022380979 | FLARE THERAPEUTICS INC.; DAI, D.; ZHENG, B.; WANG, F.; CONG, L.; HUANG, Y.; LI, R.; WANG, X.; WADE, P.                                    |
| 2022369298 | JANSSEN BIOTECH, INC.                                                                                                                                               | 2022381709 | BTL HEALTHCARE TECHNOLOGIES A.S.                                                                                                          |
| 2022369806 | GRANFOSS AS                                                                                                                                                         | 2022381844 | DUCENTIS BIOTHERAPEUTICS LIMITED                                                                                                          |
| 2022369904 | KENNEDY, P.                                                                                                                                                         | 2022381848 | SALTS HEALTHCARE LIMITED                                                                                                                  |
| 2022369980 | GB005, INC.                                                                                                                                                         | 2022381985 | TARGIMMUNE THERAPEUTICS AG                                                                                                                |
| 2022370159 | FOSSIL FREE MARINE EUROPE AB                                                                                                                                        | 2022382396 | AIKIDO TECHNOLOGIES, INC.                                                                                                                 |
| 2022370398 | SAT-COM (PTY) LTD                                                                                                                                                   | 2022382608 | LG ELECTRONICS INC.                                                                                                                       |
| 2022370861 | EDISON ONCOLOGY                                                                                                                                                     | 2022382815 | INTERCONTINENTAL GREAT BRANDS LLC                                                                                                         |
| 2022370909 | VALERIO, T.A.                                                                                                                                                       | 2022382969 | DEXCOM, INC.; UNIVERSITY OF PADOVA                                                                                                        |
| 2022371473 | THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE                                                                                                         | 2022382984 | DEXCOM, INC.                                                                                                                              |
| 2022371686 | TRUSTEES OF DARTMOUTH COLLEGE                                                                                                                                       | 2022383505 | ASTRAZENECA UK LIMITED                                                                                                                    |
| 2022371688 | OHIO STATE INNOVATION FOUNDATION                                                                                                                                    | 2022383633 | LG ELECTRONICS INC.                                                                                                                       |
| 2022372236 | AUSTRALIAN NATIONAL UNIVERSITY                                                                                                                                      | 2022383950 | NANO CATALYTICS, INC.                                                                                                                     |
| 2022372477 | SODEX INNOVATIONS GMBH                                                                                                                                              | 2022384157 | ATLANTIC PACIFIC EQUIPMENT, LLC.                                                                                                          |
| 2022372646 | UCB BIOPHARMA SRL                                                                                                                                                   | 2022385082 | THE MACFARLANE BURNET INSTITUTE FOR MEDICAL RESEARCH AND PUBLIC HEALTH LTD                                                                |
| 2022372720 | GRANFOSS AS                                                                                                                                                         | 2022385088 | NEWSOUTH INNOVATIONS PTY LIMITED; THE UNIVERSITY OF SYDNEY                                                                                |
| 2022372722 | STANLEY, B.                                                                                                                                                         | 2022386073 | BAKER HUGHES OILFIELD OPERATIONS LLC                                                                                                      |
| 2022373162 | ESSLINGER, D.                                                                                                                                                       | 2022386233 | STRM.BIO INCORPORATED                                                                                                                     |
| 2022373353 | PANTEL, R.J.                                                                                                                                                        | 2022386314 | AMGEN INC.                                                                                                                                |
| 2022373462 | X DEVELOPMENT LLC                                                                                                                                                   | 2022386387 | CASE WESTERN RESERVE UNIVERSITY                                                                                                           |
| 2022373526 | X DEVELOPMENT LLC                                                                                                                                                   | 2022386562 | ST ENGINEERING AETHON, INC.                                                                                                               |
| 2022373729 | EVONIK OPERATIONS GMBH                                                                                                                                              | 2022386652 | ELECTRA THERAPEUTICS, INC.                                                                                                                |
| 2022374107 | RHOMBERG SERSA DEUTSCHLAND GMBH                                                                                                                                     | 2022387109 | AUSTIN MEDICAL VENTURES, INC.                                                                                                             |
| 2022374232 | YOOCHOOZ APPS PTY LTD                                                                                                                                               |            |                                                                                                                                           |
| 2022374234 | FORTESCUE FUTURE INDUSTRIES PTY LTD                                                                                                                                 |            |                                                                                                                                           |
| 2022374245 | ALL SKIN INC.                                                                                                                                                       |            |                                                                                                                                           |

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| 2022387275 | THE MACFARLANE BURNET INSTITUTE FOR MEDICAL RESEARCH AND PUBLIC HEALTH LTD                                                      | 2022395078 | MOLECULIGHT INC.                                                                     |
| 2022387493 | ARCUTIS BIOTHERAPEUTICS, INC.                                                                                                   | 2022395232 | ICEYE OY                                                                             |
| 2022387582 | SPORTS DATA LABS, INC.                                                                                                          | 2022395238 | BASF SE                                                                              |
| 2022387814 | OCADO INNOVATION LIMITED                                                                                                        | 2022395257 | VERRANDO, M.                                                                         |
| 2022388796 | LITRICITY GMBH                                                                                                                  | 2022395366 | FRANKE TECHNOLOGY AND TRADEMARK LTD                                                  |
| 2022388844 | VERDERG RENEWABLE ENERGY LIMITED                                                                                                | 2022395383 | ARGO GMBH                                                                            |
| 2022388943 | DUPONT NUTRITION BIOSCIENCES APS; NUTRITION & BIOSCIENCES USA 4, INC.; DANISCO SWEETENERS OY; DANISCO USA INC.; DANISCO UK LTD. | 2022395483 | SPANSET INTER AG                                                                     |
| 2022389008 | L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE                                       | 2022395633 | LAMILUX COMPOSITES GMBH                                                              |
| 2022389038 | CPC AG                                                                                                                          | 2022395766 | CHR. HANSEN A/S                                                                      |
| 2022389042 | SUPERNODE LTD                                                                                                                   | 2022395811 | HEINEKEN SUPPLY CHAIN B.V.                                                           |
| 2022389474 | VEGANICKS LIMITED                                                                                                               | 2022395821 | UNIWERSYTET JAGIELLOŃSKI                                                             |
| 2022389530 | BIOTHEUS INC.                                                                                                                   | 2022395830 | HUSQVARNA AB                                                                         |
| 2022389532 | THE UNIVERSITY OF MELBOURNE                                                                                                     | 2022395958 | REMEDY ROBOTICS, INC.                                                                |
| 2022389627 | AUTOBIO LABTEC INSTRUMENTS CO., LTD.                                                                                            | 2022396005 | SCAFA THERMOFORMING GMBH                                                             |
| 2022389637 | BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD.                                                                                    | 2022396032 | UNIVERSITY OF CINCINNATI                                                             |
| 2022389638 | BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD.                                                                                    | 2022396068 | PROGRESS RAIL SERVICES CORPORATION                                                   |
| 2022389961 | INCYTE CORPORATION                                                                                                              | 2022396138 | VISA INTERNATIONAL SERVICE ASSOCIATION                                               |
| 2022389987 | RGENTA THERAPEUTICS, INC.                                                                                                       | 2022396146 | THOMSON REUTERS ENTERPRISE CENTRE GMBH                                               |
| 2022390054 | NOVAVAX AB; NOVAVAX, INC.                                                                                                       | 2022396157 | CARDIOFOCUS, INC.                                                                    |
| 2022390084 | DOW GLOBAL TECHNOLOGIES LLC                                                                                                     | 2022396223 | COMPASS PATHFINDER LIMITED                                                           |
| 2022390101 | KANGBAIDA (SICHUAN) BIOTECHNOLOGY CO., LTD.                                                                                     | 2022396224 | COMPASS PATHFINDER LIMITED                                                           |
| 2022390137 | MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH                                                                              | 2022396239 | TEVA PHARMACEUTICALS INTERNATIONAL GMBH                                              |
| 2022390228 | ADVANCE ZINCTEK LIMITED                                                                                                         | 2022396263 | COGWEAR, INC.                                                                        |
| 2022390313 | SOTER BIOPHARMA PTE. LTD.                                                                                                       | 2022396272 | DANA-FARBER CANCER INSTITUTE, INC.                                                   |
| 2022390580 | XUZHOU XCMG CONSTRUCTION MACHINERY CO., LTD.                                                                                    | 2022396298 | CUBICPV INC.                                                                         |
| 2022390804 | NEXTRACKER LLC                                                                                                                  | 2022396391 | CARGILL, INCORPORATED                                                                |
| 2022390891 | CYBREXA 4, INC.                                                                                                                 | 2022396417 | BELITE BIO, INC                                                                      |
| 2022390897 | NINURTA INC.                                                                                                                    | 2022396418 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA                                          |
| 2022390900 | ENERGY EXPLORATION TECHNOLOGIES, INC.                                                                                           | 2022396536 | ADARX PHARMACEUTICALS, INC.                                                          |
| 2022391025 | THE BROAD INSTITUTE, INC.; THE BRIGHAM AND WOMEN'S HOSPITAL, INC.                                                               | 2022396547 | REPLICATE BIOSCIENCE, INC.                                                           |
| 2022391140 | COMMISSARIAT A L'ENERGIE ATOMATIQUE ET AUX ENERGIES ALTERNATIVES; COLAS                                                         | 2022396650 | FUJITSU GENERAL LIMITED                                                              |
| 2022391677 | SAIL BIOMEDICINES, INC.                                                                                                         | 2022396753 | SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED                                        |
| 2022391709 | REGENERON PHARMACEUTICALS, INC.                                                                                                 | 2022396778 | BAE SYSTEMS PLC                                                                      |
| 2022392186 | NATREON, INC.                                                                                                                   | 2022396783 | LARIO THERAPEUTICS LIMITED                                                           |
| 2022392685 | BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD.                                                                                    | 2022396948 | MCGRX CORP.                                                                          |
| 2022392687 | BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD.                                                                                    | 2022397098 | HEBEI JINGLONG INTELLIGENT EQUIPMENT CO., LTD.                                       |
| 2022392835 | RELIANCE WORLDWIDE CORPORATION (AUST.) PTY. LTD.                                                                                | 2022397132 | ORICA INTERNATIONAL PTE LTD                                                          |
| 2022393096 | L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE                                       | 2022397239 | KUMQUAT BIOSCIENCES INC.                                                             |
| 2022393170 | ACUITY SURGICAL DEVICES LLC                                                                                                     | 2022397270 | QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.                     |
| 2022393234 | CYBIN UK LTD                                                                                                                    | 2022397307 | FULL-LIFE TECHNOLOGIES HK LIMITED                                                    |
| 2022393281 | ZEPHIR S.P.A.                                                                                                                   | 2022397317 | PANAVISION INTERNATIONAL, L.P.                                                       |
| 2022393518 | MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH                                                                              | 2022397400 | INVETX, INC.                                                                         |
| 2022393742 | EVOPOINT BIOSCIENCES CO., LTD.                                                                                                  | 2022397461 | BEDNAR FMT S.R.O.                                                                    |
| 2022393853 | ATLANTIC PACIFIC EQUIPMENT, LLC.                                                                                                | 2022397695 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. |
| 2022393902 | ENVOLA GMBH                                                                                                                     | 2022397710 | BEDNAR FMT S.R.O.                                                                    |
| 2022393945 | CHEMSTONE, INC.                                                                                                                 | 2022397810 | WOAS SA                                                                              |
| 2022394025 | ENVOLA GMBH                                                                                                                     | 2022397920 | VERRANDO, M.                                                                         |
| 2022394091 | ASSA ABLOY (SCHWEIZ) AG                                                                                                         | 2022398081 | CATERPILLAR INC.                                                                     |
| 2022394196 | H&O BIOSIS CO., LTD.                                                                                                            | 2022398118 | LANXESS DEUTSCHLAND GMBH                                                             |
| 2022394525 | VIASAT, INC.                                                                                                                    | 2022398127 | CHR. HANSEN A/S                                                                      |
| 2022394553 | TRUCLEAR WATER SOLUTIONS, INC.                                                                                                  | 2022398191 | FONDAZIONE CENTRO SERVIZI ALLA PERSONA; INNOCENZI, P.; MALFATTI, L.; ECOAIDA S.R.L.  |
| 2022394660 | FOCHON BIOSCIENCES, LTD.                                                                                                        | 2022398219 | COMPASS PATHFINDER LIMITED                                                           |
| 2022395006 | SCHLAGE LOCK COMPANY LLC                                                                                                        | 2022398221 | ELC MANAGEMENT LLC                                                                   |
|            |                                                                                                                                 | 2022398241 | PRIME MEDICINE, INC.                                                                 |
|            |                                                                                                                                 | 2022398274 | MÖLNLYCKE HEALTH CARE AB                                                             |
|            |                                                                                                                                 | 2022398322 | CUBICPV INC.                                                                         |
|            |                                                                                                                                 | 2022398348 | PHENIX REAL TIME SOLUTIONS, INC.                                                     |
|            |                                                                                                                                 | 2022398356 | STERIFRE MEDICAL, INC.                                                               |
|            |                                                                                                                                 | 2022398450 | SAIL BIOMEDICINES, INC.                                                              |
|            |                                                                                                                                 | 2022398473 | AEROSTAR INTERNATIONAL, LLC                                                          |
|            |                                                                                                                                 | 2022398485 | HICKEY, R.                                                                           |
|            |                                                                                                                                 | 2022398491 | GRAIL, LLC                                                                           |
|            |                                                                                                                                 | 2022398493 | HOYA OPTICAL LABS OF AMERICA, INC.                                                   |
|            |                                                                                                                                 | 2022398496 | BOOK.IO, INC.                                                                        |
|            |                                                                                                                                 | 2022398499 | REPLICATE BIOSCIENCE, INC.                                                           |
|            |                                                                                                                                 | 2022398509 | DENDRA SYSTEMS LTD.                                                                  |

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| 2022398570 | OJI HOLDINGS CORPORATION                                           | 2022405648 | ARCHROMA IP GMBH; GEORG-AU-GUST-UNIVERSITÄT GÖTTINGEN STIFTUNG ÖFFENTLICHEN RECHTS             |
| 2022398624 | MONSANTO TECHNOLOGY LLC                                            | 2022405688 | B.R.A.H.M.S GMBH; UNIVERSITÉ LAVAL                                                             |
| 2022398628 | IO THERAPEUTICS, INC.                                              | 2022405704 | JENOPTIK ROBOT GMBH                                                                            |
| 2022398664 | KOMATSU LTD.                                                       | 2022405775 | ST EQUIPMENT & TECHNOLOGY LLC                                                                  |
| 2022398687 | IRONWOOD PHARMACEUTICALS, INC.                                     | 2022406037 | PETNOW INC.                                                                                    |
| 2022398991 | ZIPWALL, LLC                                                       | 2022407060 | COLGATE-PALMOLIVE COMPANY                                                                      |
| 2022399023 | HEINEKEN SUPPLY CHAIN B.V.                                         | 2022407167 | SANDBOX ENTERPRISES, LLC                                                                       |
| 2022399055 | RED ROCK REGENERATION INC.                                         | 2022407314 | UOP LLC                                                                                        |
| 2022399121 | TRANSTHERA SCIENCES (NANJING), INC.                                | 2022407454 | IO THERAPEUTICS, INC.; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM                        |
| 2022399451 | CHILDREN'S HOSPITAL MEDICAL CENTER; RIKEN                          | 2022407711 | GENETIC TECHNOLOGIES LIMITED                                                                   |
| 2022399569 | MANNKIND CORPORATION                                               | 2022407802 | NICOVENTURES TRADING LIMITED                                                                   |
| 2022399832 | VISTERRA, INC.; THE CHILDREN'S HOSPITAL OF PHILADELPHIA            | 2022408074 | MONOSOL, LLC                                                                                   |
| 2022400026 | BELKIN VISION LTD.                                                 | 2022408160 | IO THERAPEUTICS, INC.; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM                        |
| 2022400064 | PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA             | 2022408167 | REGENERON PHARMACEUTICALS, INC.                                                                |
| 2022400241 | SUBSEA 7 NORWAY AS                                                 | 2022408170 | INTRAMOTEV INC.                                                                                |
| 2022400604 | LIVEARENA TECHNOLOGIES AB                                          | 2022408985 | Y-MABS THERAPEUTICS, INC.                                                                      |
| 2022400770 | NEXTRACKER LLC                                                     | 2022409165 | INTERDIGITAL VC HOLDINGS, INC.                                                                 |
| 2022400779 | SCHLAPIK, K.D.                                                     | 2022409306 | ASCENDIS PHARMA ONCOLOGY DIVISION A/S                                                          |
| 2022400858 | ENERGIZER AUTO, INC.                                               | 2022409335 | SOANE LABS, LLC                                                                                |
| 2022400873 | CATERPILLAR INC.                                                   | 2022409339 | CARBOGENESIS LLC                                                                               |
| 2022401207 | TOKO YAKUHIN KOGYO CO., LTD.                                       | 2022409413 | ABIOMED EUROPE GMBH                                                                            |
| 2022401378 | MOTOROLA SOLUTIONS, INC.                                           | 2022409504 | SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED |
| 2022401514 | CATERPILLAR INC.                                                   | 2022409802 | INTERIUS BIOTHERAPEUTICS, INC.                                                                 |
| 2022401529 | 374WATER INC.                                                      | 2022410082 | ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL)                                                      |
| 2022401642 | LIVEARENA TECHNOLOGIES AB                                          | 2022410233 | UNIVERSITÉ LAVAL; CEZANNE S.A.S.; B.R.A.H.M.S GMBH                                             |
| 2022401645 | CELLIGENICS PTE LTD.                                               | 2022410329 | THERMO FISHER SCIENTIFIC (BREMEN) GMBH                                                         |
| 2022401691 | MARS, INCORPORATED                                                 | 2022410347 | PHION THERAPEUTICS LTD                                                                         |
| 2022401715 | CATERPILLAR INC.                                                   | 2022410395 | BIOPOLIS, S. L.                                                                                |
| 2022401834 | ECOLAB USA INC.                                                    | 2022410636 | THE JOHNS HOPKINS UNIVERSITY                                                                   |
| 2022401847 | VERTEX PHARMACEUTICALS INCORPORATED                                | 2022410656 | NOVARTIS AG                                                                                    |
| 2022401848 | HEXAS BIOMASS INC.                                                 | 2022411668 | LG ELECTRONICS INC.                                                                            |
| 2022401983 | GEOQUEST SYSTEMS B.V.                                              | 2022412170 | CASIO COMPUTER CO., LTD.                                                                       |
| 2022401986 | MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH                 | 2022412918 | Y-MABS THERAPEUTICS, INC.                                                                      |
| 2022402004 | SNWC, INC.                                                         | 2022413143 | JUVA LIFE, INC.                                                                                |
| 2022402128 | ILLINOIS TOOL WORKS INC.                                           | 2022413160 | COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN                                                 |
| 2022402192 | RWE OFFSHORE WIND GMBH                                             | 2022413261 | TRILLIANT SURGICAL LLC                                                                         |
| 2022402254 | MANIC IRON TECHNOLOGY PROPRIETARY LIMITED                          | 2022413461 | MOLECULAR PARTNERS AG                                                                          |
| 2022402407 | TURUN YLIPISTO                                                     | 2022413653 | NICOVENTURES TRADING LIMITED                                                                   |
| 2022402830 | 374WATER INC.                                                      | 2022413724 | SAIPEM S.A.                                                                                    |
| 2022402850 | SUTRO BIOPHARMA, INC.                                              | 2022413833 | SUBSEA 7 NORWAY AS                                                                             |
| 2022402994 | BOSTON SCIENTIFIC NEUROMODULATION CORPORATION                      | 2022413914 | WESTROCK PACKAGING SYSTEMS, LLC                                                                |
| 2022403012 | GILEAD SCIENCES, INC.                                              | 2022414974 | ARCREAL INC.                                                                                   |
| 2022403121 | DROPLET GENOMICS, UAB                                              | 2022415318 | SOANE TECHNOLOGIES, LLC                                                                        |
| 2022403154 | FUNDACIÓ HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA | 2022415400 | ASSA ABLOY ENTRANCE SYSTEMS AB                                                                 |
| 2022403229 | SOLCOLD LTD.                                                       | 2022415492 | SYNGENTA CROP PROTECTION AG                                                                    |
| 2022403269 | SUMITOMO ELECTRIC INDUSTRIES, LTD.                                 | 2022416060 | COLGATE-PALMOLIVE COMPANY                                                                      |
| 2022403464 | KONGSBERG MARITIME AS                                              | 2022416886 | NICOVENTURES TRADING LIMITED                                                                   |
| 2022403477 | CHEMETICS INC.                                                     | 2022418180 | THYSSENKRUPP NUCERA AG & CO. KGAA                                                              |
| 2022403548 | MOTOROLA SOLUTIONS, INC.                                           | 2022418339 | KEMIRA OYJ                                                                                     |
| 2022403751 | NICOVENTURES TRADING LIMITED                                       | 2022418369 | NICOVENTURES TRADING LIMITED                                                                   |
| 2022403806 | ASAHI KASEI KABUSHIKI KAISHA                                       | 2022418503 | SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED |
| 2022404362 | COLGATE-PALMOLIVE COMPANY                                          | 2022418817 | SIKA TECHNOLOGY AG                                                                             |
| 2022404522 | Y-MABS THERAPEUTICS, INC.                                          | 2022418895 | IFP ENERGIES NOUVELLES                                                                         |
| 2022404606 | SAFE METAL                                                         | 2022419227 | SAINT-GOBAIN PLACO                                                                             |
| 2022404703 | ABIOMED EUROPE GMBH                                                | 2022419296 | THE CHEMOURS COMPANY FC, LLC                                                                   |
| 2022404755 | THYSSENKRUPP NUCERA AG & CO. KGAA                                  | 2022419348 | FRACTYL HEALTH, INC.                                                                           |
| 2022404890 | ONCOBIX CO., LTD.                                                  | 2022419430 | NICOVENTURES TRADING LIMITED                                                                   |
| 2022404964 | STEINBRONN, J.M.; MAAG, B.M.                                       | 2022419503 | UOP LLC                                                                                        |
| 2022404977 | THE AES CORPORATION                                                | 2022419538 | DOMPE' FARMACEUTICI S.P.A.                                                                     |
| 2022405016 | UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED            | 2022419982 | GILEAD SCIENCES, INC.                                                                          |
| 2022405390 | KO, C.                                                             | 2022420031 | ORIENTAL RECREATIONAL PRODUCTS (SHANGHAI) CO., LTD                                             |
| 2022405455 | EQUIFAX INC.                                                       |            |                                                                                                |
| 2022405518 | UOP LLC                                                            |            |                                                                                                |
| 2022405531 | AXOSIM, INC.                                                       |            |                                                                                                |



