



**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<br/>Name Index</b> |                        | <b>D) Applications accepted - Name Index</b>    |                           |
| The <u>name</u> of the applicant                                | (71)                   | The <u>name</u> of the applicant                | (71)                      |
| The <u>number</u> of the document                               | (11)                   | The <u>number</u> of the document               | (11)                      |
| The <u>number</u> assigned to the application                   | (21)                   | The <u>number</u> of the accepted document      | (10)                      |
| The <u>date</u> of filing                                       | (22)                   | The <u>number</u> assigned to the application   | (21)                      |
| The <u>title</u>  | (54)                   | The <u>date</u> of filing                       | (22)                      |
| The <u>classification marks</u>                                 | (51)                   | The <u>title</u>                                | (54)                      |
| Priority document <u>number(s)</u>                              | (31)                   | The <u>classification marks</u>                 | (51)                      |
| <u>Date</u> of filing of priority document(s)                   | (32)                   | PCT publication <u>number</u>                   | (87)                      |
| <u>Country</u> in which priority document filed                 | (33)                   | Priority document <u>number</u>                 | (31)                      |
| Publication <u>date</u> of unexamined document                  | (43)                   | <u>Date</u> of filing of priority document(s)   | (32)                      |
| Inventors names if known  | (72)                   | <u>Country</u> in which priority document filed | (33)                      |
| <u>Patent Attorneys</u>   | (74)                   | Publication <u>date</u> of unexamined document  | (43)                      |

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 22 June 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Varden Process Pty Ltd v Ecoinno (H.K.) Limited [2023] APO 33***

Patent Application: 2017222026

Title: Cellulose materials and methods of making and using same

Patent Applicant: Ecoinno (H.K.) Limited

Opponent: Varden Process Pty Ltd

Delegate: Leslie F. McCaffery

Decision Date: 9 June 2023

Hearing Date: 16 March 2023 by videoconference

Catchwords: **PATENTS** – opposition under section 59 to the grant of a patent – claim construction – novelty – claims 1, 2, 11 and 12 lack novelty – inventive step – claims 1 to 5, 11 and 12 lack inventive step – support – claims are supported – clarity – claims are clear – opposition successful– applicant given 2 months to propose amendment of the specification to overcome the issues – costs awarded.

Representation: Counsel for the applicant: Ben Fitzpatrick, Counsel  
Patent attorney for the applicant: RNB IP  
Counsel for the opponent: Ian Horak, SC  
Patent attorney for the opponent: Argon IP

Dobbin, FB Rice

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 22 June 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Block, Inc. [2023] APO 34***

Patent Application: 2020204343

Title: Animation management in applications

Patent Applicant: Block, Inc.

Delegate: Neil Miller

Decision Date: 14 June 2023

Hearing Date: Written submissions filed on 9 September 2022

Catchwords: **PATENTS** - section 45 – Examiner Objections – Inventive Step –Manner of Manufacture – substance of the invention – disabling animations – Point of Sale – POS – user experience – user interface – processing speed – arrangement of information – animation management – application not directed to a manner of manufacture – application refused

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

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 6 Jun 2023 .

|  |  |   |
|--|--|---|
| (71) Brisse Pty Ltd<br>(21) 2023901734 (22) 01.06.2023<br>(54) A STRUCTURAL BRACE AND METHOD OF USE THEREOF  | (71) Clarity Pharmaceuticals Ltd<br>(21) 2023901717 (22) 31.05.2023<br>(54) Combination therapy with checkpoint inhibitors   | (71) Ezzy Fit Pty Ltd<br>(21) 2023901736 (22) 01.06.2023<br>(54) Building panels  |
| (71) BRYAN, B.J.<br>(21) 2023901707 (22) 31.05.2023<br>(54) A THIN SHEET MATERIAL DISPENSING CORE SYSTEM   | (71) Commonwealth Scientific and Industrial Research Organisation<br>(21) 2023901705 (22) 31.05.2023<br>(54) AQUEOUS CARBONACEOUS SLURRY FUEL  | (71) Fairweather, P.<br>(21) 2023901746 (22) 02.06.2023<br>(54) A LID ASSEMBLY FOR A CONTAINER  |
| (71) Calibrate Sports IP Pty Ltd<br>(21) 2023901711 (22) 31.05.2023<br>(54) A dynamic stability training system  | (71) Conrick, P.<br>(21) 2023901699 (22) 30.05.2023<br>(54) A LiDaR System   | (71) Fuller, J.; Ristevski, S.<br>(21) 2023901722 (22) 31.05.2023<br>(54) Portable cooling unit   |
| (71) Canopus Networks Pty Ltd<br>(21) 2023901715 (22) 31.05.2023<br>(54) A METAVERSE MONITORING APPARATUS AND PROCESS  | (71) Cumpson, P.<br>(21) 2023901724 (22) 31.05.2023<br>(54) Apparatus and method of discovery, and manufacture, of sensors for detection and quantitation of chemical species in fluids. | (71) Gale Pacific Limited<br>(21) 2023901690 (22) 30.05.2023<br>(54) Recyclable Printable Fabric  |
| (71) Carden, B.; Carden Jr, C.<br>(21) 2023901723 (22) 31.05.2023<br>(54) System and Method for Remotely Monitoring Health and Wellness Equipment Usage and Billing a User | (71) DoTalk Global Pty Ltd<br>(21) 2023901703 (22) 31.05.2023<br>(54) DoTalk One World One Language  | <b>Gauldie, S. see Gauldie, M.</b><br>(21) 2023901745   |
| <b>Carden Jr, C. see Carden, B.</b><br>(21) 2023901723   | (71) DuluxGroup (Australia) Pty Ltd<br>(21) 2023901752 (22) 02.06.2023<br>(54) OPACIFIED COATING COMPOSITION   | (71) Gauldie, M.; Gauldie, S.<br>(21) 2023901745 (22) 02.06.2023<br>(54) Spray Assembly   |
| (71) Chevallerau, M.<br>(21) 2023901748 (22) 02.06.2023<br>(54) Ladder Stabilisation Device  | (71) Elliot, R.J.<br>(21) 2023901733 (22) 01.06.2023<br>(54) A SUBSEA UNIT INCLUDING AN UMBILICAL CABLE  | (71) Gomez, R.<br>(21) 2023901751 (22) 02.06.2023<br>(54) Production of Hematite concentrate, Uranium oxide & rare earth oxides from IOCGU flotation tailings |
| (71) Clarity Pharmaceuticals Ltd<br>(21) 2023901713 (22) 31.05.2023<br>(54) Targeted dual administration cancer therapy  | (71) EYE VUE PTY LTD<br>(21) 2023901729 (22) 01.06.2023<br>(54) EYEWEAR ACCESSORY FOR USE WITH FACE MASKS  | (71) Graphene Manufacturing Group Ltd<br>(21) 2023901730 (22) 01.06.2023<br>(54) Graphene heat transfer   |
| (71) Clarity Pharmaceuticals Ltd<br>(21) 2023901714 (22) 31.05.2023<br>(54) Combination cancer therapy   |  | (71) Hollier, C.<br>(21) 2023901758 (22) 02.06.2023<br>(54) Surfboard Finplug Lock  |
|  |  | (71) Hydroxsys Holdings Limited<br>(21) 2023901754 (22) 02.06.2023<br>(54) IMPROVED MEMBRANES   |