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| 2022420192 | TOPPAN HOLDINGS INC.                                                                                               | 2023205216 | ZODIAC POOL SYSTEMS LLC                                                                                                  |
| 2022420305 | DE' LONGHI APPLIANCES S.R.L.                                                                                       | 2023205910 | AVALO THERAPEUTICS, INC.                                                                                                 |
| 2022420316 | TOPSOE A/S                                                                                                         | 2023206881 | ROYALTY & STREAMING ADVISORS HOLDINGS, LLC                                                                               |
| 2022420381 | TOTALENERGIES ONETECH                                                                                              | 2023207099 | RHEEM MANUFACTURING COMPANY                                                                                              |
| 2022420665 | ZEALAND PHARMA A/S                                                                                                 | 2023207652 | SCHLAPIK, K.D.                                                                                                           |
| 2022420736 | SÜDZUCKER AG                                                                                                       | 2023209456 | LOCKHEED MARTIN ENERGY, LLC                                                                                              |
| 2022420809 | FRONIUS INTERNATIONAL GMBH                                                                                         | 2023210793 | KIRA PHARMACEUTICALS (SUZHOU) LTD.; THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                                       |
| 2022420823 | DOMPE' FARMACEUTICI S.P.A.                                                                                         | 2023216769 | TAYA CANVAS (SHANGHAI) COMPANY LTD                                                                                       |
| 2022421015 | NICOVENTURES TRADING LIMITED                                                                                       | 2023219153 | EXXONMOBIL CHEMICAL PATENTS INC.                                                                                         |
| 2022421161 | TENSAR INTERNATIONAL CORPORATION                                                                                   | 2023225421 | YOSHINO GYPSUM CO., LTD.                                                                                                 |
| 2022421489 | INTERVET INTERNATIONAL B.V.                                                                                        | 2023225965 | BOSTON SCIENTIFIC SCIMED, INC.                                                                                           |
| 2022421654 | ENERGYINTEL SERVICES LTD                                                                                           | 2023230867 | THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE ARMY; REGENTS OF THE UNIVERSITY OF MINNESOTA |
| 2022421831 | GRAPHIC PACKAGING INTERNATIONAL, LLC                                                                               | 2023239479 | DREAME INNOVATION TECHNOLOGY (SUZHOU) CO., LTD.                                                                          |
| 2022421842 | RAYTHEON COMPANY                                                                                                   | 2023252102 | DREAME INNOVATION TECHNOLOGY (SUZHOU) CO., LTD.                                                                          |
| 2022422176 | F. HOFFMANN-LA ROCHE AG                                                                                            | 2023258016 | BERMAN, T.J.; BERMAN, R.F.                                                                                               |
| 2022422207 | AUSTRALIAN NATIVE MUSICAL INSTRUMENTS PTY LTD                                                                      | 2023272512 | WING AVIATION LLC                                                                                                        |
| 2022422436 | KEMIRA OYJ                                                                                                         | 2023287202 | SHANGHAI MICURX PHARMACEUTICAL CO., LTD.                                                                                 |
| 2022422537 | NOVOZYMES A/S                                                                                                      | 2023293476 | HUNTER, D.                                                                                                               |
| 2022422572 | UNIVERSITÄT BASEL; CIMEIO THERAPEUTICS AG                                                                          | 2023308724 | SUZHOU RONGKE POWER CO., LTD.                                                                                            |
| 2022423069 | NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY; DE NORA PERMELEC LTD                                 | 2023349282 | NINGBO FOTILE KITCHEN WARE CO., LTD.                                                                                     |
| 2022423389 | WILHELM LAYHER VERWALTUNGS-GMBH                                                                                    |            |                                                                                                                          |
| 2022423917 | SYNGENTA CROP PROTECTION AG                                                                                        |            |                                                                                                                          |
| 2022424272 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022424273 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022424299 | CONSTRUCTION RESEARCH & TECHNOLOGY GMBH                                                                            |            |                                                                                                                          |
| 2022425066 | PROVECTUS PHARMATECH, INC; UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION                                             |            |                                                                                                                          |
| 2022425344 | NOAH MEDICAL CORPORATION                                                                                           |            |                                                                                                                          |
| 2022425415 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022425416 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022425541 | ATAI THERAPEUTICS, INC.                                                                                            |            |                                                                                                                          |
| 2022426582 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022426583 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022427366 | NANJING CHERVON INDUSTRY CO., LTD.                                                                                 |            |                                                                                                                          |
| 2022428809 | HUAWEI TECHNOLOGIES CO., LTD.                                                                                      |            |                                                                                                                          |
| 2022429460 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022429461 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022429891 | SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                                                                                   |            |                                                                                                                          |
| 2022429904 | ASTRAZENECA UK LIMITED; DAIICHI SANKYO COMPANY, LIMITED                                                            |            |                                                                                                                          |
| 2022429985 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022429986 | REC SOLAR PTE. LTD.                                                                                                |            |                                                                                                                          |
| 2022430104 | THE SUN LOCK COMPANY LIMITED                                                                                       |            |                                                                                                                          |
| 2022431028 | AKTIEBOLAGET SKF; SKF AUSTRALIA PTY LTD                                                                            |            |                                                                                                                          |
| 2022431750 | ZTE CORPORATION                                                                                                    |            |                                                                                                                          |
| 2022432797 | SOIL IN FORMATION, PBC                                                                                             |            |                                                                                                                          |
| 2022434213 | KUBOTA CORPORATION                                                                                                 |            |                                                                                                                          |
| 2022434378 | KUBOTA CORPORATION                                                                                                 |            |                                                                                                                          |
| 2022434462 | HUSQVARNA AB                                                                                                       |            |                                                                                                                          |
| 2022434487 | ZTE CORPORATION                                                                                                    |            |                                                                                                                          |
| 2022436019 | KUBOTA CORPORATION                                                                                                 |            |                                                                                                                          |
| 2022438411 | mitsubishi Electric Corporation                                                                                    |            |                                                                                                                          |
| 2022438471 | INSTITUTE OF COTTON RESEARCH OF CAAS                                                                               |            |                                                                                                                          |
| 2022438540 | CERAMIC DATA SOLUTIONS GMBH                                                                                        |            |                                                                                                                          |
| 2022442074 | YOU CARE PHARMACEUTICAL GROUP CO., LTD.                                                                            |            |                                                                                                                          |
| 2022447730 | XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.                                                                 |            |                                                                                                                          |
| 2022450021 | LIU, W.                                                                                                            |            |                                                                                                                          |
| 2022452006 | ZTE CORPORATION                                                                                                    |            |                                                                                                                          |
| 2022456592 | CCTEG BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD.; BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO., LTD. |            |                                                                                                                          |
| 2022472191 | CHI BIOTECH CO., LTD.                                                                                              |            |                                                                                                                          |
| 2022483348 | LG ELECTRONICS INC.                                                                                                |            |                                                                                                                          |
| 2022483841 | SHENZHEN JASIC TECHNOLOGY CO., LTD.; JASIC TECHNOLOGY EUROPE S.R.L.                                                |            |                                                                                                                          |
| 2023201169 | Shoalter Automation Limited                                                                                        |            |                                                                                                                          |
| 2023204777 | JOHNSON CONTROLS TYCO IP HOLDINGS LLP                                                                              |            |                                                                                                                          |

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| 2022404964               | 2022408167               |                          |                          | 2022392685               | 2023287202               |
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| 2022369077               | 2022401691               | <b><u>A47F 7 /-</u></b>  | 2022380837               | 2022380837               | 2022390313               |
|                          |                          | 2022379421               | 2022380839               | 2022380839               | 2022396418               |
| <b><u>A01G 9 /-</u></b>  | <b><u>A23G 3 /-</u></b>  | 2022382608               | 2022380909               | 2022380909               | 2022397307               |
| 2021474884               | 2022401691               | 2022411668               | 2022380979               | 2022380979               | 2022398687               |
| 2022369077               |                          |                          | 2022383505               | 2022383505               | 2022399055               |
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| 2022386652              | 2022375141              | <b><u>A61N 5/-</u></b>  | 2022403012              | <b><u>A61P 43/-</u></b> |                         |
| 2022389530              | 2022376876              |                         | 2022420665              |                         | <b><u>B01J 19/-</u></b> |
| 2022390054              | 2022379012              | 2022371686              | 2022421489              | 2022379012              |                         |
| 2022397400              | 2022380837              | 2022376876              | 2022442074              |                         | 2022369074              |
| 2022401207              | 2022386233              | 2022381709              | 2023287202              | <b><u>A61P 7/-</u></b>  | 2022403477              |
| 2022404522              | 2022387493              |                         |                         |                         | 2022409335              |
| 2022408985              | 2022390137              | <b><u>A61N 7/-</u></b>  | <b><u>A61P 33/-</u></b> | 2023210793              | 2022419538              |
| 2022412918              | 2022391677              |                         |                         |                         |                         |
| 2023205910              | 2022393234              | 2022376876              | 2022390054              | <b><u>A61Q 11/-</u></b> | <b><u>B01J 20/-</u></b> |
| 2023210793              | 2022393518              |                         |                         | 2022404362              | 2022401848              |
| <b><u>A61K 41/-</u></b> | 2022398450              | <b><u>A61P 1/-</u></b>  | <b><u>A61P 35/-</u></b> |                         |                         |
|                         | 2022398687              |                         |                         | <b><u>A61Q 17/-</u></b> | <b><u>B01J 21/-</u></b> |
| 2022376876              | 2022401207              | 2022374290              | 2022368906              |                         |                         |
| 2022396948              | 2022401986              | 2022375634              | 2022368937              | 2022389474              | 2022389532              |
| 2022425066              | 2022410347              | 2022390313              | 2022369298              | 2022390228              |                         |
|                         | 2022420823              | <b><u>A61P 11/-</u></b> | 2022369980              |                         | <b><u>B01J 23/-</u></b> |
| <b><u>A61K 45/-</u></b> | 2022421489              |                         | 2022370861              | <b><u>A61Q 19/-</u></b> |                         |
|                         |                         | 2023205910              | 2022371686              |                         | 2022372236              |
| 2022389961              | <b><u>A61L 2/-</u></b>  | <b><u>A61P 13/-</u></b> | 2022374959              | 2022403154              | 2022389532              |
| 2022393234              | 2022398356              |                         | 2022378755              | <b><u>A61Q 5/-</u></b>  | <b><u>B01J 31/-</u></b> |
|                         |                         | 2022397695              | 2022380837              |                         |                         |
| <b><u>A61K 47/-</u></b> | <b><u>A61L 27/-</u></b> | 2022401847              | 2022380839              | 2022407060              | 2022389532              |
|                         |                         |                         | 2022380979              |                         |                         |
| 2022368937              | 2022377410              | <b><u>A61P 15/-</u></b> | 2022381985              | <b><u>A62B 1/-</u></b>  | <b><u>B01J 35/-</u></b> |
| 2022369042              | 2022390137              |                         | 2022386652              |                         |                         |
| 2022372646              |                         | 2022392186              | 2022389530              | 2022395483              | 2022372236              |
| 2022379012              | <b><u>A61M 13/-</u></b> |                         | 2022389961              | <b><u>A63B 37/-</u></b> | 2022389532              |
| 2022381985              |                         | <b><u>A61P 17/-</u></b> | 2022390101              |                         |                         |
| 2022386314              | 2021462006              |                         | 2022390891              | 2022373162              | <b><u>B01J 37/-</u></b> |
| 2022387493              |                         | 2022401645              | 2022391025              |                         |                         |
| 2022390137              | <b><u>A61M 15/-</u></b> | 2022401986              | 2022394196              | <b><u>A63B 43/-</u></b> | 2022372236              |
| 2022390891              |                         |                         | 2022394660              |                         |                         |
| 2022391677              | 2022413653              | <b><u>A61P 19/-</u></b> | 2022396239              | <b><u>A63B 69/-</u></b> | <b><u>B01J 38/-</u></b> |
| 2022393234              | 2022416886              |                         | 2022396272              | 2022373162              |                         |
| 2022393518              | <b><u>A61M 25/-</u></b> | 2022390137              | 2022397239              |                         | 2022372236              |
| 2022396032              |                         | 2022392186              | 2022397307              | <b><u>A63B 9/-</u></b>  | <b><u>B01J 8/-</u></b>  |
| 2022398450              | 2022404703              | 2022399055              | 2022397695              | 2022373162              |                         |
| 2022401207              | 2022409413              | <b><u>A61P 25/-</u></b> | 2022398628              |                         | 2022418895              |
| 2022402850              | 2022425344              |                         | 2022399121              | <b><u>A63F 9/-</u></b>  |                         |
| 2022409306              |                         | 2021476277              | 2022401847              |                         | <b><u>B03B 5/-</u></b>  |
| 2022409802              | <b><u>A61M 35/-</u></b> | 2022376278              | 2022402850              | 2022400779              |                         |
| 2022410347              |                         | 2022376876              | 2022404522              | 2023207652              | 2022370909              |
| 2022429904              | 2022374245              | 2022389987              | 2022404890              |                         |                         |
| 2022442074              |                         | 2022389987              | 2022405016              | <b><u>A63H 33/-</u></b> | <b><u>B03B 7/-</u></b>  |
| <b><u>A61K 48/-</u></b> | <b><u>A61M 37/-</u></b> | 2022393234              | 2022407454              |                         |                         |
|                         |                         | 2022395821              | 2022408160              | 2022400779              | 2022370909              |
| 2022401207              | 2022374245              | 2022396783              | 2022408985              | <b><u>A63H 7/-</u></b>  | <b><u>B03B 9/-</u></b>  |
| <b><u>A61K 49/-</u></b> | <b><u>A61M 39/-</u></b> | 2022396948              | 2022409306              |                         |                         |
|                         |                         | 2022410395              | 2022409802              | 2022400779              | 2022370909              |
| 2022376876              | 2022404703              | 2022425541              | 2022410347              |                         |                         |
| <b><u>A61K 6/-</u></b>  | <b><u>A61M 5/-</u></b>  | <b><u>A61P 27/-</u></b> | 2022419982              | <b><u>B01D 19/-</u></b> | <b><u>B05D 1/-</u></b>  |
|                         |                         |                         | 2022422572              | 2022418895              | 2021471144              |
| 2022425066              | 2022391709              | 2022396417              | 2022429904              |                         |                         |
|                         |                         | 2022420823              | 2022472191              | <b><u>B01D 29/-</u></b> | <b><u>B05D 3/-</u></b>  |
| <b><u>A61K 8/-</u></b>  | <b><u>A61M 60/-</u></b> | <b><u>A61P 29/-</u></b> | <b><u>A61P 37/-</u></b> | 2021462006              | 2022354294              |
|                         |                         |                         |                         |                         |                         |
| 2022371688              | 2022404703              | 2022398687              | 2021478400              | <b><u>B01D 46/-</u></b> | <b><u>B05D 5/-</u></b>  |
| 2022389474              |                         | 2022413143              | 2022380191              |                         |                         |
| 2022390228              | <b><u>A61N 1/-</u></b>  | <b><u>A61P 3/-</u></b>  | 2022381844              | 2021462006              | 2022354294              |
| 2022393518              |                         |                         | 2022390054              |                         |                         |
| 2022401986              | 2022381709              | 2022373729              | 2022394660              | <b><u>B01D 53/-</u></b> | <b><u>B05D 7/-</u></b>  |
| 2022404362              | 2022402994              | 2022375634              | 2022399832              |                         |                         |
| 2022407060              | <b><u>A61N 2/-</u></b>  | <b><u>A61P 31/-</u></b> | 2022410656              | 2022369074              | 2022354294              |
|                         |                         |                         | 2022420665              | 2022389532              | 2022405648              |
| <b><u>A61K 9/-</u></b>  | 2022376876              | 2022380191              | 2022420823              | 2022390084              |                         |
|                         | 2022378563              | 2022385082              | <b><u>A61P 39/-</u></b> | 2022409339              | <b><u>B07B 13/-</u></b> |
| 2022368937              | 2022381709              | 2022391025              |                         |                         | 2022370909              |
| 2022369042              |                         | 2022398191              | 2022379963              | <b><u>B01J 13/-</u></b> |                         |
| 2022371688              |                         | 2022401207              |                         |                         |                         |
| 2022372646              |                         |                         |                         | 2022403121              |                         |

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

|                          |                           |                                        |                          |                                                                    |                                                      |
|--------------------------|---------------------------|----------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------------------------------|
| <b><u>B09C 1 /-</u></b>  | <b><u>B28B 13 /-</u></b>  | <b><u>B32B 9 /-</u></b>                | <b><u>B61C 3 /-</u></b>  | <b><u>B65D 51 /-</u></b>                                           | <b><u>B66C 1 /-</u></b>                              |
| 2022398118<br>2022401848 | 2023225421                | 2022420192                             | 2022408170               | 2022378439<br>2022398221                                           | 2022390580                                           |
| <b><u>B23B 47 /-</u></b> | <b><u>B29B 17 /-</u></b>  | <b><u>B33Y 10 /-</u></b>               | <b><u>B61C 9 /-</u></b>  | <b><u>B65D 57 /-</u></b>                                           | <b><u>B66C 11 /-</u></b>                             |
| 2022394091               | 2022370909                | 2022376672<br>2022377410               | 2022408170               | 2022424272                                                         | 2022387814                                           |
| <b><u>B23D 47 /-</u></b> | <b><u>B29C 33 /-</u></b>  | <b><u>B33Y 50 /-</u></b>               | <b><u>B61K 5 /-</u></b>  | <b><u>B65D 65 /-</u></b>                                           | <b><u>B66D 1 /-</u></b>                              |
| 2022402128               | 2022376672                | 2022376672                             | 2022393281               | 2021471144<br>2021471760<br>2022396005<br>2022420192<br>2022422436 | 2022387814                                           |
| <b><u>B23K 9 /-</u></b>  | <b><u>B29C 41 /-</u></b>  | <b><u>B33Y 70 /-</u></b>               | <b><u>B61L 15 /-</u></b> |                                                                    | <b><u>B66D 3 /-</u></b>                              |
| 2022483841               | 2021471760                | 2022377410                             | 2022396068               |                                                                    | 2022387814                                           |
| <b><u>B24B 49 /-</u></b> | <b><u>B29C 45 /-</u></b>  | <b><u>B33Y 80 /-</u></b>               | <b><u>B61L 3 /-</u></b>  | <b><u>B65D 71 /-</u></b>                                           | <b><u>B66D 5 /-</u></b>                              |
| 2022395830               | 2022376672<br>2022398493  | 2022376672<br>2022377410               | 2022396068               | 2022413914                                                         | 2022387814                                           |
| <b><u>B24B 7 /-</u></b>  | <b><u>B29C 48 /-</u></b>  | <b><u>B41M 5 /-</u></b>                | <b><u>B62B 1 /-</u></b>  | <b><u>B65D 75 /-</u></b>                                           | <b><u>B66F 11 /-</u></b>                             |
| 2022395830               | 2022421161                | 2022398570                             | 2023205216               | 2022378439                                                         | 2022397098                                           |
| <b><u>B25F 5 /-</u></b>  | <b><u>B29C 49 /-</u></b>  | <b><u>B60C 1 /-</u></b>                | <b><u>B62B 5 /-</u></b>  | <b><u>B65D 81 /-</u></b>                                           | <b><u>B66F 9 /-</u></b>                              |
| 2022434462               | 2022376672                | 2022413160                             | 2023205216               | 2021471760<br>2022395257<br>2022424272                             | 2022387814                                           |
| <b><u>B25G 1 /-</u></b>  | <b><u>B29C 51 /-</u></b>  | <b><u>B60C 9 /-</u></b>                | <b><u>B63B 17 /-</u></b> |                                                                    | <b><u>B67D 7 /-</u></b>                              |
| 2022434462               | 2022396005<br>2022408074  | 2022413160                             | 2022370159               | <b><u>B65D 85 /-</u></b>                                           | 2022370159<br>2022396391                             |
| <b><u>B25H 7 /-</u></b>  | <b><u>B29C 55 /-</u></b>  | <b><u>B60F 1 /-</u></b>                | <b><u>B63B 21 /-</u></b> | 2022378439<br>2022424272                                           | <b><u>C01B 17 /-</u></b>                             |
| 2022394091               | 2022413724                | 2022393281                             | 2022403464<br>2022413833 |                                                                    | 2022403477                                           |
| <b><u>B25J 15 /-</u></b> | <b><u>B29C 63 /-</u></b>  | <b><u>B60H 1 /-</u></b>                | <b><u>B63B 27 /-</u></b> | <b><u>B65D 88 /-</u></b>                                           | <b><u>C01B 21 /-</u></b>                             |
| 2022371473               | 2022413724                | 2022400858                             | 2022372720               | 2022407167                                                         | 2022415318                                           |
| <b><u>B25J 5 /-</u></b>  | <b><u>B29C 64 /-</u></b>  | <b><u>B60K 31 /-</u></b>               | <b><u>B63B 3 /-</u></b>  | <b><u>B65D 90 /-</u></b>                                           | <b><u>C01B 3 /-</u></b>                              |
| 2022404977               | 2022376672<br>2022377410  | 2021474749                             | 2022396778               | 2022380173<br>2022407167                                           | 2022369074<br>2022374234<br>2022407314<br>2022409339 |
| <b><u>B25J 9 /-</u></b>  | <b><u>B29C 67 /-</u></b>  | <b><u>B60L 50 /-</u></b>               | <b><u>B63B 35 /-</u></b> | <b><u>B65G 11 /-</u></b>                                           | <b><u>C01B 32 /-</u></b>                             |
| 2022371473<br>2022404977 | 2022376672                | 2022397098                             | 2022370159<br>2022382396 | 2022407167                                                         |                                                      |
| <b><u>B27B 17 /-</u></b> | <b><u>B29K 105 /-</u></b> | <b><u>B60L 53 /-</u></b>               | <b><u>B63B 83 /-</u></b> | <b><u>B65G 15 /-</u></b>                                           | 2022398191                                           |
| 2022434462               | 2022377410                | 2022400873<br>2022401514<br>2022401715 | 2022396778               | 2022407167                                                         | <b><u>C01B 33 /-</u></b>                             |
| <b><u>B27B 29 /-</u></b> | <b><u>B32B 27 /-</u></b>  | <b><u>B60L 58 /-</u></b>               | <b><u>B63G 8 /-</u></b>  | 2021479724                                                         | 2022396032                                           |
| 2022402128               | 2022395633<br>2022420192  | 2022398664<br>2022401715               | 2022396778               |                                                                    | <b><u>C01C 1 /-</u></b>                              |
| <b><u>B27B 31 /-</u></b> | <b><u>B32B 29 /-</u></b>  | <b><u>B60P 1 /-</u></b>                | <b><u>B64B 1 /-</u></b>  | <b><u>B65G 47 /-</u></b>                                           | 2022374234<br>2022415318                             |
| 2022402128               | 2022420192                | 2022404977                             | 2022398473               | 2022407167                                                         |                                                      |
| <b><u>B27K 3 /-</u></b>  | <b><u>B32B 3 /-</u></b>   | <b><u>B60P 3 /-</u></b>                | <b><u>B65B 43 /-</u></b> | <b><u>B65G 53 /-</u></b>                                           | <b><u>C01D 15 /-</u></b>                             |
| 2022405648               | 2022421161                | 2022386562<br>2022396391               | 2022421831               | 2022368541<br>2022372720                                           | 2022390900                                           |
| <b><u>B27N 3 /-</u></b>  | <b><u>B32B 5 /-</u></b>   | <b><u>B60W 30 /-</u></b>               | <b><u>B65B 7 /-</u></b>  | <b><u>B65G 65 /-</u></b>                                           | <b><u>C01D 3 /-</u></b>                              |
| 2022401848               | 2022395633                | 2021474749                             | 2022421831               | 2022407167                                                         | 2022390900                                           |
| <b><u>B28B 1 /-</u></b>  | <b><u>B32B 7 /-</u></b>   |                                        | <b><u>B65D 5 /-</u></b>  | <b><u>B65G 69 /-</u></b>                                           | <b><u>C01F 7 /-</u></b>                              |
| 2023225421               | 2022395633                |                                        | 2022378439               | 2022407167                                                         | 2022389474<br>2022390228                             |