Provisional Applications Filed - Name Index cont'd

(71) Icon23 Pty Ltd  
(21) 2023901755 (22) 02.06.2023  
(54) A puzzle

(71) IDIM Pty Ltd  
(21) 2023901762 (22) 02.06.2023  
(54) Systems and methods for manufacturing cutter drums

(71) IntelliLift Limited  
(21) 2023901686 (22) 30.05.2023  
(54) System and method for preventing solids build-up in gas wells

(71) Keyzell Holding S.L.  
(21) 2023901809 (22) 07.06.2023  
(54) Compositions for the treatment and prevention of cancer

(71) LANE, K.  
(21) 2023901710 (22) 31.05.2023  
(54) DRUM TUNER

(71) Leisure Technologies Pty Ltd  
(21) 2023901696 (22) 30.05.2023  
(54) Trailer Brake Steer

(71) Magellan Stem Cells Pty Ltd  
(21) 2023901742 (22) 02.06.2023  
(54) Cell line selected for therapeutic efficacy and related compositions and methods

(71) Magellan Stem Cells Pty Ltd  
(21) 2023901743 (22) 02.06.2023  
(54) Cell line 2 selected for therapeutic efficacy and related compositions and methods

(71) Magellan Stem Cells Pty Ltd  
(21) 2023901744 (22) 02.06.2023  
(54) Cell line 3 selected for therapeutic efficacy and related compositions and methods

McElligott, M. see Walsh, G.  
(21) 2023901700

(71) Messy Little Hands Pty Ltd  
(21) 2023901701 (22) 31.05.2023  
(54) A PAN AND A SCRAPER

(71) Newcrest Mining Limited  
(21) 2023901772 (22) 05.06.2023  
(54) STEEP PIT WALL MINING

(71) Novapharm Research (Australia) Pty Ltd  
(21) 2023901738 (22) 01.06.2023  
(54) Hydrogen peroxide evaporation control

(71) NPE IP PTY LTD  
(21) 2023901763 (22) 03.06.2023  
(54) A WASTE MANAGEMENT APPARATUS AND ASSOCIATED METHOD

(71) Oceania Defence Limited  
(21) 2023901708 (22) 31.05.2023  
(54) A Reloading System for a Firearm

(71) Omnibus157 Pty Limited  
(21) 2023901695 (22) 30.05.2023  
(54) Improved Ankle Brace

(71) Omnistream Australia Pty Ltd  
(21) 2023901692 (22) 30.05.2023  
(54) System and Method for Forecasting Retail Sales of Products

(71) Omnistream Australia Pty Ltd  
(21) 2023901693 (22) 30.05.2023  
(54) Multi Bin Packing Heuristics Algorithm to Create Product Placement Mudmap for Retail Stores

(71) Omnistream Australia Pty Ltd  
(21) 2023901694 (22) 30.05.2023  
(54) System and Method for Recommending of Heuristic Assumptions

(71) Paradigm Fuels Pty Ltd  
(21) 2023901706 (22) 31.05.2023  
(54) A System for Generating and Using NOx Gases in an Algae Growth System

(71) Perron Institute for Neurological and Translational Science Limited  
(21) 2023901712 (22) 31.05.2023  
(54) Antisense treatment for metabolic diseases

(71) Pilling, M.  
(21) 2023901759 (22) 02.06.2023  
(54) Not Alone

(71) Plowright, B.  
(21) 2023901698 (22) 30.05.2023  
(54) Waist Wire Feeder

(71) R5 Outcomes Pty Ltd  
(21) 2023901753 (22) 02.06.2023  
(54) PP-Slide Sampler for Sampling and Dividing Fine Materials

(71) Referboard Marketing Pty Ltd  
(21) 2023901718 (22) 31.05.2023  
(54) Content Matching System

(71) ResMed Pty Ltd  
(21) 2023901704 (22) 31.05.2023  
(54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) RESONANCE AUSTRALIA (PTY) LTD  
(21) 2023901732 (22) 01.06.2023  
(54) CUSTOMER ENGAGEMENT SYSTEM

(71) RIDGIDIDGE (NQ) Pty Ltd  
(21) 2023901765 (22) 04.06.2023  
(54) ANIMAL TREATMENT APPARATUS AND METHOD

Ristevski, S. see Fuller, J.  
(21) 2023901722

(71) Saluda Medical Pty Ltd  
(21) 2023901688 (22) 30.05.2023  
(54) Improved feedback control of neural stimulation

(71) Saluda Medical Pty Ltd  
(21) 2023901735 (22) 01.06.2023  
(54) Noise-robust feedback control of neural stimulation therapy

(71) Savage, A.  
(21) 2023901697 (22) 30.05.2023  
(54) Processes for Producing Agricultural Inoculants

(71) Schneider Electric (Australia) Pty Limited  
(21) 2023901737 (22) 01.06.2023  
(54) ELECTRICAL ENCLOSURE FOR SWITCHGEAR

(71) Seawright, W.  
(21) 2023901764 (22) 04.06.2023  
(54) MOUNTING SYSTEM

(71) Servatus Ltd  
(21) 2023901728 (22) 01.06.2023  
(54) Treatment of bacterial infections

(71) Signature Orthopaedics Europe Ltd.  
(21) 2023901725 (22) 01.06.2023  
(54) A neo angiogenesis bone implant