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

|                                                      |                                        |                                                                                                                                          |                                                                                                                                                                                                                                                          |                                                                                                                                                                      |                                                                                                                                                                                    |
|------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>C01G 9/-</u></b>                               | <b><u>C07D 209/-</u></b>               | <b><u>C07D 333/-</u></b>                                                                                                                 | <b><u>C07D 495/-</u></b>                                                                                                                                                                                                                                 | <b><u>C07K 16/-</u></b>                                                                                                                                              | <b><u>C08L 5/-</u></b>                                                                                                                                                             |
| 2022389474<br>2022390228                             | 2022425541                             | 2022396783                                                                                                                               | 2022401847<br>2022415492                                                                                                                                                                                                                                 | 2021478400<br>2022324620<br>2022368906                                                                                                                               | 2022375141                                                                                                                                                                         |
| <b><u>C02F 1/-</u></b>                               | <b><u>C07D 213/-</u></b>               | <b><u>C07D 401/-</u></b>                                                                                                                 | <b><u>C07D 497/-</u></b>                                                                                                                                                                                                                                 | 2022369298<br>2022385082<br>2022386652<br>2022387275<br>2022389530<br>2022396272<br>2022397400<br>2022404522<br>2022408985<br>2022422572<br>2023205910<br>2023210793 | <b><u>C08L 71/-</u></b><br>2022375141                                                                                                                                              |
| 2022394553<br>2022401529<br>2022401834<br>2022402830 | 2022380909<br>2022396783               | 2022369980<br>2022374959<br>2022380979<br>2022389987<br>2022390101<br>2022396417<br>2022396783<br>2022403012<br>2022419982               | 2022394660                                                                                                                                                                                                                                               |                                                                                                                                                                      | <b><u>C08L 91/-</u></b><br>2022383950                                                                                                                                              |
| <b><u>C02F 103/-</u></b>                             | <b><u>C07D 215/-</u></b>               | <b><u>C07D 403/-</u></b>                                                                                                                 | <b><u>C07D 498/-</u></b>                                                                                                                                                                                                                                 | <b><u>C07D 513/-</u></b>                                                                                                                                             | <b><u>C09B 31/-</u></b>                                                                                                                                                            |
| 2022401834                                           | 2022380979                             | 2022396783                                                                                                                               | 2022379012<br>2022394660<br>2022405016                                                                                                                                                                                                                   | 2022396783<br>2022415492                                                                                                                                             | 2022375755                                                                                                                                                                         |
| <b><u>C02F 11/-</u></b>                              | <b><u>C07D 221/-</u></b>               | <b><u>C07D 403/-</u></b>                                                                                                                 | <b><u>C07D 513/-</u></b>                                                                                                                                                                                                                                 |                                                                                                                                                                      | <b><u>C09D 11/-</u></b>                                                                                                                                                            |
| 2022401529<br>2022402830                             | 2022401847                             | 2022389987                                                                                                                               | 2022396783<br>2022415492                                                                                                                                                                                                                                 |                                                                                                                                                                      | 2022396298                                                                                                                                                                         |
| <b><u>C04B 103/-</u></b>                             | <b><u>C07D 231/-</u></b>               | <b><u>C07D 405/-</u></b>                                                                                                                 | <b><u>C07F 5/-</u></b>                                                                                                                                                                                                                                   | <b><u>C07K 19/-</u></b>                                                                                                                                              | <b><u>C09D 5/-</u></b>                                                                                                                                                             |
| 2022424299                                           | 2022396783                             | 2022389987                                                                                                                               | 2022401847<br>2023287202                                                                                                                                                                                                                                 | 2022387275<br>2022413461<br>2022442074                                                                                                                               | 2022405648                                                                                                                                                                         |
| <b><u>C04B 111/-</u></b>                             | <b><u>C07D 233/-</u></b>               | <b><u>C07D 405/-</u></b>                                                                                                                 | <b><u>C07F 7/-</u></b>                                                                                                                                                                                                                                   | <b><u>C07K 7/-</u></b>                                                                                                                                               | <b><u>C09K 19/-</u></b>                                                                                                                                                            |
| 2022418817<br>2022419227                             | 2022380837<br>2022391025<br>2022396239 | 2022375634<br>2022389987<br>2022396783<br>2022404890<br>2022419982                                                                       | 2022401847                                                                                                                                                                                                                                               | 2022397307<br>2022398687<br>2022403154<br>2022419538<br>2022420665                                                                                                   | 2022389042                                                                                                                                                                         |
| <b><u>C04B 14/-</u></b>                              | <b><u>C07D 237/-</u></b>               | <b><u>C07D 409/-</u></b>                                                                                                                 | <b><u>C07F 9/-</u></b>                                                                                                                                                                                                                                   |                                                                                                                                                                      | <b><u>C10G 49/-</u></b>                                                                                                                                                            |
| 2022405775                                           | 2022396783                             | 2022389987<br>2022396783                                                                                                                 | 2022403012                                                                                                                                                                                                                                               |                                                                                                                                                                      | 2022418895                                                                                                                                                                         |
| <b><u>C04B 28/-</u></b>                              | <b><u>C07D 239/-</u></b>               | <b><u>C07D 413/-</u></b>                                                                                                                 | <b><u>C07H 13/-</u></b>                                                                                                                                                                                                                                  | <b><u>C08G 63/-</u></b>                                                                                                                                              | <b><u>C11D 17/-</u></b>                                                                                                                                                            |
| 2022418817<br>2022419227<br>2022424299               | 2022396783                             | 2022374959<br>2022375634<br>2022396783                                                                                                   | 2022393945                                                                                                                                                                                                                                               | 2022405648                                                                                                                                                           | 2022408074                                                                                                                                                                         |
| <b><u>C04B 40/-</u></b>                              | <b><u>C07D 241/-</u></b>               | <b><u>C07D 417/-</u></b>                                                                                                                 | <b><u>C07H 19/-</u></b>                                                                                                                                                                                                                                  | <b><u>C08J 3/-</u></b>                                                                                                                                               | <b><u>C12C 11/-</u></b>                                                                                                                                                            |
| 2022424299                                           | 2022396783                             | 2022375634<br>2022389987<br>2022397239<br>2022405016                                                                                     | 2022396536                                                                                                                                                                                                                                               | 2022383950                                                                                                                                                           | 2022395811                                                                                                                                                                         |
| <b><u>C04B 41/-</u></b>                              | <b><u>C07D 249/-</u></b>               | <b><u>C07D 417/-</u></b>                                                                                                                 | <b><u>C07H 21/-</u></b>                                                                                                                                                                                                                                  | <b><u>C08J 5/-</u></b>                                                                                                                                               | <b><u>C12C 13/-</u></b>                                                                                                                                                            |
| 2022424299                                           | 2022396783                             | 2022375634<br>2022389987<br>2022397239<br>2022405016                                                                                     | 2022396536                                                                                                                                                                                                                                               | 2022395633<br>2022408074                                                                                                                                             | 2022395811                                                                                                                                                                         |
| <b><u>C07B 59/-</u></b>                              | <b><u>C07D 251/-</u></b>               | <b><u>C07D 471/-</u></b>                                                                                                                 | <b><u>C07H 3/-</u></b>                                                                                                                                                                                                                                   | <b><u>C08K 3/-</u></b>                                                                                                                                               | <b><u>C12M 1/-</u></b>                                                                                                                                                             |
| 2022395821                                           | 2022423917                             | 2022380839<br>2022389987<br>2022390101<br>2022393742<br>2022394660<br>2022396417<br>2022397695<br>2022401847<br>2022405016<br>2022419982 | 2022420736                                                                                                                                                                                                                                               | 2022383950                                                                                                                                                           | 2022378996<br>2022405531                                                                                                                                                           |
| <b><u>C07C 229/-</u></b>                             | <b><u>C07D 253/-</u></b>               | <b><u>C07D 471/-</u></b>                                                                                                                 | <b><u>C07K 1/-</u></b>                                                                                                                                                                                                                                   | <b><u>C08K 5/-</u></b>                                                                                                                                               | <b><u>C12M 3/-</u></b>                                                                                                                                                             |
| 2022391677                                           | 2022380909                             | 2022380839<br>2022389987<br>2022390101<br>2022393742<br>2022394660<br>2022396417<br>2022397695<br>2022401847<br>2022405016<br>2022419982 | 2022442074                                                                                                                                                                                                                                               | 2022375141                                                                                                                                                           | 2022405531                                                                                                                                                                         |
| <b><u>C07C 251/-</u></b>                             | <b><u>C07D 261/-</u></b>               | <b><u>C07D 487/-</u></b>                                                                                                                 | <b><u>C07K 14/-</u></b>                                                                                                                                                                                                                                  | <b><u>C08K 7/-</u></b>                                                                                                                                               | <b><u>C12N 1/-</u></b>                                                                                                                                                             |
| 2022398628                                           | 2022396948                             | 2022380839<br>2022389987<br>2022390101<br>2022396783                                                                                     | 2022378755<br>2022380191<br>2022381844<br>2022390054<br>2022390313<br>2022396418<br>2022396547<br>2022398499<br>2022399055<br>2022401645<br>2022408167<br>2022409802<br>2022412918<br>2022413461<br>2022422572<br>2022438471<br>2022442074<br>2023230867 | 2022383950                                                                                                                                                           | 2021478400<br>2022368452<br>2022388943<br>2022398450                                                                                                                               |
| <b><u>C07C 27/-</u></b>                              | <b><u>C07D 307/-</u></b>               | <b><u>C07D 487/-</u></b>                                                                                                                 |                                                                                                                                                                                                                                                          | <b><u>C08L 1/-</u></b>                                                                                                                                               | <b><u>C12N 15/-</u></b>                                                                                                                                                            |
| 2022409335                                           | 2022396783<br>2022398628               | 2022380839<br>2022389987<br>2022390101<br>2022396783                                                                                     |                                                                                                                                                                                                                                                          | 2022375141                                                                                                                                                           | 2021476277<br>2021478400<br>2022376201<br>2022378755<br>2022380191<br>2022386233<br>2022389530<br>2022396032<br>2022396536<br>2022396547<br>2022398241<br>2022398450<br>2022398499 |
| <b><u>C07C 67/-</u></b>                              | <b><u>C07D 309/-</u></b>               | <b><u>C07D 491/-</u></b>                                                                                                                 |                                                                                                                                                                                                                                                          | <b><u>C08L 29/-</u></b>                                                                                                                                              |                                                                                                                                                                                    |
| 2022395238                                           | 2022396783<br>2022413143               | 2022390101<br>2022401847<br>2022405016                                                                                                   |                                                                                                                                                                                                                                                          | 2022375141<br>2022408074                                                                                                                                             |                                                                                                                                                                                    |
| <b><u>C07C 69/-</u></b>                              | <b><u>C07D 311/-</u></b>               |                                                                                                                                          |                                                                                                                                                                                                                                                          | <b><u>C08L 33/-</u></b>                                                                                                                                              |                                                                                                                                                                                    |
| 2022395238                                           | 2022396783                             |                                                                                                                                          |                                                                                                                                                                                                                                                          | 2022375141<br>2022383950                                                                                                                                             |                                                                                                                                                                                    |
| <b><u>C07D 207/-</u></b>                             | <b><u>C07D 317/-</u></b>               |                                                                                                                                          |                                                                                                                                                                                                                                                          | <b><u>C08L 39/-</u></b>                                                                                                                                              |                                                                                                                                                                                    |
| 2022395821                                           | 2022396783                             |                                                                                                                                          |                                                                                                                                                                                                                                                          | 2022375141                                                                                                                                                           |                                                                                                                                                                                    |

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

|                         |                         |                         |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 2022398624              | <b><u>C22B 1/-</u></b>  | 2022401848              |                         | <b><u>E04G 7/-</u></b>  | <b><u>E21B 7/-</u></b>  |
| 2022408167              |                         |                         | <b><u>E02D 7/-</u></b>  |                         |                         |
| 2022409802              | 2022402254              | <b><u>D21H 17/-</u></b> |                         | 2022384157              | 2022397098              |
| 2022413461              |                         |                         | 2022413833              | 2022393853              |                         |
| 2022438471              | <b><u>C22B 7/-</u></b>  | 2022393945              |                         | 2022423389              | <b><u>E21C 50/-</u></b> |
| 2023230867              |                         | 2022418339              | <b><u>E02F 3/-</u></b>  |                         |                         |
|                         | 2022402254              | 2022422436              |                         | <b><u>E04H 4/-</u></b>  | 2022369806              |
| <b><u>C12N 5/-</u></b>  |                         |                         | 2022368541              |                         |                         |
|                         | <b><u>C25B 1/-</u></b>  | <b><u>D21H 19/-</u></b> | 2022369806              | 2023205216              | <b><u>E21D 23/-</u></b> |
| 2021478400              |                         |                         | 2022398081              |                         |                         |
| 2022386233              | 2022372236              | 2022393945              | 2022434213              | <b><u>E05B 37/-</u></b> | 2022456592              |
| 2022397239              | 2022374234              | 2022398570              | 2022434378              |                         |                         |
| 2022399055              | 2022403806              | 2022420192              | 2022436019              | 2022430104              | <b><u>F01B 1/-</u></b>  |
| 2022399451              | 2022404755              |                         |                         |                         |                         |
| 2022401645              | 2022418180              | <b><u>D21H 21/-</u></b> | <b><u>E02F 5/-</u></b>  | <b><u>E05B 47/-</u></b> | 2023293476              |
| 2022409802              | 2022423069              |                         |                         |                         |                         |
| 2023210793              |                         | 2021471144              | 2022368541              | 2022395006              | <b><u>F01B 9/-</u></b>  |
|                         | <b><u>C25B 11/-</u></b> | 2022393945              | 2022369806              |                         |                         |
|                         |                         | 2022418339              |                         | <b><u>E05B 63/-</u></b> | 2023293476              |
| <b><u>C12N 7/-</u></b>  | 2022372236              | 2022422436              | <b><u>E02F 7/-</u></b>  |                         |                         |
|                         |                         |                         |                         | 2022395006              | <b><u>F02B 75/-</u></b> |
| 2022371686              | <b><u>C25B 15/-</u></b> | <b><u>D21H 27/-</u></b> | 2022369806              |                         |                         |
| 2022380191              |                         |                         |                         | <b><u>E05B 67/-</u></b> | 2023293476              |
| 2022396547              | 2022420316              | 2022393945              | <b><u>E02F 9/-</u></b>  | 2022430104              | <b><u>F02D 19/-</u></b> |
|                         | 2022423069              | 2022418339              |                         |                         |                         |
| <b><u>C12N 9/-</u></b>  |                         | 2022420192              | 2022369806              | <b><u>E05C 19/-</u></b> | 2023293476              |
|                         | <b><u>C25B 9/-</u></b>  | 2022422436              | 2022372477              |                         |                         |
| 2022385082              |                         |                         | 2022404606              | 2022398991              | <b><u>F02G 1/-</u></b>  |
| 2022387275              | 2022403806              | <b><u>D21J 3/-</u></b>  | 2022434213              |                         |                         |
| 2022408167              | 2022404755              |                         |                         | <b><u>E05D 11/-</u></b> | 2022421654              |
| 2022422537              | 2022418180              | 2022396005              | <b><u>E03C 1/-</u></b>  |                         |                         |
| 2023230867              | 2022420316              | 2022418339              |                         | 2022394091              | <b><u>F03B 11/-</u></b> |
|                         | 2022423069              | 2022422436              | 2022395366              |                         |                         |
| <b><u>C12P 21/-</u></b> |                         |                         |                         | <b><u>E05D 7/-</u></b>  | 2022388844              |
|                         | <b><u>D01D 1/-</u></b>  | <b><u>D21J 5/-</u></b>  | <b><u>E03D 11/-</u></b> |                         |                         |
| 2023210793              |                         |                         |                         | 2022382608              | <b><u>F03B 13/-</u></b> |
| <b><u>C12P 7/-</u></b>  | 2021471000              | 2021471144              | 2022450021              |                         |                         |
|                         |                         | 2022396005              |                         | <b><u>E05F 15/-</u></b> | 2022388844              |
| 2022368452              | <b><u>D01D 5/-</u></b>  |                         | <b><u>E04B 1/-</u></b>  |                         |                         |
|                         |                         | <b><u>D21J 7/-</u></b>  |                         | 2022382608              | <b><u>F03B 17/-</u></b> |
| <b><u>C12Q 1/-</u></b>  | 2021471000              | 2021471144              | 2022384157              | 2022415400              | 2022388844              |
|                         | <b><u>D04H 1/-</u></b>  |                         | 2022389038              |                         |                         |
| 2022368452              |                         | <b><u>E01B 1/-</u></b>  | <b><u>E04B 5/-</u></b>  | <b><u>E06B 3/-</u></b>  | <b><u>F03D 13/-</u></b> |
| 2022370861              | 2021471000              |                         |                         |                         |                         |
| 2022376201              |                         | 2022374107              | 2022389038              | 2022394091              | 2022382396              |
| 2022379963              | <b><u>D06F 37/-</u></b> |                         | 2022418817              |                         |                         |
| 2022398491              |                         | <b><u>E01D 2/-</u></b>  | <b><u>E04C 2/-</u></b>  | <b><u>E06B 7/-</u></b>  | <b><u>F04B 23/-</u></b> |
| 2022405531              | 2022383633              | 2022389038              |                         | 2022394091              | 2022395383              |
| 2022407711              |                         | <b><u>E02B 17/-</u></b> | 2022389038              | <b><u>E06B 9/-</u></b>  |                         |
| 2022410636              | <b><u>D06F 39/-</u></b> |                         | <b><u>E04C 3/-</u></b>  |                         | <b><u>F15B 11/-</u></b> |
|                         |                         | <b><u>E02B 17/-</u></b> |                         | 2022398991              | 2022456592              |
| <b><u>C12R 1/-</u></b>  | 2022383633              | 2022413833              | 2022384157              |                         |                         |
|                         | 2022483348              | 2022420381              |                         | <b><u>E21B 34/-</u></b> | 2022456592              |
| 2022368452              |                         |                         | <b><u>E04B 1/-</u></b>  |                         |                         |
| <b><u>C13B 50/-</u></b> | <b><u>D06F 58/-</u></b> | <b><u>E02D 11/-</u></b> | <b><u>E04F 15/-</u></b> | 2022386073              | <b><u>F16C 19/-</u></b> |
|                         |                         |                         |                         |                         |                         |
| 2022420736              | 2022382608              | 2022413833              | 2022418817              |                         | 2022431028              |
|                         | 2022383633              |                         |                         | <b><u>E21B 41/-</u></b> |                         |
| <b><u>C13K 3/-</u></b>  | <b><u>D06F 73/-</u></b> | <b><u>E02D 15/-</u></b> | <b><u>E04F 21/-</u></b> |                         | <b><u>F16C 23/-</u></b> |
|                         |                         |                         |                         | 2022373526              | 2022431028              |
| 2022420736              | 2022382608              | 2022413833              | 2022395830              | 2022401983              |                         |
|                         |                         |                         | 2022397920              |                         | <b><u>F16C 33/-</u></b> |
| <b><u>C21B 13/-</u></b> | <b><u>D06N 3/-</u></b>  | <b><u>E02D 23/-</u></b> | <b><u>E04G 1/-</u></b>  | <b><u>E21B 43/-</u></b> |                         |
|                         |                         |                         |                         |                         |                         |
| 2022402254              | 2023216769              | 2022413833              | 2022384157              | 2022401983              | 2022431028              |
|                         |                         |                         |                         | <b><u>E21B 47/-</u></b> | <b><u>F16C 35/-</u></b> |
| <b><u>C21B 3/-</u></b>  | <b><u>D21C 5/-</u></b>  | <b><u>E02D 27/-</u></b> | <b><u>E04G 5/-</u></b>  |                         |                         |
|                         |                         |                         |                         | 2022373526              | 2022431028              |
| 2022402254              | 2022401848              | 2022413833              | 2022384157              | 2022386073              |                         |
|                         |                         |                         | 2022393853              | 2022397132              | <b><u>F16C 41/-</u></b> |
| <b><u>C21C 5/-</u></b>  | <b><u>D21H 11/-</u></b> | <b><u>E02D 3/-</u></b>  | 2022423389              |                         | 2022431028              |
|                         |                         |                         |                         |                         |                         |
| 2022431028              | 2021471760              | 2022421161              |                         |                         |                         |

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

|                    |                   |                   |                   |                   |                   |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>F16F 3 /-</b>   |                   | <b>F27B 9 /-</b>  | 2022378755        | 2022399023        | <b>G06Q 40 /-</b> |
| 2023209456         | <b>F24F 13 /-</b> |                   | 2022395830        |                   |                   |
|                    | 2023207099        |                   | 2022396032        | <b>G05D 1 /-</b>  | 2021473334        |
| <b>F16G 11 /-</b>  |                   | <b>F27D 3 /-</b>  | 2022405531        | 2022398473        | 2023206881        |
| 2022368450         | <b>F24F 3 /-</b>  |                   | 2022405688        |                   | 2023258016        |
|                    | 2022394025        |                   | 2022410233        | <b>G05D 16 /-</b> | <b>G06Q 50 /-</b> |
| <b>F16J 15 /-</b>  | 2022397810        | <b>F42D 1 /-</b>  | 2022429891        | 2021479230        | 2022373353        |
| 2022431028         |                   |                   | 2022432797        |                   | 2022402407        |
|                    | <b>F24F 5 /-</b>  |                   |                   | <b>G01N 35 /-</b> | 2023206881        |
| <b>F16K 11 /-</b>  | 2022394025        | <b>F42D 3 /-</b>  |                   | 2022371473        | 2023258016        |
| 2022392835         |                   |                   |                   |                   |                   |
| 2022456592         | <b>F24F 7 /-</b>  |                   | <b>G01S 13 /-</b> | 2022412170        | <b>G06T 19 /-</b> |
|                    | 2022393902        |                   | 2022395232        | <b>G06F 16 /-</b> | 2022368763        |
| <b>F16K 27 /-</b>  | 2022394025        | <b>G01B 11 /-</b> | 2022398509        | 2022373353        |                   |
| 2022392835         |                   |                   |                   | 2022377421        | <b>G06T 5 /-</b>  |
|                    | <b>F24F 8 /-</b>  |                   | <b>G01S 17 /-</b> | 2022385088        | 2022405390        |
| <b>F16K 31 /-</b>  | 2022397810        | <b>G01B 21 /-</b> |                   | 2022396138        |                   |
| 2022392835         |                   |                   | 2022395830        | 2022396146        |                   |
|                    | <b>F24S 25 /-</b> |                   | 2022405704        | 2022405455        | <b>G06T 7 /-</b>  |
| <b>F16L 57 /-</b>  | 2022404977        | <b>G01C 15 /-</b> |                   |                   | 2022395078        |
| 2022413724         |                   |                   | <b>G01S 7 /-</b>  | <b>G06F 21 /-</b> | 2022395830        |
|                    | <b>F24S 30 /-</b> |                   | 2022398509        | 2022385088        | 2022402004        |
| <b>F16L 58 /-</b>  | 2022400770        | <b>G01F 23 /-</b> |                   | 2022405455        |                   |
| 2022413724         |                   |                   | <b>G01V 1 /-</b>  | <b>G06F 3 /-</b>  | <b>G06V 20 /-</b> |
|                    | <b>F24S 50 /-</b> |                   | 2022373462        | 2022396146        | 2022387582        |
| <b>F17C 1 /-</b>   | 2022400770        | <b>G01G 19 /-</b> |                   | 2023239479        | <b>G06V 40 /-</b> |
| 2022400241         |                   |                   | <b>G01V 99 /-</b> |                   | 2022380384        |
|                    | <b>F24S 80 /-</b> |                   | 2022401983        | <b>G06F 30 /-</b> | 2022398348        |
| <b>F17C 13 /-</b>  | 2022424272        | <b>G01G 21 /-</b> |                   | 2022376672        | 2022406037        |
| 2022380173         |                   |                   | <b>G02B 1 /-</b>  |                   |                   |
| 2022389008         | <b>F25B 23 /-</b> |                   | 2022398493        | <b>G06F 40 /-</b> | <b>G07C 9 /-</b>  |
| 2022400241         | 2022403229        | <b>G01H 1 /-</b>  |                   | 2022374232        | 2022395006        |
|                    |                   |                   | <b>G02B 3 /-</b>  | 2022377421        | <b>G08B 25 /-</b> |
| <b>F17C 3 /-</b>   | <b>F25B 41 /-</b> |                   | 2022398493        | 2022398219        | 2023204777        |
| 2022389008         | 2022393096        | <b>G01H 9 /-</b>  |                   |                   |                   |
|                    |                   |                   | <b>G02C 1 /-</b>  | <b>G06F 8 /-</b>  | <b>G08G 1 /-</b>  |
| <b>F17C 5 /-</b>   | <b>F25B 45 /-</b> |                   | 2022375449        | 2022377421        | 2022405704        |
| 2022395383         | 2022400858        | <b>G01J 1 /-</b>  |                   | <b>G06F 9 /-</b>  |                   |
|                    |                   |                   | <b>G02C 5 /-</b>  | 2022379421        | <b>G08G 5 /-</b>  |
| <b>F23J 1 /-</b>   | <b>F25B 9 /-</b>  |                   | 2022375449        |                   | 2023272512        |
| 2022372720         | 2022374234        | <b>G01J 3 /-</b>  |                   | <b>G06N 10 /-</b> | <b>G09B 21 /-</b> |
|                    | 2022389008        |                   | 2022403229        | 2022375388        | 2021479272        |
| <b>F24F 1 /-</b>   | 2022393096        |                   | 2022412170        |                   |                   |
| 2022393902         |                   | <b>G01N 1 /-</b>  |                   | <b>G06Q 10 /-</b> | <b>G09F 9 /-</b>  |
| 2022394025         | <b>F25D 19 /-</b> |                   | <b>G03B 11 /-</b> | 2022372477        | 2022412170        |
| 2023207099         | 2022389008        |                   | 2022397317        | 2022373353        |                   |
|                    |                   | <b>G01N 21 /-</b> |                   | 2022374232        | <b>G10D 1 /-</b>  |
| <b>F24F 11 /-</b>  | <b>F25D 23 /-</b> |                   | <b>G03B 29 /-</b> | 2022401378        | 2022422207        |
| 2022396650         | 2022397270        |                   | 2022402004        | 2022403548        |                   |
|                    | 2022402004        | <b>G01N 27 /-</b> |                   | 2023206881        |                   |
| <b>F24F 110 /-</b> |                   |                   | <b>G03B 7 /-</b>  |                   | <b>G10H 3 /-</b>  |
| 2022397810         | <b>F25D 25 /-</b> |                   | 2022397317        | <b>G06Q 20 /-</b> | 2022422207        |
|                    | 2022402004        |                   |                   | 2022385088        |                   |
| <b>F24F 12 /-</b>  |                   | <b>G01N 33 /-</b> | <b>G05B 13 /-</b> |                   | <b>G10K 11 /-</b> |
| 2022394025         | <b>F25D 29 /-</b> |                   | 2022395811        | <b>G06Q 30 /-</b> | 2022397270        |
|                    | 2022402004        |                   |                   | 2023201169        | 2022397810        |
| <b>F24F 120 /-</b> |                   |                   | <b>G05B 19 /-</b> |                   |                   |
| 2022396650         |                   |                   | 2022370861        |                   |                   |
|                    |                   |                   | 2022371686        |                   |                   |
|                    |                   |                   |                   |                   |                   |