(71) SlumberTrek Australia Pty Ltd  
(21) 2023901687 (22) 30.05.2023  
(54) Anchor for portable shelter and a shelter assembly comprising same

Provisional Applications Filed - Name Index cont'd

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(71) SONFLOWER PTY LTD  
 (21) 2023901741 (22) 02.06.2023  
 (54) Improved Fuel Cells System

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(71) Steribright Pty Ltd  
 (21) 2023901726 (22) 01.06.2023  
 (54) METHOD AND SYSTEM FOR IMPROVED CONTROL OF INDOOR AIR QUALITY AND SURFACE AND AIR STERILIZATION

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(71) Steribright Pty Ltd  
 (21) 2023901727 (22) 01.06.2023  
 (54) A Sterilisation Device

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**St Vincent's Hospital (Melbourne) Limited see The University of Melbourne**  
 (21) 2023901716

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(71) The Florey Institute of Neuroscience and Mental Health  
 (21) 2023901720 (22) 31.05.2023  
 (54) Autophagy-inducing peptides

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(71) The University of Adelaide  
 (21) 2023901739 (22) 01.06.2023  
 (54) HYDROGEN PRODUCTION FROM SEAWATER

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(71) The University of Melbourne; University of Wollongong; St Vincent's Hospital (Melbourne) Limited  
 (21) 2023901716 (22) 31.05.2023  
 (54) APPARATUS FOR USE IN TISSUE REPAIR

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(71) The University of Queensland  
 (21) 2023901760 (22) 02.06.2023  
 (54) COMPOUNDS AND USES THEREFOR

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(71) The University of Sydney  
 (21) 2023901709 (22) 31.05.2023  
 (54) Phage-extracellular vesicle conjugate

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(71) The Walter and Eliza Hall Institute of Medical Research  
 (21) 2023901721 (22) 31.05.2023  
 (54) Memory T cell stimulation

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(71) TS&B Retail Systems Pty Ltd  
 (21) 2023901747 (22) 02.06.2023  
 (54) Checkout Station

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(71) Tye, J.B.  
 (21) 2023901731 (22) 01.06.2023  
 (54) WEARABLE BLOOD GLUCOSE DETECTION AND MANAGEMENT DEVICE

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(71) UniQuest Pty Ltd  
 (21) 2023901761 (22) 02.06.2023  
 (54) Transient Receptor Potential Vanilloid 6 Inhibitors

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**University of Wollongong see The University of Melbourne**  
 (21) 2023901716

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(71) Vitrafy Life Sciences Limited  
 (21) 2023901757 (22) 02.06.2023  
 (54) Packaging for preservation of biological material

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(71) Walsh, G.; McElligott, M.  
 (21) 2023901700 (22) 30.05.2023  
 (54) Conveyor Assembly

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(71) Xero Limited  
 (21) 2023901689 (22) 30.05.2023  
 (54) Systems and methods for comparing software code

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(71) Xero Limited  
 (21) 2023901691 (22) 30.05.2023  
 (54) Systems and methods for comparing structured data

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|-------------------|--|-------------------|-------------------------------|
| <b>2023901686</b> | IntelliLift Limited  | <b>2023901757</b> | Vitrafy Life Sciences Limited |
| <b>2023901687</b> | SlumberTrek Australia Pty Ltd  | <b>2023901758</b> | Hollier, C.                   |
| <b>2023901688</b> | Saluda Medical Pty Ltd   | <b>2023901759</b> | Pilling, M.                   |
| <b>2023901689</b> | Xero Limited   | <b>2023901760</b> | The University of Queensland  |
| <b>2023901690</b> | Gale Pacific Limited   | <b>2023901761</b> | UniQuest Pty Ltd              |
| <b>2023901691</b> | Xero Limited   | <b>2023901762</b> | IDIM Pty Ltd                  |
| <b>2023901692</b> | Omnistream Australia Pty Ltd   | <b>2023901763</b> | NPE IP PTY LTD                |
| <b>2023901693</b> | Omnistream Australia Pty Ltd   | <b>2023901764</b> | Seawright, W.                 |
| <b>2023901694</b> | Omnistream Australia Pty Ltd   | <b>2023901765</b> | RIDGIDIDGE (NQ) Pty Ltd       |
| <b>2023901695</b> | Omnibus157 Pty Limited   | <b>2023901772</b> | Newcrest Mining Limited       |
| <b>2023901696</b> | Leisure Technologies Pty Ltd   | <b>2023901809</b> | Keyzell Holding S.L.          |
| <b>2023901697</b> | Savage, A.   |                   |                               |
| <b>2023901698</b> | Plowright, B.  |                   |                               |
| <b>2023901699</b> | Conrick, P.  |                   |                               |
| <b>2023901700</b> | Walsh, G.; McElligott, M.  |                   |                               |
| <b>2023901701</b> | Messy Little Hands Pty Ltd   |                   |                               |
| <b>2023901703</b> | DoTalk Global Pty Ltd  |                   |                               |
| <b>2023901704</b> | ResMed Pty Ltd   |                   |                               |
| <b>2023901705</b> | Commonwealth Scientific and Industrial Research Organisation                                     |                   |                               |
| <b>2023901706</b> | Paradigm Fuels Pty Ltd   |                   |                               |
| <b>2023901707</b> | BRYAN, B.J.  |                   |                               |
| <b>2023901708</b> | Oceania Defence Limited  |                   |                               |
| <b>2023901709</b> | The University of Sydney   |                   |                               |
| <b>2023901710</b> | LANE, K.   |                   |                               |
| <b>2023901711</b> | Calibrate Sports IP Pty Ltd  |                   |                               |
| <b>2023901712</b> | Perron Institute for Neurological and Translational Science Limited                              |                   |                               |
| <b>2023901713</b> | Clarity Pharmaceuticals Ltd  |                   |                               |
| <b>2023901714</b> | Clarity Pharmaceuticals Ltd  |                   |                               |
| <b>2023901715</b> | Canopus Networks Pty Ltd   |                   |                               |
| <b>2023901716</b> | The University of Melbourne; University of Wollongong; St Vincent's Hospital (Melbourne) Limited |                   |                               |
| <b>2023901717</b> | Clarity Pharmaceuticals Ltd  |                   |                               |
| <b>2023901718</b> | Referboard Marketing Pty Ltd   |                   |                               |
| <b>2023901720</b> | The Florey Institute of Neuroscience and Mental Health   |                   |                               |
| <b>2023901721</b> | The Walter and Eliza Hall Institute of Medical Research  |                   |                               |
| <b>2023901722</b> | Fuller, J.; Ristevski, S.  |                   |                               |
| <b>2023901723</b> | Carden, B.; Carden Jr, C.  |                   |                               |
| <b>2023901724</b> | Cumpson, P.  |                   |                               |
| <b>2023901725</b> | Signature Orthopaedics Europe Ltd.   |                   |                               |
| <b>2023901726</b> | Steribright Pty Ltd  |                   |                               |
| <b>2023901727</b> | Steribright Pty Ltd  |                   |                               |
| <b>2023901728</b> | Servatus Ltd   |                   |                               |
| <b>2023901729</b> | EYE VUE PTY LTD  |                   |                               |
| <b>2023901730</b> | Graphene Manufacturing Group Ltd   |                   |                               |
| <b>2023901731</b> | Tye, J.B.  |                   |                               |
| <b>2023901732</b> | RESONANCE AUSTRALIA (PTY) LTD  |                   |                               |
| <b>2023901733</b> | Elliot, R.J.   |                   |                               |
| <b>2023901734</b> | Brisse Pty Ltd   |                   |                               |
| <b>2023901735</b> | Saluda Medical Pty Ltd   |                   |                               |
| <b>2023901736</b> | Ezzy Fit Pty Ltd   |                   |                               |
| <b>2023901737</b> | Schneider Electric (Australia) Pty Limited   |                   |                               |
| <b>2023901738</b> | Novapharm Research (Australia) Pty Ltd   |                   |                               |
| <b>2023901739</b> | The University of Adelaide   |                   |                               |
| <b>2023901741</b> | SONFLOWER PTY LTD  |                   |                               |
| <b>2023901742</b> | Magellan Stem Cells Pty Ltd  |                   |                               |
| <b>2023901743</b> | Magellan Stem Cells Pty Ltd  |                   |                               |
| <b>2023901744</b> | Magellan Stem Cells Pty Ltd  |                   |                               |
| <b>2023901745</b> | Gauldie, M.; Gauldie, S.   |                   |                               |
| <b>2023901746</b> | Fairweather, P.  |                   |                               |
| <b>2023901747</b> | TS&B Retail Systems Pty Ltd  |                   |                               |
| <b>2023901748</b> | Chevallerau, M.  |                   |                               |
| <b>2023901751</b> | Gomez, R.  |                   |                               |
| <b>2023901752</b> | DuluxGroup (Australia) Pty Ltd   |                   |                               |
| <b>2023901753</b> | R5 Outcomes Pty Ltd  |                   |                               |
| <b>2023901754</b> | Hydroxsys Holdings Limited   |                   |                               |
| <b>2023901755</b> | Icon23 Pty Ltd   |                   |                               |