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

|                                                      |                                                                    |                          |                                                      |                                        |
|------------------------------------------------------|--------------------------------------------------------------------|--------------------------|------------------------------------------------------|----------------------------------------|
| <b><u>G10K 15 /-</u></b>                             | <b><u>H01F 19 /-</u></b>                                           | <b><u>H02J 3 /-</u></b>  | <b><u>H04B 10 /-</u></b>                             | <b><u>H04N 7 /-</u></b>                |
| 2022379877                                           | 2022370398                                                         | 2022421842<br>2022438411 | 2022405704                                           | 2022386387<br>2022400604<br>2022401642 |
| <b><u>G10L 15 /-</u></b>                             | <b><u>H01F 7 /-</u></b>                                            | <b><u>H02J 50 /-</u></b> | <b><u>H04B 5 /-</u></b>                              | <b><u>H04S 1 /-</u></b>                |
| 2022398219                                           | 2022422207                                                         | 2022403751<br>2022407802 | 2022403751<br>2022407802                             | 2022379877                             |
| <b><u>G10L 17 /-</u></b>                             | <b><u>H01J 37 /-</u></b>                                           | <b><u>H02J 7 /-</u></b>  | <b><u>H04B 7 /-</u></b>                              | <b><u>H04S 7 /-</u></b>                |
| 2022398219                                           | 2022415318                                                         | 2022421842               | 2021475416<br>2022394525<br>2022395232<br>2022407711 | 2022379877                             |
| <b><u>G10L 19 /-</u></b>                             | <b><u>H01J 49 /-</u></b>                                           | <b><u>H02K 11 /-</u></b> | <b><u>H04L 12 /-</u></b>                             | <b><u>H04W 36 /-</u></b>               |
| 2022400064                                           | 2022389627                                                         | 2022378102               | 2022400604<br>2022401642                             | 2022434487                             |
| <b><u>G10L 21 /-</u></b>                             | <b><u>H01L 31 /-</u></b>                                           | <b><u>H02K 21 /-</u></b> | <b><u>H04L 51 /-</u></b>                             | <b><u>H04W 4 /-</u></b>                |
| 2022374886<br>2022377385                             | 2022372236<br>2022391140<br>2022396298<br>2022424273<br>2022425415 | 2022378102               | 2022374232                                           | 2021476591<br>2022398485<br>2022428809 |
| <b><u>G10L 25 /-</u></b>                             | 2022426582<br>2022426583<br>2022429460                             | <b><u>H02K 29 /-</u></b> | <b><u>H04L 65 /-</u></b>                             | <b><u>H04W 56 /-</u></b>               |
| 2022374886<br>2022377385<br>2022398219               | 2022429461<br>2022429985<br>2022429986                             | 2022378102               | 2022386387<br>2022400604<br>2022401642               | 2022431750                             |
| <b><u>G11B 7 /-</u></b>                              | <b><u>H01M 10 /-</u></b>                                           | <b><u>H02K 33 /-</u></b> | <b><u>H04L 67 /-</u></b>                             | <b><u>H04W 72 /-</u></b>               |
| 2022438540                                           | 2022447730                                                         | 2022422207               | 2021476591<br>2022386387<br>2022398496               | 2022452006                             |
| <b><u>G16B 20 /-</u></b>                             | <b><u>H01M 4 /-</u></b>                                            | <b><u>H02K 53 /-</u></b> | <b><u>H04L 9 /-</u></b>                              | <b><u>H04W 74 /-</u></b>               |
| 2021474767<br>2022410636                             | 2021476842<br>2022372236<br>2022388796                             | 2022378102               | 2021477492<br>2022373353<br>2022398496               | 2021472623                             |
| <b><u>G16H 15 /-</u></b>                             | <b><u>H01M 8 /-</u></b>                                            | <b><u>H02M 1 /-</u></b>  | <b><u>H04M 1 /-</u></b>                              | <b><u>H04W 84 /-</u></b>               |
| 2022396223                                           | 2022388796<br>2022403269<br>2022405518<br>2022419296               | 2022420809               | 2022369904                                           | 2022394525                             |
| <b><u>G16H 20 /-</u></b>                             | <b><u>H01P 3 /-</u></b>                                            | <b><u>H02M 7 /-</u></b>  | <b><u>H04M 3 /-</u></b>                              | <b><u>H04W 88 /-</u></b>               |
| 2022379421<br>2022382969<br>2022396223<br>2022396224 | 2022370398                                                         | 2022420809               | 2022369904                                           | 2022369904                             |
| <b><u>G16H 30 /-</u></b>                             | <b><u>H01R 13 /-</u></b>                                           | <b><u>H02P 29 /-</u></b> | <b><u>H04N 13 /-</u></b>                             | <b><u>H05B 1 /-</u></b>                |
| 2022395958                                           | 2022368450                                                         | 2022427366               | 2022374232                                           | 2022434462                             |
| <b><u>G16H 40 /-</u></b>                             | <b><u>H02G 1 /-</u></b>                                            | <b><u>H02P 6 /-</u></b>  | <b><u>H04N 17 /-</u></b>                             | <b><u>H05B 6 /-</u></b>                |
| 2022379421<br>2022396223                             | 2022402192                                                         | 2022378102<br>2022427366 | 2022372477<br>2022398348                             | 2022413653<br>2022416886               |
| <b><u>G16H 50 /-</u></b>                             | <b><u>H02G 15 /-</u></b>                                           | <b><u>H02S 10 /-</u></b> | <b><u>H04N 19 /-</u></b>                             | <b><u>H05H 1 /-</u></b>                |
| 2022382969<br>2022396223<br>2022398485<br>2022407711 | 2022402192                                                         | 2022404977               | 2022398348<br>2022409165                             | 2022409335<br>2022415318               |
| <b><u>G16Y 10 /-</u></b>                             | <b><u>H02G 9 /-</u></b>                                            | <b><u>H02S 20 /-</u></b> | <b><u>H04N 21 /-</u></b>                             | <b><u>H05K 7 /-</u></b>                |
| 2022385088                                           | 2022402192                                                         | 2022390804<br>2022400770 | 2022406037                                           | 2022412170                             |
| <b><u>H01B 12 /-</u></b>                             | <b><u>H02J 13 /-</u></b>                                           | <b><u>H02S 30 /-</u></b> | <b><u>H04N 23 /-</u></b>                             | <b><u>H10K 30 /-</u></b>               |
| 2022389042                                           | 2022402192                                                         | 2022404977               | 2021476591<br>2022400604<br>2022401642               | 2022398322                             |
| <b><u>H01B 7 /-</u></b>                              | <b><u>H03F 1 /-</u></b>                                            | <b><u>H02S 40 /-</u></b> |                                                      | <b><u>H10K 99 /-</u></b>               |
| 2022402192                                           | 2022438411                                                         | 2022424272               |                                                      | 2022398322                             |
|                                                      |                                                                    | <b><u>H03H 7 /-</u></b>  |                                                      |                                        |
|                                                      |                                                                    | 2022370398               |                                                      |                                        |
|                                                      |                                                                    | 2022370398               |                                                      |                                        |



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*B01J 39/08* ( 2017.01 )  
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*C08J 5/20* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
*C12N 1/21* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
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**F03D 7/02** ( 2006.01 )  
**H02J 3/24** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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*G10L 21/038* ( 2013.01 )  
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 (72) Kjoerling, Kristofer  
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 (51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
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 (54) SENSOR ARRANGEMENT WITH AN ELECTROCHEMICAL SENSOR AND A TEMPERATURE SENSOR AND PROCESS USING SUCH A SENSOR ARRANGEMENT  
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*G01N 27/26* ( 2006.01 )  
*G01K 7/02* ( 2021.01 )  
*G01K 7/04* ( 2006.01 )  
*G01N 27/30* ( 2006.01 )  
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*F42B 3/08* ( 2006.01 )  
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*F42B 3/24* ( 2006.01 )  
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**C23C 22/56** ( 2006.01 )  
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**A61B 5/00** ( 2006.01 )  
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**G16H 50/20** ( 2018.01 )  
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**(51)** Int. Cl.  
**C07D 471/10** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
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**C07D 247/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**G02F 1/167** ( 2019.01 )  
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**A47L 15/23** ( 2006.01 )  
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**(54)** Dose detection system module for medication delivery device  
**(51)** Int. Cl.  
**A61M 5/315** ( 2006.01 )  
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**(51)** Int. Cl.  
**G06T 19/00** ( 2011.01 )  
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**B60L 50/53** ( 2019.01 )  
**H02J 7/00** ( 2006.01 )  
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**(54)** Methods of using EHMT2 inhibitors in treating or preventing blood disorders  
**(51)** Int. Cl.  
**C07C 211/04** ( 2006.01 )  
**A61K 31/137** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
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**(54)** Verification of access to secured electronic resources  
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**G06F 21/60** ( 2013.01 )  
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**(72)** ALLEN, Kenneth  
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**B01D 29/21** ( 2006.01 )  
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G01H 9/00 ( 2006.01 )  
G01V 8/24 ( 2006.01 )  
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A61M 16/08 ( 2006.01 )  
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(51) Int. Cl.  
A61M 16/00 ( 2006.01 )  
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A61M 16/06 ( 2006.01 )  
A62B 18/00 ( 2006.01 )  
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(54) METHODS AND APPARATUS FOR HIGH GAS FLOW  
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A61M 16/10 ( 2006.01 )  
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(51) Int. Cl.  
F28F 3/12 ( 2006.01 )  
F28F 9/26 ( 2006.01 )  
H01M 10/60 ( 2014.01 )  
H05K 7/20 ( 2006.01 )  
F28D 21/00 ( 2006.01 )  
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(54) Color control and heat recuperation when producing activated clay  
(51) Int. Cl.  
C04B 7/12 ( 2006.01 )  
C04B 20/04 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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(71) Fluid Handling LLC  
(11) AU-B-2021345218  
(21) 2021345218 (22) 17.09.2021  
(54) Check valve assembly having a check valve assembly union formed between a check valve housing, a check valve body adapter and a locking ring  
(51) Int. Cl.  
F16K 15/02 ( 2006.01 )  
F16K 1/36 ( 2006.01 )  
F16K 27/02 ( 2006.01 )  
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(54) Isoxazoline compounds for controlling invertebrate pests  
(51) Int. Cl.  
C07D 413/14 ( 2006.01 )  
A01N 43/80 ( 2006.01 )  
C07D 413/04 ( 2006.01 )  
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(74) Oxygene IP

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(21) 2021344023 (22) 26.07.2021  
(54) Image forming apparatus  
(51) Int. Cl.  
G03G 21/16 ( 2006.01 )  
G03G 15/16 ( 2006.01 )  
G03G 15/20 ( 2006.01 )  
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(74) Spruson & Ferguson

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(71) Gebr. Pfeiffer SE  
(11) AU-B-2021208441  
(21) 2021208441 (22) 14.01.2021  
(54) Roller mill having crosswise grinding rollers  
(51) Int. Cl.  
B02C 15/00 ( 2006.01 )  
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(31) 20151718.2 (32) 14.01.20 (33) EP  
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(74) BOSH IP Pty Ltd

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(54) Compositions and methods for treating rheumatoid arthritis  
(51) Int. Cl.  
A61K 31/445 ( 2006.01 )  
A61K 31/454 ( 2006.01 )  
A61P 37/02 ( 2006.01 )  
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FOR  
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**C12Q 1/6883** ( 2018.01 )  
**G01N 33/68** ( 2006.01 )

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(74) Davies Collison Cave Pty Ltd

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(54) GEOCELL WITH IMPROVED COM-  
PACTION AND DEFORMATION RES-  
ISTANCE  
(51) Int. Cl.  
**E02D 31/00** ( 2006.01 )  
**E01B 2/00** ( 2006.01 )  
**E01C 3/00** ( 2006.01 )  
**E01C 3/04** ( 2006.01 )

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(62) 2019253893  
(72) HALAHMI, Izhar; EREZ, Oded  
(74) IP GATEWAY PATENT & TRADE  
MARK ATTORNEYS PTY LTD

(71) Getac Technology Corporation  
(11) AU-B-2022279476  
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(54) Electronic Device  
(51) Int. Cl.  
**G06F 1/16** ( 2006.01 )  
**H04M 1/03** ( 2006.01 )  
**H04M 1/14** ( 2006.01 )  
**H05K 5/03** ( 2006.01 )

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Yeh  
(74) WRAYS PTY LTD

(71) Getac Technology Corporation  
(11) AU-B-2023200047  
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(54) Electronic Device with an Extraction  
Device and Extraction Device Thereof  
(51) Int. Cl.  
**H05K 7/14** ( 2006.01 )  
**E05B 65/00** ( 2006.01 )  
**E05C 5/02** ( 2006.01 )

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(72) LEE, Kun-Cheng  
(74) A.P.T. Patent and Trade Mark Attor-  
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(71) GI Cell, Inc.  
(11) AU-B-2020387322  
(21) 2020387322 (22) 19.11.2020

(54) Composition for culturing natural killer  
cells and method for preparing natural  
killer cells by using same  
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**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )

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(71) GI Cell, Inc.  
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cells and use thereof  
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**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )

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KIM, Chea Ha; KIM, Hye Ri  
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(71) GI Cell, Inc.  
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comprising NK cells and fusion protein  
which comprises IL-2 protein and CD80  
protein  
(51) Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 38/00** ( 2006.01 )  
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and CD80 protein, and use thereof  
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**C07K 14/55** ( 2006.01 )  
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power of wind farm  
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**H02J 3/46** ( 2006.01 )

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**H04W 88/08** ( 2009.01 )  
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LIN, Kengchun; LIAO, Mincong; ZOU,  
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 nications Corp., Ltd.  
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 signal, and apparatus therefor  
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 Haier Refrigerator Co., Ltd; Haier US  
 Appliance Solutions, Inc.  
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 Haier Smart Home Co., Ltd.  
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 urement method, warehouse robot, and  
 warehouse system  
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 ing down a new plug  
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**A01N 65/22** ( 2009.01 )  
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**H04W 4/12** ( 2009.01 )  
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**C01D 15/02** ( 2006.01 )  
**C22B 3/22** ( 2006.01 )  
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**H01M 4/04** ( 2006.01 )  
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**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
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**C07D 519/00** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
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**E04B 2/34** ( 2006.01 )  
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**C07C 51/00** ( 2006.01 )  
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**C12Q 1/68** ( 2018.01 )  
**C12Q 1/6886** ( 2018.01 )  
**C12Q 1/689** ( 2018.01 )  
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 (21) 2017380257

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 (54) Electrolyte compositions for rechargeable metal halide battery  
 (51) Int. Cl.  
**H01M 6/16** ( 2006.01 )  
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 (11) AU-B-2021331239  
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 (51) Int. Cl.  
**H03K 17/92** ( 2006.01 )  
**G06N 10/00** ( 2022.01 )  
**H03K 3/38** ( 2006.01 )  
**H03K 19/195** ( 2006.01 )  
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 (72) BECK, Matthew  
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 (54) Automatic knowledge graph construction  
 (51) Int. Cl.  
**G06F 16/36** ( 2019.01 )  
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 TOFIDELLIS, Dimitrios  
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 CHINES CORPORATION  
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 (54) SHARING INSIGHTS BETWEEN PRE  
 AND POST DEPLOYMENT TO EN-  
 HANCE CLOUD WORKLOAD SECUR-  
 ITY  
 (51) Int. Cl.  
**G06F 11/34** ( 2006.01 )  
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 EZOV, Gilad; LEVY, Ronen  
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 CHINES CORPORATION  
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 (21) 2021405604 (22) 22.12.2021  
 (54) PROGRAMMABLE AND REPRO-  
 GRAMMABLE QUANTUM CIRCUIT  
 (51) Int. Cl.  
**G06N 10/40** ( 2022.01 )  
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 (31) 17/133,996 (32) 24.12.20 (33) US  
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 BECKLEY, Michael; BUDD, Russell;  
 ADIGA, Vivekananda; MCKAY, David;  
 SHELDON, Sarah Elizabeth  
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 CHINES CORPORATION  
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 PROVIDE SUB-TENSORS  
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**G06F 7/76** ( 2006.01 )  
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 nesses acquired via the oral cavity and  
 pharynx  
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**A61K 8/25** ( 2006.01 )  
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 James  
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 (54) System and method for reference valid-  
 ation of spreadsheets  
 (51) Int. Cl.  
**G06F 21/62** ( 2013.01 )  
**G06F 16/93** ( 2019.01 )  
**G06Q 10/06** ( 2012.01 )  
**G06P 10/10** ( 2012.01 )  
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 Meike, Roger C.  
 (74) Davies Collision Cave Pty Ltd
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 (21) 2020281743 (22) 26.05.2020  
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 edge-gateway and method for data  
 communication  
 (51) Int. Cl.  
**B66B 1/34** ( 2006.01 )  
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 (74) Griffith Hack
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 shaped brake element, for braking a  
 travelling body that can be moved in a

- guided manner along a guide rail in a  
 movement direction  
 (51) Int. Cl.  
**B66B 5/20** ( 2006.01 )  
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 BASIC, Faruk; STEINER, Adrian;  
 STÄHLI, Julian; WIDMER, Heinz; ZA-  
 PF, Volker  
 (74) Griffith Hack
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 (51) Int. Cl.  
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 (72) HUSMANN, Josef  
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 and/or treatment of intestinal disease  
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**A61K 31/4375** ( 2006.01 )  
**A23K 10/00** ( 2016.01 )  
**A23K 20/00** ( 2016.01 )  
**A61P 31/00** ( 2006.01 )  
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 Pouton, Colin; He, Zhiyong  
 (74) FB Rice Pty Ltd
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 TEM FOR VENTILATING AN INDOOR  
 SPACE  
 (51) Int. Cl.  
**F24F 7/007** ( 2006.01 )  
**F24F 7/02** ( 2006.01 )  
**F24F 11/30** ( 2018.01 )  
**F24F 110/12** ( 2018.01 )  
**F24F 110/22** ( 2018.01 )  
**F24F 110/52** ( 2018.01 )  
**F24F 110/64** ( 2018.01 )  
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 (21) 2022212028 (22) 28.01.2022  
 (54) TREATMENT OF ASTIGMATISM  
 (51) Int. Cl.  
     **A61K 33/34** ( 2006.01 )  
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     **A61P 27/02** ( 2006.01 )  
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 (74) Pearce IP Pty Ltd

(71) JANSSEN PHARMACEUTICALS, INC.  
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 (21) 2022207740 (22) 11.01.2022  
 (54) FIMH MUTANTS, COMPOSITIONS THEREWITH AND USE THEREOF  
 (51) Int. Cl.  
     **C07K 14/245** ( 2006.01 )  
     **A61P 13/00** ( 2006.01 )  
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 (11) AU-B-2021357884  
 (21) 2021357884 (22) 12.07.2021  
 (54) INERTIAL SENSOR, ATOMIC INTERFEROMETER, METHOD FOR ADJUSTING SPEED AND COURSE OF ATOMIC BEAM, AND APPARATUS FOR ADJUSTING SPEED AND COURSE OF ATOMIC BEAM  
 (51) Int. Cl.  
     **G01P 15/00** ( 2006.01 )  
     **G01C 19/58** ( 2006.01 )  
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 (51) Int. Cl.  
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     **A61K 8/72** ( 2006.01 )  
     **A61K 31/07** ( 2006.01 )  
     **A61Q 19/00** ( 2006.01 )  
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     **A61Q 19/08** ( 2006.01 )  
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 (51) Int. Cl.  
     **G02B 1/04** ( 2006.01 )  
     **B29D 11/00** ( 2006.01 )  
     **C08L 51/08** ( 2006.01 )  
     **G02C 7/04** ( 2006.01 )  
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 (54) Building management system with space graphs  
 (51) Int. Cl.  
     **G05B 15/02** ( 2006.01 )  
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                   16/048,052 27.07.18 US  
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 (74) Davies Collison Cave Pty Ltd

(71) Kabushiki Kaisha Toyota Jidoshokki  
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 (21) 2022291525 (22) 21.12.2022  
 (54) IMAGE PROCESSING DEVICE OF PERSON DETECTION SYSTEM  
 (51) Int. Cl.  
     **G06V 20/58** ( 2022.01 )  
     **G01B 11/14** ( 2006.01 )  
     **G06T 3/20** ( 2006.01 )  
     **G06T 7/35** ( 2017.01 )  
     **G06V 10/50** ( 2022.01 )  
     **G06V 40/10** ( 2022.01 )  
     **H04N 13/10** ( 2018.01 )  
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 (72) ISHIZAKI, Masataka; MIHOICHI, Takuto  
 (74) Griffith Hack

(71) KAHN, S.V.; ENGELKE, W.G.H.  
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 (21) 2022215124 (22) 31.01.2022  
 (54) DEVICE FOR DETERMINING TONGUE POSITION BY MEASURING NEGATIVE PRESSURE IN THE ORAL CAVITY, FOR MEASURING INHALATION PRESSURE IN THE NASOPHARYNGEAL CAVITY, AND ASSOCIATED TERMINAL  
 (51) Int. Cl.  
     **A61F 5/56** ( 2006.01 )  
     **A61B 5/00** ( 2006.01 )  
     **A61B 5/03** ( 2006.01 )  
     **A61B 5/22** ( 2006.01 )  
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 (72) KAHN, Sandra Vivian; ENGELKE, Wilfried Gerhard Hermann  
 (74) Madders Pty Ltd

(71) Kimberly-Clark Worldwide, Inc.  
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 (51) Int. Cl.  
     **A47K 10/16** ( 2006.01 )  
     **B31D 1/04** ( 2006.01 )  
     **D21F 11/14** ( 2006.01 )

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**(44)** 06.06.2024  
**(72)** REKOSKE, Michael John; VAN-BERGEN, David Matthew; DAVID, John Paul; O'CONNOR, Jessica Jan; SHANKLIN, Gary Lee  
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- (71)** Kingfa Sci. & Tech. Co., Ltd.  
**(11)** AU-B-202409646  
**(21)** 202409646 **(22)** 27.10.2020  
**(54)** Polypropylene composition, preparation method thereof and use thereof  
**(51)** Int. Cl.  
**C08L 23/12** ( 2006.01 )  
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**C08L 83/10** ( 2006.01 )  
**(87)** WO2021/120864  
**(31)** 201911303504.X **(32)** 17.12.19 **(33)** CN  
**(43)** 24.06.2021  
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**(74)** Madderns Pty Ltd
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- (71)** Koekstone IP Pty Ltd  
**(11)** AU-B-2023233081  
**(21)** 2023233081 **(22)** 19.09.2023  
**(54)** Swivelling Joint  
**(51)** Int. Cl.  
**F21V 21/36** ( 2006.01 )  
**E04H 12/18** ( 2006.01 )  
**E04H 12/34** ( 2006.01 )  
**(43)** 05.10.2023  
**(44)** 06.06.2024  
**(62)** 2021286248  
**(72)** Pannekoek, Robert John; Pannekoek, Peter  
**(74)** Armour IP
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- (71)** Komatsu Ltd.  
**(11)** AU-B-2020415654  
**(21)** 2020415654 **(22)** 10.12.2020  
**(54)** Work machine  
**(51)** Int. Cl.  
**E02F 9/08** ( 2006.01 )  
**(87)** WO2021/131734  
**(31)** 2019-231541 **(32)** 23.12.19 **(33)** JP  
**(43)** 01.07.2021  
**(44)** 06.06.2024  
**(72)** UCHIMARU, Masatoshi; KONDOU, Yuusuke; OKUDA, Kozo  
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- (71)** Koninklijke Douwe Egberts B.V.  
**(11)** AU-B-2018266409  
**(21)** 2018266409 **(22)** 09.05.2018  
**(54)** Beverage brewing apparatus with nozzle exterior cleaning  
**(51)** Int. Cl.  
**A47J 31/60** ( 2006.01 )  
**(87)** WO2018/208156  
**(31)** 2018884 **(32)** 10.05.17 **(33)** NL
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**(43)** 15.11.2018  
**(44)** 06.06.2024  
**(72)** Dessing, Jacobus Petrus Maria; Standaar, Koen; Dees, Hendrik Johan  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Koninklijke Douwe Egberts B.V.  
**(11)** AU-B-2020407861  
**(21)** 2020407861 **(22)** 18.12.2020  
**(54)** A process to prepare a liquid coffee concentrate with reduced acrylamide content by resin treatment  
**(51)** Int. Cl.  
**A23F 5/26** ( 2006.01 )  
**A23F 5/28** ( 2006.01 )  
**(87)** WO2021/123161  
**(31)** 1919065.1 **(32)** 20.12.19 **(33)** GB  
**(43)** 24.06.2021  
**(44)** 06.06.2024  
**(72)** HEIJMAN, Gertjan; SKOGVOLD, Rebecca van der Westen; BROWN, Ian; ROOS, Ellen  
**(74)** Griffith Hack
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- (71)** KPC PHARMACEUTICALS, INC; SHANGHAI KUNHENG PHARMA-TECH CO., LTD  
**(11)** AU-B-2021411658  
**(21)** 2021411658 **(22)** 28.12.2021  
**(54)** 2-PYRIDONE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND PHARMACEUTICAL APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 5/14** ( 2006.01 )  
**A61P 9/06** ( 2006.01 )  
**C07D 213/69** ( 2006.01 )  
**C07D 401/10** ( 2006.01 )  
**(87)** WO2022/143574  
**(31)** 202011609510.0 **(32)** 30.12.20 **(33)** CN  
**(43)** 07.07.2022  
**(44)** 06.06.2024  
**(72)** LV, Hejun; WANG, Peng; GUO, Fei; CHEN, Shaoqing; LIU, Junfeng  
**(74)** FB Rice Pty Ltd
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- (71)** Kraftanlagen Energies & Services SE  
**(11)** AU-B-2020319665  
**(21)** 2020319665 **(22)** 29.07.2020  
**(54)** Heat storage device, heat storage system and method for operating a heat storage device  
**(51)** Int. Cl.  
**F28D 20/00** ( 2006.01 )  
**(87)** WO2021/018949  
**(31)** 10 2019 120 448.8 **(32)** 29.07.19 **(33)** DE  
**(43)** 04.02.2021  
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**(72)** DOERBECK, Till  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Kuk II Inntot Co., Ltd.  
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**E05B 47/00** ( 2006.01 )  
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**(54)** Laundry treating apparatus  
**(51)** Int. Cl.  
**D06F 71/10** ( 2006.01 )  
**D06F 73/02** ( 2006.01 )  
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**H04N 5/64** ( 2006.01 )  
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     **A23L 11/30** (2016.01)  
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     C12Q 1/68 ( 2018.01 )  
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 (72) Yu, Cheng-Der Tony; Shue, Youe-Kong; Liang, Chen-Hsin; Yu, Peiwen; Chen, Chwen-Chen  
 (74) AJ PARK

(71) Ocado Innovation Limited  
 (11) AU-B-2021213892  
 (21) 2021213892 (22) 26.01.2021  
 (54) Apparatus and method for charging a load handling device  
 (51) Int. Cl.  
     B65G 1/04 ( 2006.01 )  
 (87) WO2021/151902  
 (31) 2001108.6 (32) 27.01.20 (33) GB  
     2010702.5 10.07.20 GB  
 (43) 05.08.2021  
 (44) 06.06.2024  
 (72) STADIE, Robert; HABBEN, Keith  
 (74) James & Wells Intellectual Property

(71) Ocado Innovation Limited  
 (11) AU-B-2021336742  
 (21) 2021336742 (22) 01.09.2021  
 (54) Transporting device and storage system  
 (51) Int. Cl.  
     B65G 1/04 ( 2006.01 )  
 (87) WO2022/049101  
 (31) 2013719.6 (32) 01.09.20 (33) GB  
 (43) 10.03.2022  
 (44) 06.06.2024  
 (72) THOMAS, Ben; SHARP, David; LANCASTER, Adam; CLARK, Sean; ZAMMIT, Joseph; ZHOU, Yongji  
 (74) James & Wells Intellectual Property

(71) OCTOPUS ENERGY HEATING LIMITED  
 (11) AU-B-2022215952  
 (21) 2022215952 (22) 07.02.2022  
 (54) METHODS AND SYSTEMS AND APPARATUS TO SUPPORT REDUCED ENERGY AND WATER USAGE  
 (51) Int. Cl.

Applications Accepted - Name Index cont'd

**F24D 17/00** ( 2022.01 )  
**F24D 17/02** ( 2006.01 )  
**F24D 19/10** ( 2006.01 )  
**F24H 15/429** ( 2022.01 )  
**(87)** WO2022/168034  
**(31)** 2101678.7 **(32)** 07.02.21 **(33)** GB  
 2109593.0 02.07.21 GB  
 2109594.8 02.07.21 GB  
 2109596.3 02.07.21 GB  
 2109597.1 02.07.21 GB  
 2109598.9 02.07.21 GB  
 2109599.7 02.07.21 GB  
 2109600.3 02.07.21 GB  
 2111086.1 02.08.21 GB  
**(43)** 11.08.2022  
**(44)** 06.06.2024  
**(72)** KONOWALCZYK, Peter  
**(74)** Spruson & Ferguson

**(71)** OCTOPUS ENERGY HEATING LIMITED  
**(11)** AU-B-2022217899  
**(21)** 2022217899 **(22)** 07.02.2022  
**(54)** METHODS AND SYSTEMS AND APPARATUS TO SUPPORT REDUCED ENERGY AND WATER USAGE  
**(51)** Int. Cl.  
**F24D 19/10** ( 2006.01 )  
**F24D 11/02** ( 2006.01 )  
**F24D 17/00** ( 2022.01 )  
**F24D 17/02** ( 2006.01 )  
**F24H 4/04** ( 2006.01 )  
**F24H 7/04** ( 2006.01 )  
**F28D 20/02** ( 2006.01 )  
**(87)** WO2022/168033  
**(31)** 2101678.7 **(32)** 07.02.21 **(33)** GB  
 2109593.0 02.07.21 GB  
 2109594.8 02.07.21 GB  
 2109596.3 02.07.21 GB  
 2109597.1 02.07.21 GB  
 2109598.9 02.07.21 GB  
 2109599.7 02.07.21 GB  
 2109600.3 02.07.21 GB  
 2111087.9 02.08.21 GB  
**(43)** 11.08.2022  
**(44)** 06.06.2024  
**(72)** KONOWALCZYK, Peter  
**(74)** Halfords IP

**(71)** Oregon Health & Science University; Vir Biotechnology, Inc.; Triad National Security, LLC  
**(11)** AU-B-2021218141  
**(21)** 2021218141 **(22)** 19.08.2021  
**(54)** HIV vaccines comprising one or more population episensus antigens  
**(51)** Int. Cl.  
**A61P 31/18** ( 2006.01 )  
**A61K 39/21** ( 2006.01 )  
**(43)** 09.09.2021  
**(44)** 06.06.2024  
**(62)** 2015327797  
**(72)** Bruening, Eric; Frueh, Klaus; Picker, Louis; Korber, Bette T. M.; Theiler, James; Marshall, Emily  
**(74)** Spruson & Ferguson

**(71)** ORIGIANT PHARMACEUTICAL CO., LTD  
**(11)** AU-B-2021341865  
**(21)** 2021341865 **(22)** 02.09.2021  
**(54)** 5-SUBSTITUTED INDOLE 3-AMIDE DERIVATIVE, PREPARATION METHOD AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2022/052861  
**(31)** 202010943478.3 **(32)** 09.09.20 **(33)** CN  
 202110426935.6 20.04.21 CN  
**(43)** 17.03.2022  
**(44)** 06.06.2024  
**(72)** YANG, Shengyong; LI, Linli  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**Osaka University see StemRIM Inc.**  
**(21)** 2018213671

**(71)** PepsiCo, Inc.  
**(11)** AU-B-2019224039  
**(21)** 2019224039 **(22)** 21.02.2019  
**(54)** Beverage dispenser systems and methods  
**(51)** Int. Cl.  
**B65D 83/14** ( 2006.01 )  
**B65D 83/28** ( 2006.01 )  
**B67D 1/04** ( 2006.01 )  
**B67D 1/12** ( 2006.01 )  
**B67D 1/14** ( 2006.01 )  
**(87)** WO2019/165089  
**(31)** 201841006718 **(32)** 22.02.18 **(33)** IN  
**(43)** 29.08.2019  
**(44)** 06.06.2024  
**(72)** BHUTANI, Gurmeet Singh; DESHPANDE, Prashant  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Perimetrics, Inc.  
**(11)** AU-B-2018395057  
**(21)** 2018395057 **(22)** 30.12.2018  
**(54)** Determination of structural characteristics of an object  
**(51)** Int. Cl.  
**G01N 3/38** ( 2006.01 )  
**G01N 3/62** ( 2006.01 )  
**(87)** WO2019/133946  
**(31)** 62/687,730 **(32)** 20.06.18 **(33)** US  
 62/692,618 29.06.18 US  
 62/612,440 30.12.17 US  
**(43)** 04.07.2019  
**(44)** 06.06.2024  
**(72)** EARTHMAN, James; ELAM, John Michael; SHEETS, Cherilyn; HAYMAN, Robert  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Pontificia Universidad Católica de Chile  
**(11)** AU-B-2019440945  
**(21)** 2019440945 **(22)** 17.04.2019  
**(54)** Derivatives of adamantyl oxadiazoles and pharmaceutically acceptable solvates, hydrates and salts thereof, phar-

maceutical composition comprising same, synthesis method, suitable for use as effective and selective inhibitors of the reductase activity of the enzyme 11-beta dehydrogenase type 1 (11B-HSD1)  
**(51)** Int. Cl.  
**C07D 271/06** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**A61P 19/10** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 401/06** ( 2006.01 )

**(87)** WO2020/210922  
**(43)** 22.10.2020  
**(44)** 06.06.2024  
**(72)** FARDELLA BELLO, Carlos Enrique; LAGOS ARÉVALO, Carlos Fernando; VECCHIOLA CÁRDENAS, Andrea Paola; ALLENDE SANZANA, Fidel Alejandro; DIETHELM VARELA, Benjamin Manuel; RECABARREN GAJARDO, Gonzalo Ivan; GONZÁLEZ CISTERNA, Pablo Marcelo  
**(74)** MINTER ELLISON

**(71)** PPG Industries Ohio, Inc.  
**(11)** AU-B-2021254760  
**(21)** 2021254760 **(22)** 14.04.2021  
**(54)** Compositions containing thermally conductive fillers  
**(51)** Int. Cl.  
**C08J 3/20** ( 2006.01 )  
**C08K 3/014** ( 2018.01 )  
**C08K 3/08** ( 2006.01 )  
**C08K 3/22** ( 2006.01 )  
**C08K 3/36** ( 2006.01 )  
**C08K 3/38** ( 2006.01 )  
**H01M 10/653** ( 2014.01 )  
**H05K 1/03** ( 2006.01 )

**(87)** WO2021/211722  
**(31)** 63/010,298 **(32)** 15.04.20 **(33)** US  
 PCT/ 20.01.21 US  
 US2021/014073  
**(43)** 21.10.2021  
**(44)** 06.06.2024  
**(72)** MA, Liang; POLLUM Jr., Marvin M.; NAKAJIMA, Masayuki; WILLIS, Daniel P.; HSU, Lorraine; CONDIE, Allison G.; FRENCH, Maria S.; ZHOU, Hongying; ZHENG, Qi; LI, Hong; MUNRO, Calum H.  
**(74)** Minter Ellison

**(71)** Precision Planting LLC  
**(11)** AU-B-2018298071  
**(21)** 2018298071 **(22)** 03.07.2018  
**(54)** Air seeder downforce control  
**(51)** Int. Cl.  
**A01C 7/20** ( 2006.01 )  
**A01B 13/08** ( 2006.01 )  
**A01B 63/00** ( 2006.01 )  
**A01B 63/111** ( 2006.01 )  
**A01B 63/114** ( 2006.01 )

Applications Accepted - Name Index cont'd

**A01B 63/22** ( 2006.01 )  
**(87)** WO2019/010239  
**(31)** 62/528,297 **(32)** 03.07.17 **(33)** US  
**(43)** 10.01.2019  
**(44)** 06.06.2024  
**(72)** PLATTNER, Chad  
**(74)** Griffith Hack

**(71)** Prester Foods Inc.  
**(11)** AU-B-2019217670  
**(21)** 2019217670 **(22)** 07.01.2019  
**(54)** Dough composition and process for manufacture  
**(51)** Int. Cl.  
**A21D 2/36** ( 2006.01 )  
**A21D 2/26** ( 2006.01 )  
**A21D 13/04** ( 2017.01 )  
**A21D 13/045** ( 2017.01 )  
**A21D 13/06** ( 2017.01 )  
**(87)** WO2019/153070  
**(31)** 62/627,079 **(32)** 06.02.18 **(33)** US  
**(43)** 15.08.2019  
**(44)** 06.06.2024  
**(72)** OLADIWURA, Angela  
**(74)** FB Rice Pty Ltd

**(71)** Psilo Scientific Ltd  
**(11)** AU-B-2023285751  
**(21)** 2023285751 **(22)** 19.12.2023  
**(54)** Powdered Composition Containing a Mushroom Extract Comprising a Psychoactive Alkaloid  
**(51)** Int. Cl.  
**A61K 36/07** ( 2006.01 )  
**A61K 31/4045** ( 2006.01 )  
**A61K 31/675** ( 2006.01 )  
**B01D 11/02** ( 2006.01 )  
**C07D 209/16** ( 2006.01 )  
**C07F 9/572** ( 2006.01 )  
**(43)** 18.01.2024  
**(44)** 06.06.2024  
**(62)** 2021290454  
**(72)** LIGHTBURN, Benjamin; MOSS, Ryan; RANKEN, Lisa  
**(74)** Davies Collison Cave Pty Ltd

**(71)** PureCircle USA Inc.  
**(11)** AU-B-2019236227  
**(21)** 2019236227 **(22)** 15.03.2019  
**(54)** High-purity steviol glycosides  
**(51)** Int. Cl.  
**A23L 27/30** ( 2016.01 )  
**A23L 2/60** ( 2006.01 )  
**C07H 15/256** ( 2006.01 )  
**(87)** WO2019/178471  
**(31)** 62/644,065 **(32)** 16.03.18 **(33)** US  
 62/644,407 17.03.18 US  
 62/806,646 15.02.19 US  
 62/771,937 27.11.18 US  
 62/682,461 08.06.18 US  
 PCT/ 10.04.18 US  
 US2018/026920  
**(43)** 19.09.2019  
**(44)** 06.06.2024  
**(72)** MARKOSYAN, Avetik; CHOW, Siew Yin; NIZAM BIN NAWI, Khairul; CH-KHAN, Kristina; AFZAAL BIN HASIM,

Mohamad; RAMANDACH, Saravanan  
 A/I  
**(74)** Spruson & Ferguson

**Qingdao Haier Refrigerator Co., Ltd see Haier Smart Home Co., Ltd.**  
**(21)** 2021260292

**(71)** Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.  
**(11)** AU-B-2021327809  
**(21)** 2021327809 **(22)** 16.08.2021  
**(54)** Adjustable shelf device and refrigerator having same  
**(51)** Int. Cl.  
**F25D 25/02** ( 2006.01 )  
**(87)** WO2022/037542  
**(31)** 202010838194.8 **(32)** 19.08.20 **(33)** CN  
**(43)** 24.02.2022  
**(44)** 06.06.2024  
**(72)** CHENG, Xueli; ZHANG, Zhenxing; ZHU, Xiaobing  
**(74)** Madderns Pty Ltd

**(71)** Ranpak Corp.  
**(11)** AU-B-2021236071  
**(21)** 2021236071 **(22)** 09.03.2021  
**(54)** Dunnage conversion machine for producing a dunnage pad having slit-sheet material therein  
**(51)** Int. Cl.  
**B31D 5/00** ( 2017.01 )  
**(87)** WO2021/183570  
**(31)** 62/987,025 **(32)** 09.03.20 **(33)** US  
**(43)** 16.09.2021  
**(44)** 06.06.2024  
**(72)** CHEICH, Robert C.; WAGNER, Dennis J.; STINARD, Brian J.  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

**(71)** Ranpak Corp.  
**(11)** AU-B-2021238329  
**(21)** 2021238329 **(22)** 17.03.2021  
**(54)** Dunnage product transfer using an alignment reference plane  
**(51)** Int. Cl.  
**B65B 55/20** ( 2006.01 )  
**B65B 57/00** ( 2006.01 )  
**B65B 61/22** ( 2006.01 )  
**(87)** WO2021/188676  
**(31)** 62/990,923 **(32)** 17.03.20 **(33)** US  
**(43)** 23.09.2021  
**(44)** 06.06.2024  
**(72)** BRULS, Ruud; VAN DER KAAP, Jordy  
**(74)** FB Rice Pty Ltd

**(71)** RCAM Technologies, INC.  
**(11)** AU-B-2021254256  
**(21)** 2021254256 **(22)** 09.04.2021  
**(54)** Marine-pumped hydroelectric energy storage  
**(51)** Int. Cl.  
**F03B 13/06** ( 2006.01 )  
**F03B 3/04** ( 2006.01 )  
**F03B 11/00** ( 2006.01 )

**F03B 13/10** ( 2006.01 )  
**(87)** WO2021/207588  
**(31)** 63/007,558 **(32)** 09.04.20 **(33)** US  
**(43)** 14.10.2021  
**(44)** 06.06.2024  
**(72)** COTRELL, Jason Rust  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Redbiotec AG  
**(11)** AU-B-2017235361  
**(21)** 2017235361 **(22)** 14.03.2017  
**(54)** Means and methods for treating HSV  
**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**(87)** WO2017/157969  
**(31)** 92999 **(32)** 14.03.16 **(33)** LU  
 92997 14.03.16 LU  
 92998 14.03.16 LU  
**(43)** 21.09.2017  
**(44)** 06.06.2024  
**(72)** Stergiou, Garyfalia; Schaub, Christian; John, Corinne  
**(74)** WRAYS PTY LTD

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-B-2017339711  
**(21)** 2017339711 **(22)** 22.09.2017  
**(54)** Bi specific anti-MUC16-CD3 antibodies and anti-MUC16 drug conjugates  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/44** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2018/067331  
**(31)** 62/558,711 **(32)** 14.09.17 **(33)** US  
 62/399,249 23.09.16 US  
**(43)** 12.04.2018  
**(44)** 06.06.2024  
**(72)** Haber, Lauric; Smith, Eric; Kelly, Marcus; Kirshner, Jessica R.; Coetzee, Sandra; Crawford, Alison; Nittoli, Thomas; Liu, Yashu  
**(74)** Griffith Hack

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-B-2019384136  
**(21)** 2019384136 **(22)** 19.11.2019  
**(54)** Bis-octahydrophenanthrene carboxamide derivatives and protein conjugates thereof for use as LXR agonists  
**(51)** Int. Cl.  
**C07D 233/64** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**C07C 233/90** ( 2006.01 )  
**C07D 249/16** ( 2006.01 )  
**C07H 17/02** ( 2006.01 )  
**C07K 5/06** ( 2006.01 )  
**C07K 5/08** ( 2006.01 )  
**(87)** WO2020/106780  
**(31)** 62/769,946 **(32)** 20.11.18 **(33)** US  
**(43)** 28.05.2020  
**(44)** 06.06.2024  
**(72)** GROMADA, Jesper; GUSAROVA, Viktoria; HAN, Amy; HAXHINASTO, Sokol;

Applications Accepted - Name Index cont'd

MURPHY, Andrew J.; OLSON, William;  
SLEEMAN, Matthew  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-B-2021366691  
**(21)** 2021366691 **(22)** 21.10.2021  
**(54)** Anti-FGFR2 antibodies and methods of use thereof  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )

**(87)** WO2022/087243  
**(31)** 63/104,377 **(32)** 22.10.20 **(33)** US  
63/220,948 12.07.21 US  
63/253,858 08.10.21 US  
**(43)** 28.04.2022  
**(44)** 06.06.2024  
**(72)** DALY, Christopher; DELFINO, Frank;  
HAN, Amy; NITTO, Thomas; ZHANG,  
Li  
**(74)** Spruson & Ferguson

**(71)** Regents of the University of California  
**(11)** AU-B-2018256863  
**(21)** 2018256863 **(22)** 27.04.2018  
**(54)** Microorganisms and methods for producing cannabinoids and cannabinoid derivatives  
**(51)** Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12P 7/22** ( 2006.01 )  
**C12P 17/06** ( 2006.01 )

**(87)** WO2018/200888  
**(31)** 62/491,114 **(32)** 27.04.17 **(33)** US  
62/569,532 07.10.17 US  
**(43)** 01.11.2018  
**(44)** 06.06.2024  
**(72)** Keasling, Jay D.; D'espoux, Leo; Wong,  
Jeff; Luo, Xiaozhou; Reiter, Michael;  
Denby, Charles; Lechner, Anna  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

**(71)** RESEARCH CENTER OF INTELLIGENT EQUIPMENT, BEIJING ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES  
**(11)** AU-B-2023270340  
**(21)** 2023270340 **(22)** 05.09.2023  
**(54)** ATOMIZER FOR AERIAL SPRAYING AND CONTROL METHOD THEREOF  
**(51)** Int. Cl.  
**B64D 1/18** ( 2006.01 )  
**(31)** 202310857398.X **(32)** 13.07.23 **(33)** CN  
**(43)** 06.06.2024  
**(44)** 06.06.2024  
**(72)** ZHANG, Ruirui; CHEN, Liping; DING, Chenchen; LI, Longlong; XU, Gang  
**(74)** Integrated IP

**(71)** RESORTS WORLD AT SENTOSA PTE. LTD.  
**(11)** AU-B-2019352818

**(21)** 2019352818 **(22)** 17.09.2019  
**(54)** Chip processing self-service kiosk  
**(51)** Int. Cl.  
**G07D 9/06** ( 2006.01 )  
**G07D 5/02** ( 2006.01 )  
**G07D 5/04** ( 2006.01 )  
**G07D 9/00** ( 2006.01 )

**(87)** WO2020/072000  
**(31)** 10201808711X **(32)** 02.10.18 **(33)** SG  
**(43)** 09.04.2020  
**(44)** 06.06.2024  
**(72)** TAN, Hee Teck; GOH, Joon Fong Keith;  
YEO, Li-Ling Sharon  
**(74)** Madderns Pty Ltd