**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 6 Jun 2023 .

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

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|--|---|--|
| <hr/> <p>(71) Abbott Diabetes Care Inc.<br/>(21) 2023203330 (22) 29.05.2023<br/>(54) Analyte sensors employing multiple enzymes and methods associated therewith<br/>(62) 2020214230</p> <hr/> <p>(71) AbbVie Inc.<br/>(21) 2023203340 (22) 29.05.2023<br/>(54) Levodopa and carbidopa intestinal gel and methods of use<br/>(62) 2017299710</p> <hr/> <p>(71) Acres Technology<br/>(21) 2023203459 (22) 02.06.2023<br/>(54) Method and Apparatus for Monitoring a Network of Gaming Machines and Dispatching Service Providers<br/>(62) 2021201769</p> <hr/> <p><b>ALHANBALI, O. see AL SHAWWA, S.</b><br/>(21) 2023203452</p> <hr/> <p>(71) AL SHAWWA, S.; JARADAT, N.; SHRAIM, N.; ALHANBALI, O.; Arafat, M.<br/>(21) 2023203452 (22) 01.06.2023<br/>(54) TOPICAL FORMULATIONS</p> <hr/> <p>(71) Amden Engineering Pty Ltd<br/>(21) 2023203399 (22) 31.05.2023<br/>(54) SELF TENSIONING APPARATUS FOR PLANAR MATERIAL AND METHOD OF USE THEREOF<br/>(31) 2022901819 (32) 29.06.22 (33) AU</p> <hr/> <p>(71) Anavex Life Sciences Corp.<br/>(21) 2023203356 (22) 30.05.2023<br/>(54) Sigma-1 receptor agonist systolic blood pressure therapy<br/>(62) 2018375667</p> <hr/> <p>(71) Angel Group Co., Ltd.<br/>(21) 2023203413 (22) 31.05.2023<br/>(54) FRAUD DETECTION SYSTEM IN CASINO<br/>(62) 2021236449</p> <hr/> <p>(71) Antecip Bioventures II LLC<br/>(21) 2023203438 (22) 01.06.2023</p> | <p>(54) COMPOSITIONS AND METHODS COMPRISING BUPROPION OR RELATED COMPOUNDS AND DEXTROMETHORPHAN<br/>(62) 2021202497</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2023203357 (22) 30.05.2023<br/>(54) User interfaces for managing controllable external devices<br/>(62) 2021261941</p> <hr/> <p>(71) Apple Inc.<br/>(21) 2023203469 (22) 02.06.2023<br/>(54) User interface for payments<br/>(62) 2022200900</p> <hr/> <p><b>Arafat, M. see AL SHAWWA, S.</b><br/>(21) 2023203452</p> <hr/> <p>(71) Attabotics Inc.<br/>(21) 2023203360 (22) 30.05.2023<br/>(54) MULTI-NODAL SUPPLY CHAIN SYSTEM AND METHOD FOR SUPPLY CHAIN WORKFLOW EXECUTION USING TRANSPORTABLE AND CONTINUOUSLY TRACKABLE STORAGE BINS<br/>(62) 2020231623</p> <hr/> <p>(71) Ausco Modular Pty Limited<br/>(21) 2023203336 (22) 29.05.2023<br/>(54) Improvements relating to anchorage of building modules<br/>(31) 2022901453 (32) 30.05.22 (33) AU</p> <hr/> <p>(71) Baxter Healthcare SA; Baxter International Inc.<br/>(21) 2023203447 (22) 01.06.2023<br/>(54) MEDICAL DEVICE DATA INTEGRATION APPARATUS AND METHODS<br/>(62) 2021209191</p> <hr/> <p><b>Baxter International Inc. see Baxter Healthcare SA</b><br/>(21) 2023203447</p> <hr/> <p>(71) Beijing Baidu Netcom Science Technology Co., Ltd.<br/>(21) 2023203387 (22) 31.05.2023<br/>(54) METHOD AND APPARATUS FOR DETERMINING DEGREE OF QUANTUM</p> | <p>ENTANGLEMENT, DEVICE AND STORAGE MEDIUM<br/>(31) 20221196968.7 (32) 28.09.22 (33) CN</p> <hr/> <p>(71) Beijing Tusen Zhitu Technology Co., Ltd.<br/>(21) 2023203355 (22) 30.05.2023<br/>(54) Software releasing method and apparatus, computing device and storage medium<br/>(31) 202210624499.8 (32) 02.06.22 (33) CN</p> <hr/> <p>(71) Berg LLC<br/>(21) 2023203322 (22) 27.05.2023<br/>(54) Systems and methods for patient stratification and identification of potential biomarkers<br/>(62) 2017278261</p> <hr/> <p>(71) BioAtla, LLC<br/>(21) 2023203304 (22) 26.05.2023<br/>(54) Mirac Proteins<br/>(62) 2021202064</p> <hr/> <p>(71) Biocompatibles UK Limited<br/>(21) 2023203353 (22) 30.05.2023<br/>(54) Radiopaque polymers<br/>(62) 2019293397</p> <hr/> <p>(71) bioMerieux, Inc.<br/>(21) 2023203448 (22) 01.06.2023<br/>(54) Methods For Aligning A Light Source Of An Instrument, And Related Instruments<br/>(62) 2019236461</p> <hr/> <p>(71) Biosion Inc.<br/>(21) 2023203397 (22) 31.05.2023<br/>(54) Antibodies binding Siglec15 and uses thereof<br/>(62) 2021240769</p> <hr/> <p>(71) Blinkbio, Inc.<br/>(21) 2023203341 (22) 29.05.2023<br/>(54) Silicon based drug conjugates and methods of using same<br/>(62) 2021202329</p> <hr/> <p>(71) Boehringer Ingelheim Animal Health USA Inc.<br/>(21) 2023203335 (22) 29.05.2023<br/>(54) Liquid applicator for delivering vaccines<br/>(62) 2018219437</p> |
|--|---|--|