**(71)** Rheinmetall Landsysteme GmbH  
**(11)** AU-B-2020346256  
**(21)** 2020346256 **(22)** 31.07.2020  
**(54)** Deflecting device  
**(51)** Int. Cl.  
**F41A 9/60** ( 2006.01 )  
**F41A 9/59** ( 2006.01 )  
**F41A 23/24** ( 2006.01 )  
**F41A 9/81** ( 2006.01 )  
**(87)** WO2021/047822  
**(31)** 10 2019 124 414.5 **(32)** 11.09.19 **(33)** DE  
**(43)** 18.03.2021  
**(44)** 06.06.2024  
**(72)** SZYDLOWSKI, Nico; BUDA, Robert  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Robert Bosch GmbH  
**(11)** AU-B-2018333452  
**(21)** 2018333452 **(22)** 20.08.2018  
**(54)** User interface for reversing a trailer with automated steering system  
**(51)** Int. Cl.  
**B62D 13/06** ( 2006.01 )  
**B62D 15/02** ( 2006.01 )  
**(87)** WO2019/052773  
**(31)** 62/557,999 **(32)** 13.09.17 **(33)** US  
**(43)** 21.03.2019  
**(44)** 06.06.2024  
**(72)** SYPITKOWSKI, Greg; MILLER, James  
Stephen; WARD, Gary  
**(74)** Spruson & Ferguson

**(71)** S. C. Johnson & Son, Inc.  
**(11)** AU-B-2018369353  
**(21)** 2018369353 **(22)** 30.10.2018  
**(54)** Freeze-thaw stable water-in-oil emulsion cleaner and/or polish compositions  
**(51)** Int. Cl.  
**C09G 1/04** ( 2006.01 )  
**(87)** WO2019/099184  
**(31)** 15/813,894 **(32)** 15.11.17 **(33)** US  
**(43)** 23.05.2019  
**(44)** 06.06.2024  
**(72)** LI, Bing; MUELLER, Christie M.;  
LYNCH, Loretta G.; TAYLOR, Becca B.  
**(74)** Spruson & Ferguson

**(71)** SAMSUNG ELECTRONICS CO., LTD.  
**(11)** AU-B-2023200001  
**(21)** 2023200001 **(22)** 01.01.2023  
**(54)** Electronic device with metal frame antenna

**(51)** Int. Cl.  
**H01Q 1/24** ( 2006.01 )  
**H01Q 1/48** ( 2006.01 )  
**H04M 1/02** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
**H05K 5/04** ( 2006.01 )  
**(43)** 09.02.2023  
**(44)** 06.06.2024  
**(62)** 2021202980  
**(72)** KIM, Jaehyung; BANG, Jinkyu; KIM,  
Jinu; KIM, Donghwan; KIM, Taegyung;  
CHANG, Kiyoung  
**(74)** Griffith Hack

**(71)** SanBio, Inc.  
**(11)** AU-B-2021203467  
**(21)** 2021203467 **(22)** 27.05.2021  
**(54)** Methods and compositions for modulating angiogenesis and vasculogenesis  
**(51)** Int. Cl.  
**A61K 35/28** ( 2015.01 )  
**C12N 5/071** ( 2010.01 )  
**(43)** 24.06.2021  
**(44)** 06.06.2024  
**(62)** 2019204305  
**(72)** DAO, Monique; TATE, Ciara; CASE,  
Casey  
**(74)** Griffith Hack

**(71)** Sandvik Mining and Construction Oy  
**(11)** AU-B-2018422587  
**(21)** 2018422587 **(22)** 09.05.2018  
**(54)** Zone passage control in worksite  
**(51)** Int. Cl.  
**G05D 1/20** ( 2024.01 )  
**(87)** WO2019/214817  
**(43)** 14.11.2019  
**(44)** 06.06.2024  
**(72)** KALLIO, Janne; LEHTINEN, Antti;  
RUOKOJÄRVI, Jarkko  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Saperatec GmbH  
**(11)** AU-B-2019278617  
**(21)** 2019278617 **(22)** 31.05.2019  
**(54)** Separation fluid, method and apparatus for recycling multilayer material using a passivation agent  
**(51)** Int. Cl.  
**B29B 17/02** ( 2006.01 )  
**C08J 11/06** ( 2006.01 )  
**C08J 11/08** ( 2006.01 )  
**(87)** WO2019/229235  
**(31)** 1809004.3 **(32)** 01.06.18 **(33)** GB  
**(43)** 05.12.2019  
**(44)** 06.06.2024  
**(72)** SCHULZE, Marcus  
**(74)** Eagar & Associates Pty Ltd

**(71)** Scarab Genomics, LLC  
**(11)** AU-B-2024200209  
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**A23L 2/54** ( 2006.01 )  
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*C08F 283/00* ( 2006.01 )  
*C08G 18/32* ( 2006.01 )  
*C08G 18/44* ( 2006.01 )  
*C09D 151/08* ( 2006.01 )  
*C09D 175/00* ( 2006.01 )  
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*B01J 31/04* ( 2006.01 )  
*B05D 3/00* ( 2006.01 )  
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*C08G 59/32* ( 2006.01 )  
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*C08G 59/68* ( 2006.01 )  
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*C08L 33/08* ( 2006.01 )  
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 (51) Int. Cl.  
     **B30B 5/06** ( 2006.01 )  
     **B27N 1/02** ( 2006.01 )  
     **B27N 3/24** ( 2006.01 )  
     **G01N 25/72** ( 2006.01 )  
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 SPREEN, William Robert; VAN SOLIN-  
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*A61P 35/00* ( 2006.01 )  
*C07D 213/76* ( 2006.01 )  
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*B63B 35/44* ( 2006.01 )  
*H02S 20/00* ( 2014.01 )  
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**(51)** Int. Cl.  
*H04W 4/06* ( 2009.01 )  
*H04W 72/04* ( 2009.01 )  
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| <b>2017234009</b> | Millennium Pharmaceuticals, Inc.                                                                                                                                        | <b>2018369018</b> | BASF SE                                                                                                                                                                                |
| <b>2017235361</b> | Redbiotec AG                                                                                                                                                            | <b>2018369353</b> | S. C. Johnson & Son, Inc.                                                                                                                                                              |
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| <b>2017261292</b> | The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology                                                                             | <b>2018373494</b> | The University of Western Australia                                                                                                                                                    |
| <b>2017339711</b> | Regeneron Pharmaceuticals, Inc.                                                                                                                                         | <b>2018374564</b> | Nanobacterie                                                                                                                                                                           |
| <b>2017364473</b> | DendroCyte BioTech Pty Ltd                                                                                                                                              | <b>2018374621</b> | Alcon Inc.                                                                                                                                                                             |
| <b>2017378336</b> | Zoetis Services LLC                                                                                                                                                     | <b>2018376913</b> | Wix.com Ltd.                                                                                                                                                                           |
| <b>2017380257</b> | Institut Gustave Roussy; Institut National de la Sante et de la Recherche Medicale - Inserm; Universite Paris-Sud; Institut National de la recherche agronomique - INRA | <b>2018377588</b> | TSI Group Co., Ltd.                                                                                                                                                                    |
| <b>2017381296</b> | CS Genetics Limited                                                                                                                                                     | <b>2018383754</b> | LEVEL HOME, INC.                                                                                                                                                                       |
| <b>2017437704</b> | Electrolux Appliances Aktiebolag                                                                                                                                        | <b>2018385889</b> | UMC Utrecht Holding B.V.; BO-IP B.V.                                                                                                                                                   |
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| <b>2018203604</b> | UFP Holdings Pty Ltd                                                                                                                                                    | <b>2018387258</b> | Advanced Extracellular Vesicle Applications S.R.L.                                                                                                                                     |
| <b>2018211904</b> | Bayer CropScience LP                                                                                                                                                    | <b>2018387736</b> | Intervet International B.V.                                                                                                                                                            |
| <b>2018213671</b> | StemRIM Inc.; Osaka University                                                                                                                                          | <b>2018388577</b> | Tris Pharma, Inc.                                                                                                                                                                      |
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| <b>2018227440</b> | The Trustees of The University of Pennsylvania                                                                                                                          | <b>2018389080</b> | Alcon Inc.                                                                                                                                                                             |
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| <b>2018284101</b> | Les Laboratoires Servier                                                                                                                                                | <b>2019218975</b> | SWIMC LLC                                                                                                                                                                              |
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| <b>2018289438</b> | The Regents of The University of California                                                                                                                             | <b>2019223264</b> | Metso Outotec Finland Oy                                                                                                                                                               |
| <b>2018290190</b> | Fisher & Paykel Healthcare Limited                                                                                                                                      | <b>2019224039</b> | PepsiCo, Inc.                                                                                                                                                                          |
| <b>2018293446</b> | Schlumberger Technology B.V.                                                                                                                                            | <b>2019226300</b> | Johnson & Johnson Consumer Inc.                                                                                                                                                        |
| <b>2018293556</b> | NewSouth Innovations Pty Limited; Hangzhou Cable Co Ltd                                                                                                                 | <b>2019226575</b> | Compagnie Generale des Etablissements Michelin                                                                                                                                         |
| <b>2018295115</b> | Vutility, Inc.                                                                                                                                                          | <b>2019229186</b> | Smiths Medical ASD, Inc.                                                                                                                                                               |
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| <b>2018298226</b> | Symic IP, LLC                                                                                                                                                           | <b>2019233355</b> | Uvex Arbeitsschutz GmbH                                                                                                                                                                |
| <b>2018303340</b> | Fiber Sense Limited                                                                                                                                                     | <b>2019233897</b> | GRAIL, Inc.                                                                                                                                                                            |
| <b>2018325256</b> | Albemarle Corporation                                                                                                                                                   | <b>2019236227</b> | PureCircle USA Inc.                                                                                                                                                                    |
| <b>2018326547</b> | Carbiolice                                                                                                                                                              | <b>2019238323</b> | Memorial Sloan Kettering Cancer Center                                                                                                                                                 |
| <b>2018327682</b> | Smith & Nephew plc                                                                                                                                                      | <b>2019252587</b> | BASF SE                                                                                                                                                                                |
| <b>2018331956</b> | Smith & Nephew plc                                                                                                                                                      | <b>2019260159</b> | Zhuhai Yufan Biotechnologies Co., Ltd                                                                                                                                                  |
| <b>2018333452</b> | Robert Bosch GmbH                                                                                                                                                       | <b>2019261331</b> | Amsted Rail Company, Inc.                                                                                                                                                              |
| <b>2018336135</b> | ANYA BIOPHARM INC.; Gschliesser, S.; Desai, B.                                                                                                                          | <b>2019264364</b> | MedImmune Limited                                                                                                                                                                      |
| <b>2018337027</b> | Becton, Dickinson and Company                                                                                                                                           | <b>2019265476</b> | SWIMC LLC                                                                                                                                                                              |
| <b>2018342785</b> | The New Zealand Institute for Plant and Food Research Limited                                                                                                           | <b>2019267959</b> | Dizal (Jiangsu) Pharmaceutical Co., Ltd.                                                                                                                                               |
| <b>2018345306</b> | Depuy Ireland Unlimited Company                                                                                                                                         | <b>2019272478</b> | Chia Tai Tianqing Pharmaceutical Group Co., Ltd.                                                                                                                                       |
| <b>2018352182</b> | Alcon Inc.                                                                                                                                                              | <b>2019272986</b> | Vetrospace Oy                                                                                                                                                                          |
| <b>2018353150</b> | Epizyme, Inc.                                                                                                                                                           | <b>2019276047</b> | Südzucker AG                                                                                                                                                                           |
| <b>2018354718</b> | Ecole de technologie superieure                                                                                                                                         | <b>2019278617</b> | Saperatec GmbH                                                                                                                                                                         |
| <b>2018359330</b> | Epiroc Rock Drills Aktiebolag                                                                                                                                           | <b>2019281523</b> | Bawer S.p.A.                                                                                                                                                                           |
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| 2019298314 | Hitachi Energy Ltd; ABB Schweiz AG                                                        | 2021238329 | Ranpak Corp.                                                                                        |
| 2019302569 | Cileli, M.                                                                                | 2021240252 | The Scripps Research Institute                                                                      |
| 2019302995 | UCB Biopharma SRL                                                                         | 2021254256 | RCAM Technologies, INC.                                                                             |
| 2019303989 | Flint Engineering Ltd                                                                     | 2021254760 | PPG Industries Ohio, Inc.                                                                           |
| 2019304871 | Johnson Controls Technology Company                                                       | 2021260292 | Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd; Haier US Appliance Solutions, Inc. |
| 2019305001 | FMC Corporation                                                                           | 2021261907 | Scholar Rock, Inc.                                                                                  |
| 2019310451 | Glasstech, Inc.                                                                           | 2021263028 | International Business Machines Corporation; Central Glass Co., Ltd.                                |
| 2019323106 | Andritz AG                                                                                | 2021266574 | FLSmidth A/S                                                                                        |
| 2019338592 | Norsk Hydro ASA                                                                           | 2021268573 | Amgen Inc.                                                                                          |
| 2019339703 | Betta Pharmaceuticals Co., Ltd                                                            | 2021273057 | Cryogenetics AS                                                                                     |
| 2019343850 | GI Innovation, Inc.                                                                       | 2021285914 | Boston Scientific Scimed, Inc.                                                                      |
| 2019352818 | RESORTS WORLD AT SENTOSA PTE. LTD.                                                        | 2021290491 | Sungrow Power Supply Co., Ltd.                                                                      |
| 2019361309 | Coradin SAS                                                                               | 2021294050 | Dongguan Poweramp Technology Limited                                                                |
| 2019373764 | Net World Sports Limited                                                                  | 2021294428 | Netivonim LTD.                                                                                      |
| 2019375315 | Guangdong Oppo Mobile Telecommunications Corp., Ltd.                                      | 2021299844 | Huawei Technologies Co., Ltd.                                                                       |
| 2019377141 | Calidi Biotherapeutics (Nevada), Inc.                                                     | 2021301196 | Siemens Healthcare Diagnostics Inc.                                                                 |
| 2019384136 | Regeneron Pharmaceuticals, Inc.                                                           | 2021304124 | HAI Robotics Co., Ltd.                                                                              |
| 2019390253 | ICSIP Pty Ltd                                                                             | 2021306282 | Weave Grid, Inc.                                                                                    |
| 2019418259 | Noahm Inc.                                                                                | 2021315565 | New York Air Brake, LLC                                                                             |
| 2019420098 | Halliburton Energy Services, Inc.                                                         | 2021318189 | Baker Hughes Oilfield Operations LLC                                                                |
| 2019440945 | Pontificia Universidad Católica de Chile                                                  | 2021319366 | ByHealth Co., Ltd.                                                                                  |
| 2020235666 | IntraMont Technologies, Inc.                                                              | 2021320048 | Telefonaktiebolaget LM Ericsson (Publ)                                                              |
| 2020265827 | Waltz, K.                                                                                 | 2021327809 | Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.                                     |
| 2020269416 | Zimmermann, R.                                                                            | 2021331239 | International Business Machines Corporation                                                         |
| 2020270242 | AbMax BioPharmaceuticals                                                                  | 2021333082 | ITRONICS LIMITED                                                                                    |
| 2020277233 | McCloskey, J.C.                                                                           | 2021336742 | Ocado Innovation Limited                                                                            |
| 2020281743 | Inventio AG                                                                               | 2021341865 | ORIGIANT PHARMACEUTICAL CO., LTD                                                                    |
| 2020289850 | MedImmune Limited                                                                         | 2021344023 | FUJIFILM Business Innovation Corp.                                                                  |
| 2020316414 | Guangdong Industry Polytechnic; Guangdong Innovative Technical College                    | 2021345218 | Fluid Handling LLC                                                                                  |
| 2020319665 | Kraftanlagen Energies & Services SE                                                       | 2021351210 | International Business Machines Corporation                                                         |
| 2020346256 | Rheinmetall Landsysteme GmbH                                                              | 2021353091 | BOSTON SCIENTIFIC NEUROMODULATION CORPORATION                                                       |
| 2020357635 | Schroedel, H.                                                                             | 2021354757 | HUECK FOLIEN GESELLSCHAFT M.B.H.                                                                    |
| 2020358156 | ViiV Healthcare Company; Janssen Sciences Ireland Unlimited Company                       | 2021357884 | JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; TOKYO INSTITUTE OF TECHNOLOGY                         |
| 2020372948 | Simpson Strong-Tie Company Inc.                                                           | 2021365696 | NIPPON STEEL CORPORATION                                                                            |
| 2020373017 | Novartis AG                                                                               | 2021366691 | Regeneron Pharmaceuticals, Inc.                                                                     |
| 2020385107 | Caterpillar Inc.                                                                          | 2021373128 | CHINA MOBILE (SUZHOU) SOFTWARE TECHNOLOGY CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.    |
| 2020387322 | GI Cell, Inc.                                                                             | 2021375609 | INTERNATIONAL BUSINESS MACHINES CORPORATION                                                         |
| 2020387479 | GI Cell, Inc.                                                                             | 2021376025 | 1S1 ENERGY, INC.                                                                                    |
| 2020391280 | GI Cell, Inc.                                                                             | 2021386360 | COLGATE-PALMOLIVE COMPANY                                                                           |
| 2020397131 | ZTE Corporation                                                                           | 2021392592 | Weber-Stephen Products LLC                                                                          |
| 2020401242 | Inventio AG                                                                               | 2021402336 | CRRC Yangtze Co., Ltd.                                                                              |
| 2020403849 | Inventio AG                                                                               | 2021403084 | NORTHROP GRUMMAN SYSTEMS CORPORATION                                                                |
| 2020407624 | Hospira, Inc.                                                                             | 2021403197 | BIOLITE, INC.                                                                                       |
| 2020407675 | Mitsubishi Shipbuilding Co., Ltd.                                                         | 2021405417 | TOLMAR INTERNATIONAL LIMITED                                                                        |
| 2020407861 | Koninklijke Douwe Egberts B.V.                                                            | 2021405604 | INTERNATIONAL BUSINESS MACHINES CORPORATION                                                         |
| 2020409646 | Kingfa Sci. & Tech. Co., Ltd.                                                             | 2021411658 | KPC PHARMACEUTICALS, INC; SHANGHAI KUNHENG PHARMA-TECH CO., LTD                                     |
| 2020415654 | Komatsu Ltd.                                                                              | 2021416061 | BOSTON SCIENTIFIC SCIMED, INC.                                                                      |
| 2020430989 | Takahashi, K.                                                                             | 2022200016 | The Trustees of the University of Pennsylvania                                                      |
| 2020455613 | Ningde Amperex Technology Limited                                                         | 2022200524 | Broinowski, S.                                                                                      |
| 2020456769 | GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.                                                   | 2022200540 | Syqe Medical Ltd.                                                                                   |
| 2020470244 | HUAWEI TECHNOLOGIES CO., LTD.                                                             | 2022201274 | Fisher & Paykel Healthcare Limited                                                                  |
| 2020472387 | NIPPON TELEGRAPH AND TELEPHONE CORPORATION                                                | 2022201534 | Transocean Innovation Labs Ltd                                                                      |
| 2020481327 | Shenzhen Shokz Co., Ltd.                                                                  | 2022201626 | Stryker Corporation                                                                                 |
| 2020483987 | Yu, R.                                                                                    | 2022201815 | GeoTech Technologies Ltd.                                                                           |
| 2021200638 | Children's Medical Center Corporation                                                     | 2022202252 | Snap-on Incorporated                                                                                |
| 2021202853 | Centese, Inc.                                                                             | 2022202338 | Magic Leap, Inc.                                                                                    |
| 2021203313 | INA Acquisition Corp.                                                                     | 2022202418 | ImmunoGen, Inc.                                                                                     |
| 2021203467 | SanBio, Inc.                                                                              | 2022202487 | DexCom, Inc.                                                                                        |
| 2021204040 | Eli Lilly and Company                                                                     | 2022202556 | The Trustees of the University of Pennsylvania; The Regents of the University of California         |
| 2021205080 | Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation                      | 2022202864 | eFFECTOR Therapeutics, Inc.                                                                         |
| 2021208441 | Gebr. Pfeiffer SE                                                                         |            |                                                                                                     |
| 2021213892 | Ocado Innovation Limited                                                                  |            |                                                                                                     |
| 2021218141 | Oregon Health & Science University; Vir Biotechnology, Inc.; Triad National Security, LLC |            |                                                                                                     |
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| 2022203486 | Yuhan Corporation                                                      | 2023203904 | The Chamberlain Group LLC                                                                               |
| 2022203732 | Intuit Inc.                                                            | 2023204211 | DRAEGER SAFETY AG & CO. KGAA                                                                            |
| 2022203786 | Biotome Pty Ltd                                                        | 2023233081 | Koekstone IP Pty Ltd                                                                                    |
| 2022204410 | Air Products and Chemicals, Inc.                                       | 2023251511 | Tau Motors, Inc.                                                                                        |
| 2022204648 | Amgen Inc.                                                             | 2023270340 | RESEARCH CENTER OF INTELLIGENT EQUIP-<br>MENT, BEIJING ACADEMY OF AGRICULTURAL AND<br>FORESTRY SCIENCES |
| 2022207740 | JANSSEN PHARMACEUTICALS, INC.                                          | 2023274058 | WANG, S.                                                                                                |
| 2022209338 | Corn Products Development, Inc.; Ingredion Singapore<br>Pte. Ltd.      | 2023278023 | Inari Medical, Inc.                                                                                     |
| 2022211810 | Atlas Copco Airpower, Naamloze Vennootschap                            | 2023285751 | Psilo Scientific Ltd                                                                                    |
| 2022211874 | SodaStream Industries Ltd.                                             | 2023355065 | DANHER, S.                                                                                              |
| 2022212028 | IVEENA DELIVERY SYSTEMS, INC.                                          | 2024200209 | Scarab Genomics, LLC                                                                                    |
| 2022213434 | VALENT BIOSCIENCES LLC                                                 | 2024200217 | THE EIGHTH AFFILIATED HOSPITAL, SUN YAT-SEN<br>UNIVERSITY                                               |
| 2022215124 | KAHN, S.V.; ENGELKE, W.G.H.                                            |            |                                                                                                         |
| 2022215296 | SWISS KRONO Tec AG                                                     |            |                                                                                                         |
| 2022215571 | E INK CORPORATION                                                      |            |                                                                                                         |
| 2022215952 | OCTOPUS ENERGY HEATING LIMITED                                         |            |                                                                                                         |
| 2022217899 | OCTOPUS ENERGY HEATING LIMITED                                         |            |                                                                                                         |
| 2022221470 | Air Products and Chemicals, Inc.                                       |            |                                                                                                         |
| 2022235621 | Snap-on Incorporated                                                   |            |                                                                                                         |
| 2022241539 | ENVIZ CO PTY LTD                                                       |            |                                                                                                         |
| 2022244795 | NANTONG JIANGSHAN AGROCHEMICAL & CHEM-<br>ICALS CO., LTD.              |            |                                                                                                         |
| 2022246383 | Coulter Ventures LLC                                                   |            |                                                                                                         |
| 2022252792 | Wing Aviation LLC                                                      |            |                                                                                                         |
| 2022252820 | LG Electronics Inc.                                                    |            |                                                                                                         |
| 2022252845 | GUANGDONG OPPO MOBILE TELECOMMUNICA-<br>TIONS CORP., LTD.              |            |                                                                                                         |
| 2022268357 | Torqueedo GmbH                                                         |            |                                                                                                         |
| 2022268392 | MKB Company, LLC; Huesker, Inc.                                        |            |                                                                                                         |
| 2022271504 | Huaneng Clean Energy Research Institute                                |            |                                                                                                         |
| 2022271505 | LG Electronics Inc.                                                    |            |                                                                                                         |
| 2022275419 | Becton Dickinson France                                                |            |                                                                                                         |
| 2022279383 | Zhejiang Aiko Solar Energy Technology Co., Ltd.                        |            |                                                                                                         |
| 2022279476 | Getac Technology Corporation                                           |            |                                                                                                         |
| 2022283619 | ImmunityBio, Inc.                                                      |            |                                                                                                         |
| 2022283654 | Becton Dickinson France                                                |            |                                                                                                         |
| 2022283702 | Becton Dickinson France                                                |            |                                                                                                         |
| 2022283789 | Fisher & Paykel Healthcare Limited                                     |            |                                                                                                         |
| 2022287585 | Dexcom, Inc.                                                           |            |                                                                                                         |
| 2022291451 | Xolution Technology GmbH                                               |            |                                                                                                         |
| 2022291525 | Kabushiki Kaisha Toyota Jidoshokki                                     |            |                                                                                                         |
| 2022292046 | INTERNATIONAL BUSINESS MACHINES CORPORA-<br>TION                       |            |                                                                                                         |
| 2022313201 | SOLAIREX INNOVATIVE RESEARCH INC.                                      |            |                                                                                                         |
| 2022352515 | BEIJING GOLDWIND SCIENCE & CREATION WIND-<br>POWER EQUIPMENT CO., LTD. |            |                                                                                                         |
| 2022373184 | GRIP HOLDINGS LLC                                                      |            |                                                                                                         |
| 2022375208 | GENODX PTY LTD                                                         |            |                                                                                                         |
| 2022382268 | MEMBION GMBH                                                           |            |                                                                                                         |
| 2022408198 | SUZHOU INNOVATIVE SPORTS GOODS CO., LTD.                               |            |                                                                                                         |
| 2022425345 | HOLLISTER INCORPORATED                                                 |            |                                                                                                         |
| 2023200001 | SAMSUNG ELECTRONICS CO., LTD.                                          |            |                                                                                                         |
| 2023200047 | Getac Technology Corporation                                           |            |                                                                                                         |
| 2023200172 | LG Electronics Inc.                                                    |            |                                                                                                         |
| 2023200213 | University of Virginia Patent Foundation                               |            |                                                                                                         |
| 2023200253 | Halliburton Energy Services, Inc.                                      |            |                                                                                                         |
| 2023200341 | Nippon Steel Corporation                                               |            |                                                                                                         |
| 2023200344 | Incyte Corporation                                                     |            |                                                                                                         |
| 2023200658 | YETI Coolers, LLC                                                      |            |                                                                                                         |
| 2023200777 | Becton, Dickinson and Company                                          |            |                                                                                                         |
| 2023200908 | Huawei Technologies Co., Ltd.                                          |            |                                                                                                         |
| 2023200923 | National University of Singapore                                       |            |                                                                                                         |
| 2023200982 | Yokogawa Electric Corporation                                          |            |                                                                                                         |
| 2023201208 | Boston Scientific Neuromodulation Corporation                          |            |                                                                                                         |
| 2023201502 | Canva Pty Ltd                                                          |            |                                                                                                         |
| 2023202264 | Huawei Technologies Co., Ltd.                                          |            |                                                                                                         |
| 2023202311 | Indian Oil Corporation Limited; Department of Biotech-<br>nology       |            |                                                                                                         |
| 2023202533 | Trans Tank International Pty Ltd                                       |            |                                                                                                         |
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| <b><u>A01N 57 /-</u></b> | <b><u>A23L 2 /-</u></b>                | 2018374621<br>2018389080                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2017252128<br>2018266784<br>2022283619                                                                                                                                                                                                     | 2018290190<br>2018372766<br>2022201274<br>2022283789                             |
| 2022244795               | 2019236227<br>2022209338<br>2022211874 | <b><u>A61B 5 /-</u></b>                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 47 /-</u></b>                                                                                                                                                                                                                   | <b><u>A61M 25 /-</u></b>                                                         |
| <b><u>A01N 59 /-</u></b> | <b><u>A23L 23 /-</u></b>               | 2018354718<br>2022202487<br>2022215124<br>2022287585<br>2023200213                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2018388577<br>2018419112<br>2019212565<br>2019264364<br>2019384136<br>2020373017<br>2021366691<br>2022202418                                                                                                                               | 2019229186                                                                       |
| 2018282382               | 2022209338                             | <b><u>A61B 50 /-</u></b>                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 33 /-</u></b>                                                                                                                                                                                                                   | <b><u>A61M 27 /-</u></b>                                                         |
| <b><u>A01N 65 /-</u></b> | <b><u>A23L 27 /-</u></b>               | 2022201626                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2020277233<br>2022212028                                                                                                                                                                                                                   | 2021202853                                                                       |
| 2021234359               | 2019236227                             | <b><u>A61C 13 /-</u></b>                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 35 /-</u></b>                                                                                                                                                                                                                   | <b><u>A61M 29 /-</u></b>                                                         |
| <b><u>A01P 13 /-</u></b> | <b><u>A23L 29 /-</u></b>               | 2018227440<br>2018257921<br>2019282239<br>2019377141<br>2020387322<br>2020387479<br>2020391280<br>2021203467<br>2021403197<br>2022283619 |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2018227440<br>2018257921<br>2019282239<br>2019377141<br>2020387322<br>2020387479<br>2020391280<br>2021203467<br>2021403197<br>2022283619                                                                                                   | 2019229186                                                                       |
| 2021234359<br>2022244795 | 2022209338                             | <b><u>A61F 13 /-</u></b>                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 48 /-</u></b>                                                                                                                                                                                                                   | <b><u>A61M 35 /-</u></b>                                                         |
| <b><u>A21D 13 /-</u></b> | <b><u>A23L 3 /-</u></b>                | 2018267129                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2017261292<br>2018227440<br>2022200016<br>2022202556                                                                                                                                                                                       | 2018337027                                                                       |
| 2019217670               | 2018282382                             | <b><u>A61F 2 /-</u></b>                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 49 /-</u></b>                                                                                                                                                                                                                   | <b><u>A61M 37 /-</u></b>                                                         |
| <b><u>A21D 2 /-</u></b>  | <b><u>A23L 33 /-</u></b>               | 2018331956                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2021416061                                                                                                                                                                                                                                 | 2018280236                                                                       |
| 2019217670               | 2021319366<br>2021403197               | 2020265827                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                    | <b><u>A61K 6 /-</u></b>                                                                                                                                                                                                                    | <b><u>A61M 39 /-</u></b>                                                         |
| <b><u>A23B 7 /-</u></b>  | <b><u>A23L 9 /-</u></b>                | <b><u>A61F 5 /-</u></b>                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                    | 2020235666                                                                                                                                                                                                                                 | 2018290190<br>2021405417                                                         |
| 2018282382               | 2022209338                             | 2023285751                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                            |                                                                                  |