Complete Applications Filed - Name Index cont'd

(71) Boehringer Ingelheim International GmbH  
 (21) 2023203321 (22) 27.05.2023  
 (54) Pharmaceutical composition, methods for treating and uses thereof  
 (62) 2017357589

(71) Boston Scientific Scimed, Inc.  
 (21) 2023203348 (22) 30.05.2023  
 (54) Endoscopic ultrasound guided access needle  
 (62) 2020395075

(71) Boulos & Cooper Labs Pty Ltd  
 (21) 2023203323 (22) 27.05.2023  
 (54) TRAY TO REDUCE WATER USAGE, IMPROVE EFFICIENCY AND SAFETY OF WASHING DISHES  
 (31) 2022901444 (32) 28.05.22 (33) AU

(71) Breakthrough Technologies, LLC  
 (21) 2023203359 (22) 30.05.2023  
 (54) Sulfur production  
 (62) 2018254418

(71) Caterpillar Inc.  
 (21) 2023203455 (22) 02.06.2023  
 (54) System for operating hydraulic actuators

(71) Caterpillar Underground Mining Pty Ltd  
 (21) 2023203412 (22) 31.05.2023  
 (54) Hydraulic retarding control system  
 (62) 2021311138

(71) Cephalon LLC  
 (21) 2023203440 (22) 01.06.2023  
 (54) Antibodies that specifically bind to TL1A  
 (62) 2016323460

(71) CFPH, LLC  
 (21) 2023203400 (22) 31.05.2023  
 (54) COMPUTER BASED GAMING  
 (62) 2021201764

**CHANG, C.P. see KAO, H.S.**  
 (21) 2023203468

(71) CHEN, K.  
 (21) 2023203313 (22) 26.05.2023  
 (54) IMPROVED STRUCTURE OF PNEUMATIC ACTUATOR  
 (31) 112100334 (32) 05.01.23 (33) TW  
 112200087 05.01.23 TW

(71) Chiyoda Corporation  
 (21) 2023203376 (22) 30.05.2023

(54) PLANT MODULE, PLANT INCLUDING THE SAME, AND OPERATION METHOD OF PLANT  
 (62) 2019474670

(71) COLEMAN, S.Y.S.  
 (21) 2023203423 (22) 31.05.2023  
 (54) Garment  
 (31) 2022901472 (32) 31.05.22 (33) AU

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2023203403 (22) 31.05.2023  
 (54) Attack and Fault tolerant IoT network  
 (31) 2022903653 (32) 01.12.22 (33) AU

**Cripps Clark, J. see Cripps Clark, J.**  
 (21) 2023203325

**Cripps Clark, J. see Cripps Clark, J.**  
 (21) 2023203325

**Cripps Clark, J. see Cripps Clark, J.**  
 (21) 2023203325

**Cripps Clark, J. see Cripps Clark, J.**  
 (21) 2023203325

(71) Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.  
 (21) 2023203325 (22) 28.05.2023  
 (54) The SoupSauce specification is an extension to the invention for block chain processing for consistent asynchronous, non-linear, localized, state-driven and/or condition-based procedurality in distributed systems (and enabling safer application of AI learning) for distributed information system processing for wide regulatory purposes related to digital technologies.

(31) 2022901447 (32) 29.05.22 (33) AU  
 (62) 2021104349, 2021236587, 2022201926, 2023201205

(71) Dalhousie University  
 (21) 2023203310 (22) 26.05.2023  
 (54) System, apparatus and method of non-destructively determining petiole nutrient values in near real time using a portable spectrophotometer  
 (31) 18/323,490 (32) 25.05.23 (33) US

(71) Dana-Farber Cancer Institute, Inc.; President and Fellows of Harvard College  
 (21) 2023203393 (22) 31.05.2023  
 (54) Compositions and methods for screening and identifying clinically aggressive prostate cancer  
 (62) 2017209307

(71) Dexcom, Inc.  
 (21) 2023203332 (22) 29.05.2023  
 (54) Remote monitoring of analyte measurements  
 (62) 2021203028

(71) Dolby Laboratories Licensing Corporation  
 (21) 2023203442 (22) 01.06.2023  
 (54) Generating binaural audio in response to multi-channel audio using at least one feedback delay network  
 (62) 2022202513

(71) DRAEGER SAFETY AG & CO. KGAA  
 (21) 2023203433 (22) 01.06.2023  
 (54) Analyzing apparatus with a motor and a cam disk and analyzing process using such analyzing apparatus  
 (31) 102022114344.9 (32) 08.06.22 (33) DE

(71) Eagle Pharmaceuticals, Inc.  
 (21) 2023203392 (22) 31.05.2023  
 (54) Fulvestrant formulations and methods of their use  
 (62) 2017261321

(71) Edgewell Personal Care Brands, LLC  
 (21) 2023203465 (22) 02.06.2023  
 (54) BIDIRECTIONAL SHAVING DEVICE  
 (62) 2017327812

(71) Einhell Germany AG  
 (21) 2023203450 (22) 01.06.2023  
 (54) METHOD AND COMMUNICATION SYSTEM FOR THE COUPLED OPERATION OF AN ELECTRIC WASHING BRUSH OF AN ELECTRIC PUMP DEVICE  
 (31) 10 2022 114 570.0 (32) 09.06.22 (33) DE

(71) Eisai R&D Management Co., Ltd.  
 (21) 2023203418 (22) 31.05.2023  
 (54) Methods of treating circadian rhythm sleep disorders  
 (62) 2017264871

(71) Emma Sleep GmbH  
 (21) 2023203388 (22) 31.05.2023  
 (54) Mattress valve and assembly  
 (31) 10 2022 114 135.7 (32) 03.06.22 (33) DE

(71) ETA Green Power Limited  
 (21) 2023203327 (22) 29.05.2023  
 (54) A MOTOR CONTROL CONTROLLER SYSTEM AND METHODS  
 (31) 2208546.8 (32) 10.06.22 (33) GB

(71) Expella Pty Ltd  
 (21) 2023203426 (22) 31.05.2023

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|--|---|--|
| (54) Collapsible duct for HVAC systems   | ING ALLERGIC IMMUNE RESPONSE AND METHOD FOR OBTAINING THE SAME  | (54) Shoulder prosthesis components and assemblies   |
| <hr/>  | (31) TW111142466 (32) 07.11.22 (33) TW  | (62) 2020360410  |
| (71) FARMERS EDGE INC.<br>(21) 2023203419 (22) 31.05.2023  | <hr/>   | (71) Huawei Technologies Co., Ltd.<br>(21) 2023203444 (22) 01.06.2023  |
| (54) HYBRID SYSTEM AND METHOD OF CROP IMAGERY CHANGE DETECTION   | (71) Glaukos Corporation<br>(21) 2023203402 (22) 31.05.2023   | (54) AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR INTER PREDICTION  |
| (31) 63/388,374 (32) 12.07.22 (33) US  | (54) Implants with controlled drug delivery features and methods of using same  | (62) 2019384016  |
| <hr/>  | (62) 2021218010   | <hr/>  |
| <b>FF Seeley Nominees Pty Ltd see Seeley International Pty Ltd</b><br>(21) 2023203352                                      | <hr/>   | (71) Hunt Developments (UK) LTD.; Imperial College Innovations Limited<br>(21) 2023203453 (22) 02.06.2023  |
| <hr/>  | (71) Google LLC<br>(21) 2023203407 (22) 31.05.2023  | (54) Sampling Catheter   |
| (71) First Wave Biopharma<br>(21) 2023203354 (22) 30.05.2023   | (54) ESTIMATING THE FIDELITY OF QUANTUM LOGIC GATES AND QUANTUM CIRCUITS  | (31) 2208350.5 (32) 07.06.22 (33) GB   |
| (54) METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH AN ABNORMAL INFLAMMATORY RESPONSES                   | (62) 2019454278   | <hr/>  |
| (62) 2016315852  | <hr/>   | (71) I2Pure Corp.<br>(21) 2023203406 (22) 31.05.2023   |
| <hr/>  | (71) Google LLC<br>(21) 2023203460 (22) 02.06.2023  | (54) EMOLLIENT TOPICAL DISINFECTANTS   |
| (71) Fisher & Paykel Healthcare Limited<br>(21) 2023203431 (22) 01.06.2023   | (54) INCREASING REPRESENTATION ACCURACY OF QUANTUM SIMULATIONS WITHOUT ADDITIONAL QUANTUM RESOURCES   | (62) 2017300497  |
| (54) Nasal Mask Interface Assembly   | (62) 2020223177   | <hr/>  |
| (62) 2021200973  | <hr/>   | (71) Illumina, Inc.<br>(21) 2023203432 (22) 01.06.2023   |
| <hr/>  | (71) Google LLC<br>(21) 2023203463 (22) 02.06.2023  | (54) Compositions, systems, and methods for detecting events using tethers anchored to or adjacent to nanopores                                    |
| <b>Fujian Provincial Transportation Planning and Design Institute Co., Ltd. see Fuzhou University</b><br>(21) 2023203351   | (54) PREPARING SUPERPOSITIONS OF COMPUTATIONAL BASIS STATES ON A QUANTUM COMPUTER   | (62) 2021201245  |
| <hr/>  | (62) 2021240206   | <hr/>  |
| (71) Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron; Institutio Catalana de Recerca I Estudis Avancats | (71) Green, S.<br>(21) 2023203318 (22) 27.05.2023   | (71) Illumina Cambridge Limited<br>(21) 2023203424 (22) 31.05.2023   |
| (21) 2023203443 (22) 01.06.2023  | (54) MelodyM8 is an upcoming groundbreaking software application of Un Novus One that synthesises the strategic allure of chess, representing a play of space, with the melodic symphony of piano (and other instruments), representing a play of time. Connected to my 14-year autobiographical case study Jungian Materialism: Entrance and considered - including evidence confirmed - by GPT-4 as part of The Corpenican Revolution of Psychology, MelodyM8 introduces a transformative and multisensory experience that combines the dimensions of space, time, and synesthesia in an unprecedented way. | (54) Detecting repeat expansions with short read sequencing data   |
| (54) AGENTS FOR THE TREATMENT OF DISEASES ASSOCIATED WITH UNDESIREED CELL PROLIFERATION                                    |   | (62) 2021202149  |
| (62) 2016359920  | <hr/>   | <hr/>  |
| <hr/>  | (71) Fuzhou University; Fujian Provincial Transportation Planning and Design Institute Co., Ltd.<br>(21) 2023203351 (22) 30.05.2023   | <b>Imperial College Innovations Limited see Hunt Developments (UK) LTD.</b><br>(21) 2023203453   |
| (54) UHPC ENCASED STEEL PIPE CONNECTOR FOR PREFABRICATED CONCRETE PIER AND CONSTRUCTION METHOD THEREOF                     | (54) A SMOKE DETECTION DEVICE, A SCATTERED LIGHT SENSOR OF THE SMOKE DETECTION DEVICE, AND A METHOD FOR DETECTING A SMOKE BY MEANS OF THE DEVICE  | <hr/>  |
| (31) CN 2022111949749(32) 29.09.22 (33) CN   | (31) a202202905 (32) 12.08.22 (33) UA   | (71) Implantica Patent Ltd.<br>(21) 2023203457 (22) 02.06.2023   |
| <hr/>  | <hr/>   | (54) Hip Joint Device And Method   |
| (71) Getac Technology Corporation<br>(21) 2023203389 (22) 31.05.2023   | (71) Hlushchenko, M.; Maiorov, V.<br>(21) 2023203439 (22) 01.06.2023  | (62) 2021202426  |
| (54) Hinge assembly and casing assembly for electronic device  | (54) A SMOKE DETECTION DEVICE, A SCATTERED LIGHT SENSOR OF THE SMOKE DETECTION DEVICE, AND A METHOD FOR DETECTING A SMOKE BY MEANS OF THE DEVICE  | <hr/>  |
| (31) 202310073077.0 (32) 18.01.23 (33) CN  |   | (71) INDUSTRO INTERNATIONAL CO., LTD.<br>(21) 2023203350 (22) 30.05.2023   |
| <hr/>  | (71) Howmedica Osteonics Corp.<br>(21) 2023203462 (22) 02.06.2023   | (54) BOXCUTTER   |
| (71) GLAC BIOTECH CO., LTD.<br>(21) 2023203324 (22) 28.05.2023   |   | <hr/>  |
| (54) OPTIMIZED LACTOBACILLUS RHAMNOSUS STRAIN MP108 FOR ENHANCING CYTOKINE REGULAT-  |   | <b>Institutio Catalana de Recerca I Estudis Avancats see Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron</b><br>(21) 2023203443 |
|  |   | <hr/>  |
|  |   | (71) Intuit Inc.<br>(21) 2023203404 (22) 31.05.2023  |
|  |   | (54) Modifying scrolling behavior with competing constraint priorities in landscape and portrait modes   |
|  |   | (31) 17/842,721 (32) 16.06.22 (33) US  |