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|                   |                                        |                   |                   |                   |                   |
|-------------------|----------------------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>A61M 5 /-</b>  | 2020358156<br>2021218141<br>2023200344 | 2022246383        | <b>B02C 23 /-</b> | <b>B30B 5 /-</b>  | <b>B62D 15 /-</b> |
| 2018280236        |                                        | <b>A63B 19 /-</b> | 2019223264        | 2022215296        | 2018333452        |
| 2019214394        | <b>A61P 33 /-</b>                      | 2022408198        | <b>B03C 1 /-</b>  | <b>B31D 1 /-</b>  | <b>B62D 25 /-</b> |
| 2021204040        |                                        | <b>A63B 21 /-</b> | 2019420098        | 2017441015        | 2019226575        |
| 2021405417        | 2017258882                             | 2022246383        | <b>B05D 3 /-</b>  | <b>B31D 5 /-</b>  | <b>B62D 35 /-</b> |
| 2022275419        | 2018241231                             | <b>A63B 23 /-</b> | 2019265476        | 2021236071        | 2019226575        |
| 2022283654        | <b>A61P 35 /-</b>                      | 2022246383        | <b>B22D 1 /-</b>  | <b>B32B 37 /-</b> | <b>B62D 53 /-</b> |
| 2022283702        | 2017364473                             | <b>A63B 71 /-</b> | 2020430989        | 2018293556        | 2019226575        |
| 2023200777        | 2018266784                             | 2019373764        | <b>B22D 11 /-</b> | <b>B32B 7 /-</b>  | <b>B63B 25 /-</b> |
| <b>A61M 60 /-</b> | 2018284101                             | <b>B01D 11 /-</b> | 2019338592        | 2022268392        | 2020407675        |
| 2018280236        | 2018374564                             | 2023285751        | <b>B22D 35 /-</b> | <b>B32B 9 /-</b>  | <b>B63B 35 /-</b> |
| <b>A61N 1 /-</b>  | 2019232478                             | <b>B01D 15 /-</b> | 2020430989        | 2018293556        | 2020269416        |
| 2018280236        | 2019260159                             | 2018387258        | <b>B22D 43 /-</b> | <b>B42D 25 /-</b> | <b>B63H 11 /-</b> |
| 2021353091        | 2019267959                             | <b>B01D 29 /-</b> | 2020430989        | 2021354757        | 2022200524        |
| 2023201208        | 2019272478                             | 2018432691        | <b>B23K 37 /-</b> | <b>B60C 23 /-</b> | <b>B63H 20 /-</b> |
| <b>A61P 1 /-</b>  | 2019282239                             | <b>B01D 53 /-</b> | 2022279383        | 2020357635        | 2022268357        |
| 2018298226        | 2019339703                             | 2022211810        | <b>B23P 19 /-</b> | <b>B60G 21 /-</b> | <b>B63H 23 /-</b> |
| 2024200217        | 2019343850                             | 2022271504        | 2022235621        | 2021294428        | 2022268357        |
| <b>A61P 11 /-</b> | 2019377141                             | <b>B01D 63 /-</b> | <b>B25B 23 /-</b> | <b>B60K 15 /-</b> | <b>B64C 1 /-</b>  |
| 2024200217        | 2020270242                             | 2022382268        | 2022373184        | 2023202533        | 2018282360        |
| <b>A61P 13 /-</b> | 2020387322                             | <b>B01D 71 /-</b> | <b>B25B 27 /-</b> | <b>B60L 50 /-</b> | 2018282478        |
| 2022207740        | 2020391280                             | 2018369018        | 2022235621        | 2018359330        | <b>B64C 39 /-</b> |
| 2024200217        | 2021205080                             | <b>B01F 23 /-</b> | <b>B25B 7 /-</b>  | <b>B60L 53 /-</b> | 2022252792        |
| <b>A61P 19 /-</b> | 2021366691                             | 2022211874        | 2022202252        | 2021306282        | <b>B64D 1 /-</b>  |
| 2019440945        | 2022202418                             | <b>B01J 2 /-</b>  | <b>B25G 1 /-</b>  | <b>B60P 3 /-</b>  | 2022252792        |
| 2020387479        | 2022283619                             | 2022213434        | 2022202252        | 2023202533        | 2023270340        |
| 2024200217        | 2023200344                             | <b>B01J 20 /-</b> | <b>B25H 3 /-</b>  | <b>B60P 7 /-</b>  | <b>B64D 11 /-</b> |
| <b>A61P 21 /-</b> | <b>A61P 37 /-</b>                      | 2018387258        | 2019281523        | 2023274058        | 2018282360        |
| 2021261907        | 2017258882                             | <b>B01J 3 /-</b>  | <b>B27N 1 /-</b>  | <b>B60R 11 /-</b> | <b>B65B 55 /-</b> |
| <b>A61P 25 /-</b> | 2018270772                             | 2022211810        | 2022215296        | 2019281523        | 2021238329        |
| 2018257921        | 2019440945                             | <b>B01J 31 /-</b> | <b>B27N 3 /-</b>  | <b>B60T 17 /-</b> | <b>B65B 57 /-</b> |
| 2019264364        | 2020270242                             | 2019265476        | 2022215296        | 2021315565        | 2021238329        |
| 2019440945        | <b>A61P 39 /-</b>                      | <b>B01J 39 /-</b> | <b>B29B 17 /-</b> | <b>B61B 13 /-</b> | <b>B65B 61 /-</b> |
| 2021403197        | 2021200638                             | 2021376025        | 2019278617        | 2021294428        | 2021238329        |
| 2024200217        | <b>A61P 5 /-</b>                       | <b>B02C 15 /-</b> | <b>B29D 11 /-</b> | <b>B61F 5 /-</b>  | <b>B65D 17 /-</b> |
| <b>A61P 27 /-</b> | 2021411658                             | 2021208441        | 2019213690        | 2019261331        | 2022291451        |
| 2019212565        | 2021411658                             | <b>B02C 2 /-</b>  | <b>B29K 69 /-</b> | 2021402336        | <b>B65D 51 /-</b> |
| 2022212028        | 2024200217                             | 2019223264        | 2018369018        | <b>B62D 13 /-</b> | 2018399144        |
| <b>A61P 29 /-</b> | <b>A61Q 19 /-</b>                      |                   |                   |                   |                   |
| 2020387479        | 2019226300                             |                   |                   |                   |                   |
| 2021341865        | <b>A62B 18 /-</b>                      |                   |                   |                   |                   |
| <b>A61P 3 /-</b>  | 2022201274                             |                   |                   |                   |                   |
| 2019440945        | <b>A62B 35 /-</b>                      |                   |                   |                   |                   |
| 2021411658        | 2018273077                             |                   |                   |                   |                   |
| 2024200217        | <b>A63B 17 /-</b>                      |                   |                   |                   |                   |
| <b>A61P 31 /-</b> |                                        |                   |                   |                   |                   |
| 2018241231        |                                        |                   |                   |                   |                   |
| 2019343850        |                                        |                   |                   |                   |                   |
| 2020277233        |                                        |                   |                   |                   |                   |

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| <b><u>B65D 81 /-</u></b>  | 2018417610                | 2019232478                | <b><u>C07D 513 /-</u></b> | <b><u>C08B 30 /-</u></b>  | <b><u>C09D 163 /-</u></b> |
| 2018399144                | <b><u>C04B 20 /-</u></b>  | <b><u>C07D 241 /-</u></b> | 2019288262                | 2022209338                | 2019265476                |
| 2019361309                | 2021266574                | 2018439206                | <b><u>C07D 519 /-</u></b> | <b><u>C08B 37 /-</u></b>  | <b><u>C09D 167 /-</u></b> |
| <b><u>B65D 83 /-</u></b>  | <b><u>C04B 7 /-</u></b>   | 2019260159                | 2019272478                | 2018289438                | 2019265476                |
| 2019224039                | 2021266574                | <b><u>C07D 247 /-</u></b> | 2022202418                | 2021416061                | <b><u>C09D 175 /-</u></b> |
| <b><u>B65D 90 /-</u></b>  | <b><u>C05B 17 /-</u></b>  | 2022202864                | <b><u>C07F 5 /-</u></b>   | <b><u>C08F 20 /-</u></b>  | <b><u>C09D 183 /-</u></b> |
| 2023202533                | 2018211904                | <b><u>C07D 249 /-</u></b> | 2021376025                | 2019265476                | 2019218975                |
| <b><u>B65F 1 /-</u></b>   | <b><u>C05D 9 /-</u></b>   | 2019384136                | <b><u>C07F 9 /-</u></b>   | <b><u>C08F 283 /-</u></b> | <b><u>C09D 183 /-</u></b> |
| 2019302569                | 2019214459                | <b><u>C07D 265 /-</u></b> | 2019232478                | 2019218975                | 2020407624                |
| <b><u>B65G 1 /-</u></b>   | <b><u>C05F 11 /-</u></b>  | 2018439206                | 2023285751                | <b><u>C08F 8 /-</u></b>   | <b><u>C09D 5 /-</u></b>   |
| 2021213892                | 2018211904                | <b><u>C07D 267 /-</u></b> | <b><u>C07H 15 /-</u></b>  | 2019265476                | 2019204250                |
| 2021304124                | <b><u>C05G 3 /-</u></b>   | 2021268573                | 2019236227                | <b><u>C08G 18 /-</u></b>  | 2019265476                |
| 2021336742                | <b><u>C07C 209 /-</u></b> | <b><u>C07D 271 /-</u></b> | <b><u>C07H 17 /-</u></b>  | <b><u>C08G 59 /-</u></b>  | <b><u>C09G 1 /-</u></b>   |
| <b><u>B66B 1 /-</u></b>   | 2018387013                | 2019440945                | 2019384136                | 2019218975                | 2018369353                |
| 2020281743                | <b><u>C07C 211 /-</u></b> | <b><u>C07D 295 /-</u></b> | <b><u>C07H 21 /-</u></b>  | <b><u>C08G 63 /-</u></b>  | <b><u>C10L 3 /-</u></b>   |
| <b><u>B66B 5 /-</u></b>   | 2018377588                | 2022204648                | 2022200016                | 2019265476                | 2022221470                |
| 2020401242                | <b><u>C07C 213 /-</u></b> | <b><u>C07D 307 /-</u></b> | 2024200209                | <b><u>C08G 63 /-</u></b>  | <b><u>C11D 1 /-</u></b>   |
| <b><u>B66B 9 /-</u></b>   | 2018353150                | 2018369018                | <b><u>C07K 1 /-</u></b>   | 2019265476                | 2021386360                |
| 2020403849                | 2018377588                | 2019276047                | 2024200209                | <b><u>C08J 11 /-</u></b>  | <b><u>C11D 3 /-</u></b>   |
| <b><u>B66C 1 /-</u></b>   | <b><u>C07C 215 /-</u></b> | <b><u>C07D 401 /-</u></b> | <b><u>C07K 14 /-</u></b>  | 2019278617                | 2021386360                |
| 2019223264                | 2018377588                | 2019260159                | 2017258882                | <b><u>C08J 3 /-</u></b>   | <b><u>C12G 3 /-</u></b>   |
| 2019282463                | <b><u>C07C 215 /-</u></b> | 2019440945                | 2018275270                | 2018326547                | 2023200923                |
| <b><u>B66F 9 /-</u></b>   | 2018377588                | 2021411658                | 2019206573                | 2019265476                | <b><u>C12M 1 /-</u></b>   |
| 2018229565                | <b><u>C07C 233 /-</u></b> | <b><u>C07D 403 /-</u></b> | 2020387322                | 2021254760                | 2018337027                |
| <b><u>B67D 1 /-</u></b>   | 2019384136                | 2021341865                | 2020391280                | <b><u>C08J 5 /-</u></b>   | <b><u>C12N 1 /-</u></b>   |
| 2019224039                | <b><u>C07C 51 /-</u></b>  | <b><u>C07D 409 /-</u></b> | 2022200016                | 2021376025                | 2020270242                |
| 2022211874                | 2022213434                | 2019260159                | 2022202556                | <b><u>C08K 3 /-</u></b>   | 2021319366                |
| <b><u>C01B 13 /-</u></b>  | 2023202311                | 2019267959                | 2022203786                | 2021254760                | 2024200209                |
| 2018282382                | <b><u>C07C 59 /-</u></b>  | <b><u>C07D 413 /-</u></b> | 2022207740                | <b><u>C08L 23 /-</u></b>  | <b><u>C12N 15 /-</u></b>  |
| <b><u>C01B 32 /-</u></b>  | 2023202311                | 2019305001                | 2022283619                | 2020409646                | 2018247923                |
| 2018293556                | <b><u>C07D 209 /-</u></b> | 2019339703                | 2024200209                | <b><u>C08L 33 /-</u></b>  | 2018247925                |
| <b><u>C01D 15 /-</u></b>  | 2023285751                | 2022203486                | <b><u>C07K 16 /-</u></b>  | 2019265476                | 2018256863                |
| 2019390253                | <b><u>C07D 213 /-</u></b> | <b><u>C07D 417 /-</u></b> | 2017234009                | <b><u>C08L 51 /-</u></b>  | 2019282239                |
| <b><u>C02F 1 /-</u></b>   | 2019260159                | <b><u>C07D 471 /-</u></b> | 2017258882                | 2019213690                | 2020270242                |
| 2018370379                | 2021411658                | 2019288262                | 2017261292                | <b><u>C08L 67 /-</u></b>  | 2020387322                |
| 2022221470                | 2022204648                | 2022202864                | 2017339711                | 2018326547                | 2022202556                |
| <b><u>C02F 101 /-</u></b> | <b><u>C07D 215 /-</u></b> | 2023200344                | 2017364473                | <b><u>C08L 67 /-</u></b>  | <b><u>C12N 5 /-</u></b>   |
| 2022221470                | 2023200344                | <b><u>C07D 473 /-</u></b> | 2019302995                | 2019265476                | 2020387322                |
| <b><u>C02F 103 /-</u></b> | <b><u>C07D 233 /-</u></b> | 2019232478                | <b><u>C07K 19 /-</u></b>  | <b><u>C08L 83 /-</u></b>  | 2020391280                |
| 2022221470                | 2019384136                | <b><u>C07D 487 /-</u></b> | 2019302995                | 2020409646                | 2021203467                |
| <b><u>C02F 3 /-</u></b>   | <b><u>C07D 239 /-</u></b> | 2019272478                | <b><u>C07K 5 /-</u></b>   | <b><u>C09D 151 /-</u></b> | 2022283619                |
|                           |                           | 2019288262                | 2019384136                | 2019218975                | 2017378336                |
|                           |                           |                           | <b><u>C07K 9 /-</u></b>   |                           |                           |
|                           |                           |                           | 2017258882                |                           |                           |

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| 2018227440               | <b><u>C22C 38 /-</u></b> | 2020415654               | <b><u>E21B 34 /-</u></b> | 2018288000                | 2022217899               |
| 2019282239               |                          |                          |                          |                           |                          |
| 2022202556               | 2021365696               | <b><u>E04B 1 /-</u></b>  | 2023200253               | <b><u>F16L 33 /-</u></b>  | <b><u>F28D 21 /-</u></b> |
| <b><u>C12N 9 /-</u></b>  | <b><u>C23C 2 /-</u></b>  | 2018203604               | <b><u>E21B 43 /-</u></b> | 2018288000                | 2019303989               |
| 2018256863               | 2021365696               | 2019272986               | 2021318189               | 2018392948                | <b><u>F28F 3 /-</u></b>  |
| 2018326547               | <b><u>C23C 22 /-</u></b> | <b><u>E04B 2 /-</u></b>  | <b><u>E21D 9 /-</u></b>  | <b><u>F16L 43 /-</u></b>  | 2019303989               |
| 2024200209               |                          | 2021203313               | 2019212080               | 2022203228                | <b><u>F28F 9 /-</u></b>  |
| <b><u>C12P 17 /-</u></b> | 2018389009               | <b><u>E04C 5 /-</u></b>  | <b><u>F03B 11 /-</u></b> | <b><u>F16M 13 /-</u></b>  | 2019303989               |
| 2018256863               | <b><u>C25B 1 /-</u></b>  | 2021203313               | 2021254256               | 2019202980                | <b><u>F41A 23 /-</u></b> |
| <b><u>C12P 7 /-</u></b>  | 2019276047               | <b><u>E04F 13 /-</u></b> | <b><u>F03B 13 /-</u></b> | <b><u>F17C 13 /-</u></b>  | 2020346256               |
| 2018256863               | <b><u>C25B 15 /-</u></b> | 2021203313               | 2021254256               | 2022211874                | <b><u>F41A 9 /-</u></b>  |
| <b><u>C12Q 1 /-</u></b>  | 2019276047               | <b><u>E04F 15 /-</u></b> | <b><u>F03B 3 /-</u></b>  | <b><u>F17C 6 /-</u></b>   | 2020346256               |
| 2017380257               | <b><u>D06F 58 /-</u></b> | 2023355065               | 2019323106               | 2020407675                | <b><u>F42B 3 /-</u></b>  |
| 2017381296               | 2022271505               | <b><u>E04F 19 /-</u></b> | 2021254256               | <b><u>F21V 21 /-</u></b>  | 2021224538               |
| 2018254753               | <b><u>D06F 71 /-</u></b> | 2023355065               | <b><u>F03D 7 /-</u></b>  | 2023233081                | <b><u>G01B 11 /-</u></b> |
| 2018337027               | 2022252820               | <b><u>E04G 21 /-</u></b> | 2022352515               | <b><u>F24D 11 /-</u></b>  | 2022291525               |
| 2018373494               | 2022271505               | 2018273077               | <b><u>F04B 39 /-</u></b> | 2022217899                | <b><u>G01C 19 /-</u></b> |
| 2018387258               | <b><u>D06F 73 /-</u></b> | <b><u>E04G 23 /-</u></b> | 2021260292               | <b><u>F24D 17 /-</u></b>  | 2021357884               |
| 2021205080               | 2022252820               | 2020372948               | <b><u>F04C 29 /-</u></b> | 2022215952                | <b><u>G01H 9 /-</u></b>  |
| 2022375208               | 2022271505               | 2021203313               | 2021260292               | 2022217899                | <b><u>G01H 9 /-</u></b>  |
| <b><u>C12R 1 /-</u></b>  | <b><u>D06F 73 /-</u></b> | <b><u>E04H 1 /-</u></b>  | <b><u>F15D 1 /-</u></b>  | <b><u>F24D 19 /-</u></b>  | 2018303340               |
| 2018211904               | 2022252820               | 2019272986               | 2022203228               | 2022215952                | <b><u>G01K 7 /-</u></b>  |
| 2021319366               | <b><u>D21F 11 /-</u></b> | <b><u>E04H 12 /-</u></b> | <b><u>F16B 21 /-</u></b> | 2022217899                | 2023204211               |
| <b><u>C22B 1 /-</u></b>  | 2017441015               | <b><u>E04H 12 /-</u></b> | <b><u>F16B 21 /-</u></b> | <b><u>F24F 11 /-</u></b>  | <b><u>G01N 21 /-</u></b> |
| 2019252587               | <b><u>D21H 27 /-</u></b> | 2023233081               | 2019281523               | 2021333082                | 2018337027               |
| <b><u>C22B 19 /-</u></b> | 2017441015               | <b><u>E05B 17 /-</u></b> | <b><u>F16B 23 /-</u></b> | <b><u>F24F 110 /-</u></b> | 2018389009               |
| 2019214459               | <b><u>E01B 2 /-</u></b>  | 2020385107               | 2022373184               | 2021333082                | 2019310451               |
| <b><u>C22B 23 /-</u></b> | 2022201815               | <b><u>E05B 47 /-</u></b> | <b><u>F16F 7 /-</u></b>  | <b><u>F24F 7 /-</u></b>   | <b><u>G01N 25 /-</u></b> |
| 2019252587               | <b><u>E01B 25 /-</u></b> | 2018383754               | 2019261331               | 2021333082                | 2022215296               |
| <b><u>C22B 26 /-</u></b> | 2021294428               | 2020385107               | <b><u>F16J 15 /-</u></b> | <b><u>F24H 15 /-</u></b>  | <b><u>G01N 27 /-</u></b> |
| 2019252587               | <b><u>E01C 3 /-</u></b>  | <b><u>E05B 65 /-</u></b> | 2018263240               | 2022215952                | 2023204211               |
| 2019390253               | 2022201815               | 2023200047               | 2018293446               | <b><u>F24H 4 /-</u></b>   | <b><u>G01N 3 /-</u></b>  |
| <b><u>C22B 3 /-</u></b>  | <b><u>E01C 9 /-</u></b>  | <b><u>E05C 5 /-</u></b>  | <b><u>F16K 1 /-</u></b>  | 2022217899                | 2018395057               |
| 2019214459               | 2021294428               | 2023200047               | 2021345218               | <b><u>F24H 7 /-</u></b>   | <b><u>G01N 30 /-</u></b> |
| 2019252587               | <b><u>E01F 8 /-</u></b>  | <b><u>E21B 21 /-</u></b> | <b><u>F16K 15 /-</u></b> | 2022217899                | 2018224205               |
| <b><u>C22B 47 /-</u></b> | 2018259164               | 2019420098               | 2021345218               | <b><u>F25D 25 /-</u></b>  | <b><u>G01N 33 /-</u></b> |
| 2019214459               | <b><u>E02B 15 /-</u></b> | <b><u>E21B 23 /-</u></b> | <b><u>F16K 27 /-</u></b> | 2021327809                | 2018224205               |
| 2019252587               | 2022268392               | 2018293446               | 2021345218               | <b><u>F25J 3 /-</u></b>   | 2018337027               |
| <b><u>C22B 7 /-</u></b>  | <b><u>E02D 31 /-</u></b> | 2023200253               | <b><u>F16L 15 /-</u></b> | 2022204410                | 2018342785               |
| 2019214459               | 2022201815               | <b><u>E21B 33 /-</u></b> | 2023200341               | <b><u>F28D 20 /-</u></b>  | 2018373494               |
| 2019252587               | <b><u>E02F 3 /-</u></b>  | 2018293446               | <b><u>F16L 23 /-</u></b> | 2020319665                | 2021205080               |
| <b><u>C22C 18 /-</u></b> | 2021365696               | 2022201534               |                          |                           | 2022203786               |
| 2021365696               | 2019282463               | 2023200253               |                          |                           | 2022375208               |
| <b><u>C22C 21 /-</u></b> | <b><u>E02F 9 /-</u></b>  |                          |                          |                           | <b><u>G01N 5 /-</u></b>  |
| 2021365696               | 2020385107               |                          |                          |                           |                          |