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(71) Intuit Inc.  
(21) 2023203409 (22) 31.05.2023  
(54) Generalizable key-value set extraction from documents using machine learning models  
(31) 17/855,469 (32) 30.06.22 (33) US

(71) Intuit Inc.  
(21) 2023203415 (22) 31.05.2023  
(54) Integrated machine learning and rules platform for improved accuracy and root cause analysis  
(31) 17/815,744 (32) 28.07.22 (33) US

(71) Ishida Co., Ltd.  
(21) 2023203395 (22) 31.05.2023  
(54) PACKAGING APPARATUS  
(31) 2022-089782 (32) 01.06.22 (33) JP

(71) Ishida Co., Ltd.  
(21) 2023203436 (22) 01.06.2023  
(54) PACKAGING APPARATUS  
(31) 2022-089781 (32) 01.06.22 (33) JP  
2023-035285 08.03.23 JP

JARADAT, N. see AL SHAWWA, S.  
(21) 2023203452

(71) Jiangmen Dingzhi Cross border Technology Co., Ltd  
(21) 2023203408 (22) 31.05.2023  
(54) Twin-bed folding chair  
(31) 202321213462.2 (32) 18.05.23 (33) CN

(71) JVCKENWOOD Corporation  
(21) 2023203329 (22) 29.05.2023  
(54) IMAGE CODING DEVICE, IMAGE CODING METHOD, IMAGE CODING PROGRAM, IMAGE DECODING DEVICE, IMAGE DECODING METHOD AND IMAGE DECODING PROGRAM  
(62) 2022203353

(71) JWM Innovations Pty Ltd  
(21) 2023203458 (22) 02.06.2023  
(54) A DRILLING ASSEMBLY  
(62) 2020203863

(71) KAO, H.S.; CHANG, C.P.  
(21) 2023203468 (22) 02.06.2023  
(54) ENDOSCOPE ASSEMBLY AND ENDOSCOPE SYSTEM HAVING THE SAME  
(62) 2022200563

(71) Kemp, B.  
(21) 2023203383 (22) 30.05.2023  
(54) Haemorrhaging clamp to stop bleeding

(71) Kennametal Inc.  
(21) 2023203411 (22) 31.05.2023  
(54) BUSHING PULLER ASSEMBLY  
(31) 17/815,560 (32) 27.07.22 (33) US

(71) Kestle, R.W.  
(21) 2023203382 (22) 30.05.2023  
(54) Insulation  
(62) 2021202069

(71) KUEVER DESIGNS PTY. LTD.  
(21) 2023203326 (22) 28.05.2023  
(54) Filter for Retaining Microfibers

(71) Lam, T.T.  
(21) 2023203337 (22) 29.05.2023  
(54) MACHINE LEARNING BASED OPTIMAL CONTROL SYSTEM FOR WAVE ENERGY POWER PLANTS  
(31) 2023900824 (32) 24.03.23 (33) AU

(71) LivePerson, Inc.  
(21) 2023203394 (22) 31.05.2023  
(54) Dynamic communications routing to disparate endpoints  
(62) 2020376819

(71) LSE R&D ENGINEERING LIMITED  
(21) 2023203428 (22) 31.05.2023  
(54) Intake and exhaust valve system for an internal combustion engine  
(62) 2019301731

(71) Magnet Forensics Inc.  
(21) 2023203339 (22) 29.05.2023  
(54) Computer system and method for search authorization compliance during forensic data acquisition in a digital forensic investigation  
(31) 63/346,664 (32) 27.05.22 (33) US