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|-------------------|------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|------------------------------------------------------|----------------------------------------|
| 2018342785        | 2018422587<br>2022252792                             | <b>G06T 19 /-</b>                      | 2019303989<br>2021254760                                           | <b>H02M 7 /-</b>                                     | <b>H04W 76 /-</b>                      |
| <b>G01P 15 /-</b> |                                                      | 2019204238<br>2022202338<br>2022241539 | <b>H01M 4 /-</b>                                                   | 2019298314                                           | 2021299844<br>2021320048               |
| 2021357884        | <b>G06F 1 /-</b>                                     |                                        | 2018293556<br>2018325256<br>2019390253<br>2020455613               | <b>H02S 20 /-</b>                                    |                                        |
| <b>G01R 21 /-</b> | 2022279476                                           | <b>G06T 3 /-</b>                       |                                                                    | 2020269416                                           | <b>H04W 8 /-</b>                       |
| 2018295115        | <b>G06F 11 /-</b>                                    | 2022291525                             |                                                                    | <b>H03K 17 /-</b>                                    | 2020470244                             |
| <b>G01R 22 /-</b> | 2021375609                                           | <b>G06T 7 /-</b>                       | <b>H01M 6 /-</b>                                                   | 2021331239                                           | <b>H04W 88 /-</b>                      |
| 2019218021        | <b>G06F 16 /-</b>                                    | 2019238323<br>2022291525               | 2019214459<br>2021263028                                           | <b>H03K 19 /-</b>                                    | 2023203553                             |
| <b>G01R 29 /-</b> | 2021351210<br>2022203732<br>2023201502               | <b>G06V 10 /-</b>                      |                                                                    | 2021331239                                           | <b>H05K 1 /-</b>                       |
| 2021403084        | <b>G06F 17 /-</b>                                    | 2022291525                             | <b>H01M 8 /-</b>                                                   | <b>H03K 3 /-</b>                                     | 2018327682<br>2021254760               |
| <b>G01V 8 /-</b>  |                                                      |                                        | 2021376025                                                         | 2021331239                                           | <b>H05K 5 /-</b>                       |
| 2018303340        | 2018376913                                           | <b>G06V 20 /-</b>                      | <b>H01Q 1 /-</b>                                                   | <b>H04L 12 /-</b>                                    | 2022279476<br>2023200001<br>2023200172 |
| <b>G02B 1 /-</b>  | <b>G06F 21 /-</b>                                    | 2022291525                             | 2023200001                                                         | 2023203553                                           |                                        |
| 2019213690        | 2019214998<br>2022203732                             | <b>G06V 40 /-</b>                      | <b>H01R 13 /-</b>                                                  | <b>H04L 67 /-</b>                                    | <b>H05K 7 /-</b>                       |
| <b>G02B 27 /-</b> | <b>G06F 3 /-</b>                                     | 2022291525                             | 2019223204<br>2019283799                                           | 2021373128                                           | 2019303989<br>2023200047<br>2023200172 |
| 2022202338        | 2019204238<br>2022202338<br>2022241539<br>2022287585 | <b>G07D 5 /-</b>                       | <b>H01R 24 /-</b>                                                  | <b>H04L 9 /-</b>                                     |                                        |
| <b>G02B 5 /-</b>  |                                                      | 2019352818                             | 2019223204                                                         | 2021373128                                           | <b>H10K 59 /-</b>                      |
| 2018399127        | <b>G06F 40 /-</b>                                    | <b>G07D 9 /-</b>                       | <b>H01R 4 /-</b>                                                   | <b>H04M 1 /-</b>                                     | 2023200172                             |
| <b>G02C 7 /-</b>  |                                                      | 2019352818                             | 2019223204<br>2022279383                                           | 2022279476<br>2023200001                             |                                        |
| 2019213690        | 2018376913<br>2023201502                             | <b>G09C 1 /-</b>                       | <b>H01R 43 /-</b>                                                  | <b>H04N 13 /-</b>                                    |                                        |
| <b>G02F 1 /-</b>  | <b>G06F 7 /-</b>                                     | 2020472387                             | 2022279383                                                         | 2022291525                                           |                                        |
| 2022215571        | 2022292046                                           | <b>G09F 9 /-</b>                       |                                                                    | <b>H04N 19 /-</b>                                    |                                        |
| <b>G03G 15 /-</b> | <b>G06F 8 /-</b>                                     | 2023200172                             | <b>H02B 1 /-</b>                                                   | 2019375315<br>2022252845<br>2023200908<br>2023202264 |                                        |
| 2021344023        | 2021373128                                           | <b>G10L 21 /-</b>                      | 2019283799                                                         |                                                      |                                        |
| <b>G03G 21 /-</b> | <b>G06N 10 /-</b>                                    | 2023202541                             | <b>H02G 3 /-</b>                                                   |                                                      |                                        |
| 2021344023        | 2021331239<br>2021405604                             | <b>G16B 20 /-</b>                      | 2019283799                                                         | <b>H04N 5 /-</b>                                     |                                        |
| <b>G05B 13 /-</b> | <b>G06N 20 /-</b>                                    | 2019233897                             | <b>H02J 3 /-</b>                                                   | 2023200172                                           |                                        |
| 2023200982        |                                                      | <b>G16B 30 /-</b>                      | 2020456769<br>2021290491<br>2021306282<br>2022313201<br>2022352515 | <b>H04R 9 /-</b>                                     |                                        |
| <b>G05B 15 /-</b> | 2018354718<br>2023201502                             | 2019233897                             | <b>H02K 23 /-</b>                                                  | 2020481327                                           |                                        |
| 2019304871        | <b>G06N 99 /-</b>                                    | <b>G16H 50 /-</b>                      |                                                                    | <b>H04W 4 /-</b>                                     |                                        |
| <b>G05B 17 /-</b> |                                                      | 2018354718                             | <b>H02J 7 /-</b>                                                   | 2020397131<br>2020470244                             |                                        |
| 2023200982        | 2019238323                                           | <b>H01H 13 /-</b>                      | 2018359330<br>2021294050<br>2021306282                             | <b>H04W 48 /-</b>                                    |                                        |
| <b>G05B 19 /-</b> | <b>G06Q 10 /-</b>                                    | 2018274879                             |                                                                    | 2021320048                                           |                                        |
| 2023200982        | 2022203732                                           | <b>H01L 27 /-</b>                      | <b>H02K 41 /-</b>                                                  | <b>H04W 52 /-</b>                                    |                                        |
| <b>G05B 23 /-</b> | <b>G06Q 50 /-</b>                                    | 2018399127<br>2023200172               | 2020483987                                                         | 2021320048                                           |                                        |
| 2023200982        | 2022241539                                           | <b>H01L 31 /-</b>                      |                                                                    | <b>H04W 64 /-</b>                                    |                                        |
| <b>G05B 99 /-</b> | <b>G06T 11 /-</b>                                    | 2022279383<br>2023202896               | 2023251511                                                         | 2021320048                                           |                                        |
| 2023203904        | 2023201502                                           | <b>H01M 10 /-</b>                      | <b>H02K 7 /-</b>                                                   | <b>H04W 72 /-</b>                                    |                                        |
| <b>G05D 1 /-</b>  | <b>G06T 13 /-</b>                                    | 2018325256                             | 2023251511                                                         |                                                      |                                        |
|                   | 2019204238                                           |                                        |                                                                    | 2020397131                                           |                                        |

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

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

- 
- (71) Saidian, S.  
(11) AU-B-2023100088  
(21) 2023100088 (22) 11.10.2023  
(54) Seismic restraint of ceilings  
(51) Int. Cl.  
    *E04B 9/30* ( 2006.01 )  
    *E04B 9/06* ( 2006.01 )  
    *E04B 9/16* ( 2006.01 )  
(45) 06.06.2024  
(62) 2021103213  
(72) Saidian, Sasan  
(74) Patentec Patent Attorneys



**Numerical Index**

2023100088 Saidian, S.

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**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| 2018328052 | <b>Pharmacosmos Holding A/s</b> ( Wrays Solutions Pty Ltd )                        |
| 2018386568 | <b>Intervet International B.V.</b> ( Boehringer Ingelheim Animal Health USA Inc. ) |
| 2021261924 | <b>Converter Manufacturing, LLC</b> ( Australian Plastics Pty Ltd )                |
| 2022100024 | <b>Ruminant Biotech Corp Limited</b> ( Wrays Solutions Pty Ltd )                   |
| 2023200195 | <b>Ruminant Biotech Corp Limited</b> ( Wrays Solutions Pty Ltd )                   |

**Opposition Withdrawn - Proceed to Grant**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| 2019302610 | <b>Chia Tai Tianqing Pharmaceutical Group Co., Ltd.</b> ( JAMES & WELLS IP PTY LTD ) |
|------------|--------------------------------------------------------------------------------------|

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2011268899 | 2016314781 | 2016378304 | 2016394956 |
| 2017210224 | 2017211712 | 2017286727 | 2017301117 |
| 2017312951 | 2017348475 | 2017366469 | 2017372711 |
| 2017377663 | 2017378996 | 2017390178 | 2017391780 |
| 2017412390 | 2017412631 | 2017426395 | 2017434607 |
| 2017437701 | 2017440031 | 2017440226 | 2017443982 |
| 2018202781 | 2018203301 | 2018204034 | 2018217120 |
| 2018217432 | 2018218003 | 2018225178 | 2018225312 |
| 2018226512 | 2018226614 | 2018229920 | 2018229974 |
| 2018230968 | 2018231405 | 2018232898 | 2018233011 |
| 2018234446 | 2018234903 | 2018242633 | 2018249566 |
| 2018254193 | 2018256453 | 2018258488 | 2018258681 |
| 2018260792 | 2018262341 | 2018265360 | 2018266850 |
| 2018267092 | 2018269704 | 2018271244 | 2018271246 |
| 2018271358 | 2018272057 | 2018274908 | 2018276309 |
| 2018287738 | 2018292030 | 2018292041 | 2018293135 |
| 2018293693 | 2018297056 | 2018297307 | 2018298006 |
| 2018298769 | 2018300596 | 2018303329 | 2018307011 |
| 2018309031 | 2018313067 | 2018313782 | 2018313842 |
| 2018315371 | 2018316796 | 2018319055 | 2018322825 |
| 2018326290 | 2018335227 | 2018341578 | 2018341793 |
| 2018341989 | 2018342227 | 2018343545 | 2018344571 |
| 2018349889 | 2018352118 | 2018355018 | 2018355671 |
| 2018360391 | 2018365755 | 2018366032 | 2018366174 |
| 2018368258 | 2018369875 | 2018371152 | 2018372781 |
| 2018373661 | 2018373696 | 2018374286 | 2018374526 |
| 2018375343 | 2018378207 | 2018379644 | 2018382954 |
| 2018382985 | 2018385259 | 2018386086 | 2018389831 |
| 2018390922 | 2018396752 | 2018405175 | 2018411014 |
| 2018412443 | 2018436592 | 2018450648 | 2019201187 |
| 2019202757 | 2019206704 | 2019207731 | 2019208139 |
| 2019208552 | 2019211145 | 2019211179 | 2019212996 |
| 2019216886 | 2019216889 | 2019216954 | 2019221649 |
| 2019222024 | 2019223980 | 2019226052 | 2019227407 |
| 2019234747 | 2019242360 | 2019245807 | 2019249451 |
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| 2019301598 | 2019304882 | 2019308940 | 2019313550 |
| 2019324316 | 2019325910 | 2019333044 | 2019340173 |
| 2019340705 | 2019346838 | 2019365382 | 2019368098 |
| 2019384474 | 2019414202 | 2019440085 | 2019451585 |

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2019465528 | 2019472977 | 2020202498 | 2020209217 |
| 2020214101 | 2020221056 | 2020221274 | 2020222299 |
| 2020228549 | 2020239677 | 2020239736 | 2020256049 |
| 2020281158 | 2020283011 | 2020289826 | 2020319113 |
| 2020322228 | 2020323503 | 2020328064 | 2020329106 |
| 2020333471 | 2020335099 | 2020338309 | 2020346362 |
| 2020351739 | 2020352589 | 2020354322 | 2020360013 |
| 2020363658 | 2020363978 | 2020371761 | 2020371777 |
| 2020373346 | 2020374041 | 2020375214 | 2020375506 |
| 2020384653 | 2020387144 | 2020387700 | 2020389341 |
| 2020401124 | 2020407121 | 2020408144 | 2020408413 |
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| 2020455471 | 2020455964 | 2020459846 | 2020470450 |
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| 2021204107 | 2021206908 | 2021206909 | 2021210097 |
| 2021214914 | 2021214938 | 2021216844 | 2021221764 |
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| 2021244306 | 2021244310 | 2021247535 | 2021251552 |
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| 2021260324 | 2021262264 | 2021266233 | 2021266734 |
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| 2021401661 | 2021413536 | 2021413737 | 2021422269 |
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| 2022200834 | 2022201054 | 2022201318 | 2022201412 |
| 2022201454 | 2022201537 | 2022201589 | 2022201607 |
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| 2022263591 | 2022268374 | 2022279544 | 2022283681 |
| 2022287577 | 2022287632 | 2022291604 | 2022310127 |
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| 2023200713 | 2023201043 | 2023201829 | 2023202570 |
| 2023202927 | 2023203020 | 2023203356 | 2023203520 |
| 2023219870 | 2023266373 |            |            |

**Innovation Patents**

2018102256

**Assignments Registered**

|            |             |                                                                                               |
|------------|-------------|-----------------------------------------------------------------------------------------------|
| 2015211352 | Aseko Inc.  | The patent has been assigned to <b>Glytec, LLC</b>                                            |
| 2015211378 | Aseko, Inc. | The patent has been assigned to <b>Glytec, LLC</b>                                            |
| 2015211382 | Aseko, Inc. | The patent has been assigned to <b>Glytec, LLC</b>                                            |
| 2015221430 | Vale S.A.   | The patent has been assigned to <b>Vale S.A.; ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV</b> |

**Assignments Registered**

2016308953 Aseko, Inc. The patent has been assigned to **Glytec, LLC**

2016344799 Vale S.A. The patent has been assigned to **Vale S.A.; ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV**

2017228767 Vale S.A. The patent has been assigned to **Vale S.A.; ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV**

2018200755 Vale S.A. The patent has been assigned to **Vale S.A.; ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV**

2018267703 Vale S.A. The patent has been assigned to **Vale S.A.; ASSOCIAÇÃO INSTITUTO TECNOLÓGICO VALE – ITV**

2018392922 Aseko, Inc. The patent has been assigned to **Glytec, LLC**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

2018227502 **MedImmune Limited**

The earliest first regulatory approval date provided by the patentee 24 Nov 2023

For the goods BEYFORTUS nirsevimab

**Applications Accepted**

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2016243700 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Address for service : FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2020200903 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Address for service : FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2020273282 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Address for service : FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2020294308 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Address for service : FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**Corrigenda**

In Vol 58 , No 20 , Page(s) 2858 under the heading **Amendments - Application for Amendments** Under the name BicycleTx Limited, Application No. 2018387417 correct the date of the statements filed to read 15 Dec 2023 and 03 May 2024

In Vol 58 , No 21 , Page(s) 3002 under the heading **Assignments Before Grant, Section 113 - 2023** Under the names William BREEN and Mario VALLESE, Application No. 2023901982, under INID (71) correct the applicant name to M & B PRODUCT INNOVATION PTY LTD

In Vol 58 , No 21 , Page(s) 3002 under the heading **Assignments Before Grant, Section 113 - 2024** Under the names William BREEN and Mario VALLESE, Application No. 2024200397, under INID (71) correct the applicant name to M & B PRODUCT INNOVATION PTY LTD

In Vol 58 , No 21 , Page(s) 3119 under the heading **Assignments Registered** Under the names William BREEN and Mario VALLESE, Application No. 2023208119, under INID (71) correct the applicant name to M & B PRODUCT INNOVATION PTY LTD

**Specifications Republished**

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

- 2018434968 **RepetCo Innovations, S.L.**
- 2020465340 **DAIKYO SEIKO, LTD.**
- 2020470801 **METSO OUTOTEC FINLAND OY**
- 2020470809 **Lignum IP LLC**
- 2020475491 **HASEBE, T.; GLOBAL VASCULAR CO., LTD.**
- 2021230969 **Nuovo Pignone Technologie - S.r.l.**
- 2021245143 **Nippon Steel Corporation; Vallourec Oil and Gas France**
- 2021326929 **SHANGHAI RINGENE BIOPHARMA CO., LTD.**
- 2021327238 **REGENERON PHARMACEUTICALS, INC.**
- 2021327743 **JENKINS, J.B.**
- 2021330430 **China UnionPay Co., Ltd.**
- 2021331104 **VIELE, S.**
- 2021333655 **HUYABIO INTERNATIONAL, LLC**
- 2021336825 **OFFICINE MACCAFERRI S.P.A.**
- 2021339452 **LG ELECTRONICS INC.**
- 2021339754 **JANSSEN BIOTECH, INC.**
- 2021339950 **FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH**
- 2021340269 **The HMZ Company Pty Ltd**
- 2021341461 **REMAB THERAPEUTICS SL**
- 2021342414 **CRYOPORT, INC.**
- 2021343520 **BECTON, DICKINSON AND COMPANY**
- 2021345381 **JETTI RESOURCES, LLC**
- 2021345477 **GOOGLE LLC**
- 2021346006 **Arctic Vision (Shanghai) Biotechnology Co., Ltd.**
- 2021346145 **RUAG AMMOTEC AG**
- 2021346997 **DAIKIN INDUSTRIES, LTD.**
- 2021347181 **PPG INDUSTRIES OHIO, INC.**
- 2021347232 **ERASCA, INC.**
- 2021347500 **AMGEN INC.**
- 2021348272 **UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS AGROPECUARIOS S.A.; UPL CORPORATION LIMITED**
- 2021349385 **SEAGEN INC.**
- 2021349774 **GOOGLE LLC**
- 2021350834 **RAYDIANT OXIMETRY, INC.**
- 2021352083 **SMART & GREEN MUKRAN CONCRETE GMBH**
- 2021352435 **KLOSE, S.**
- 2021354124 **LENOVO (SINGAPORE) PTE. LTD.**
- 2021355460 **ACENTIUM INC**

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 2021358028 PAYPAL, INC.  
 2021358654 LEOLABS, INC.  
 2021359068 INTERVET INTERNATIONAL B.V.  
 2021359327 LENOVO (SINGAPORE) PTE. LTD.  
 2021359800 LINDE GMBH  
 2021359896 DEERE & COMPANY  
 2021360124 CARDIOBIONIC PTY LTD  
 2021360193 GIVAUDAN SA  
 2021360228 DSM IP ASSETS B.V.; NOVOZYMES A/S  
 2021360411 BRISTOL-MYERS SQUIBB COMPANY; JANSSEN PHARMACEUTICA NV  
 2021360496 ALIGOS THERAPEUTICS, INC.  
 2021360580 NETFLIX, INC.  
 2021360661 MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH  
 2021361051 THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
 2021361063 PREVAIL THERAPEUTICS, INC.  
 2021362977 SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.  
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 2021373632 CAPITAL ONE SERVICES, LLC  
 2021373792 SELECTA BIOSCIENCES, INC.  
 2021373990 RANDOX LABORATORIES LTD  
 2021374230 ACCESS SOFTWARE AUSTRALIA PTY LTD  
 2021376642 GAMBRO LUNDIA AB  
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 2021379586 DELTA DEVELOPMENT TEAM, INC.  
 2021379770 SURROZEN OPERATING, INC.  
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 2021381550 Interdigital CE Patent Holdings, SAS  
 2021382634 NORTH AMERICAN PIPE CORPORATION; TRELLEBORG PIPE SEALS B.V.  
 2021384770 CATCH DATA IP HOLDINGS LTD.  
 2021385062 SCHLUMBERGER TECHNOLOGY B.V.  
 2021385548 DUKE UNIVERSITY; XILIS, INC.  
 2021386684 CHIESI FARMACEUTICI S.P.A.  
 2021387639 TRUMA GERÄTETECHNIK GMBH & CO. KG  
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 2021389120 LUMENIS LTD  
 2021389154 SCARAMUZZA, M.

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 2021396784 SEKISUI HOUSE, LTD.  
 2021397775 ABBOTT DIABETES CARE INC.  
 2021401884 PIONEER HI-BRED INTERNATIONAL, INC.  
 2021402248 TYCO FIRE PRODUCTS LP  
 2021403601 SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 2021404394 INTERNATIONAL BUSINESS MACHINES CORPORATION  
 2021409970 QUALCOMM INCORPORATED  
 2021411631 RISEN ENERGY CO. LTD