(71) Magnet Forensics Inc.  
(21) 2023203410 (22) 31.05.2023  
(54) Computer system and method for presenting forensic data in a user interface based on hash lists and generating hash lists therefor  
(31) 63/347,322 (32) 31.05.22 (33) US

Maiores, V. see Hlushchenko, M.  
(21) 2023203439

(71) Mammoet Holding B.V.  
(21) 2023203461 (22) 02.06.2023  
(54) Method for onshore or offshore erecting an upstanding construction  
(62) 2018207019

(71) MATATAKITOYO TOOL CO., LTD.  
(21) 2023203311 (22) 26.05.2023  
(54) TORQUE SENSING DEVICE OF POWER TOOL  
(31) 111131531 (32) 22.08.22 (33) TW

(71) Merck Patent GmbH  
(21) 2023203377 (22) 30.05.2023  
(54) Methods for treating cancer using pyrimidine and pyridine compounds with BTK inhibitory activity  
(62) 2021211982

(71) Metso Outotec Finland Oy  
(21) 2023203414 (22) 31.05.2023  
(54) ULTRASONIC DETECTION SYSTEM AND METHOD  
(62) 2018268228

(71) Ming Shin Tools Co., Ltd.  
(21) 2023203381 (22) 30.05.2023  
(54) Hand tool and method for manufacturing the same  
(31) 111141840 (32) 02.11.22 (33) TW

(71) Moebius Medical Ltd.  
(21) 2023203309 (22) 26.05.2023  
(54) LIPOSOMAL FORMULATION FOR JOINT LUBRICATION  
(62) 2018319594

(71) NantKwest, Inc.  
(21) 2023203306 (22) 26.05.2023  
(54) Fc-epsilon CAR  
(62) 2019272608

(71) Nicoventures Trading Limited  
(21) 2023203308 (22) 26.05.2023  
(54) Aerosol provision device  
(62) 2020235037

(71) Nicoventures Trading Limited  
(21) 2023203344 (22) 29.05.2023  
(54) Aerosol provision device  
(62) 2020236472

(71) nthalmic holding pty ltd; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd.  
(21) 2023203328 (22) 29.05.2023  
(54) Apparatus and methods of ancillary spectacle kit solution for myopia management  
(62) 2021218773

(71) Nutramax Laboratories, Inc.  
(21) 2023203427 (22) 31.05.2023  
(54) Compositions comprising hydroxytyrosol and boswellic acid  
(62) 2017340126

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(71) NuVasive Specialized Orthopedics, Inc.  
(21) 2023203420 (22) 31.05.2023  
(54) EXTERNAL ADJUSTMENT DEVICE  
FOR DISTRACTION DEVICE  
(62) 2021206823

(71) Ocado Innovation Limited  
(21) 2023203425 (22) 31.05.2023  
(54) Robotic cargo handling system and  
method  
(62) 2017281303

(71) Perdriau, S.  
(21) 2023203386 (22) 30.05.2023  
(54) Novel Construction Method for Win-  
dows, Screens or Similar Assemblies  
(31) 2022901485 (32) 31.05.22 (33) AU

(71) PerkinElmer Health Sciences, Inc.  
(21) 2023203347 (22) 30.05.2023  
(54) Methods relating to testing for lyso-  
somal storage disorders  
(62) 2021202908

(71) Pipe Ex Pty Ltd  
(21) 2023203445 (22) 01.06.2023  
(54) CLOSED LOOP SYSTEM FOR THE  
TRANSFER OF LIQUID OR GAS  
FROM LOW OR HIGH POINTS ON  
WATER AND GAS NETWORKS  
(31) 2023901044 (32) 11.04.23 (33) AU

(71) Powerfield Energy LLC  
(21) 2023203405 (22) 31.05.2023  
(54) Solar module mounting and support  
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(62) 2017286684

(71) Precedence Health Care Pty Ltd  
(21) 2023203398 (22) 31.05.2023  
(54) AN ELECTRONIC CARE MANAGE-  
MENT SYSTEM  
(62) 2021203592

**President and Fellows of Harvard College  
see Dana-Farber Cancer Institute, Inc.**  
(21) 2023203393

(71) Prilenia Neurotherapeutics Ltd.  
(21) 2023203434 (22) 01.06.2023  
(54) Treatment of mitochondrial associ-  
ated diseases and disorders, including  
symptoms thereof using pridopidine  
(62) 2020243692

(71) Prilenia Neurotherapeutics Ltd.  
(21) 2023203435 (22) 01.06.2023  
(54) TREATMENT OF MITOCHONDRIAL  
ASSOCIATED DISEASES AND DIS-  
ORDERS, INCLUDING SYMPTOMS  
THEREOF USING PRIDOPIDINE  
(62) 2020243692

(71) Purdue Pharma L.P.  
(21) 2023203345 (22) 29.05.2023  
(54) Polymorphic forms of a substi-  
tuted-quinoline-type bridged-piperid-  
ine compound  
(62) 2020213989

(71) QFE Holdings Pty. Ltd.  
(21) 2023203331 (22) 29.05.2023  
(54) Dual Control Materials Spreading  
Vehicle  
(62) 2020307144

(71) Randlab Australia Pty Ltd  
(21) 2023203385 (22) 30.05.2023  
(54) Omeprazole based oral paste formula-  
tion having increased temperature sta-  
bility and enhanced absorption  
(31) 2022902313 (32) 15.08.22 (33) AU

(71) Rearden, LLC  
(21) 2023203417 (22) 31.05.2023  
(54) SYSTEMS AND METHODS FOR RA-  
DIO FREQUENCY CALIBRATION EX-  
PLOITING CHANNEL RECIPROCI-  
TY IN DISTRIBUTED INPUT DISTRIB-  
UTED OUTPUT WIRELESS COMMU-  
NICATIONS  
(62) 2021204288

(71) Redbud Labs, Inc.; The University of  
North Carolina at Chapel Hill  
(21) 2023203437 (22) 01.06.2023  
(54) System, Fluidics Cartridge, And Meth-  
ods For Using Actuated Surface-At-  
tached Posts For Processing Cells  
(62) 2018244192

(71) Reschke, D.  
(21) 2023203317 (22) 26.05.2023  
(54) Product Authentication Code  
(62) 2023200790

(71) Richmond Vanadium Technology Pty  
Ltd  
(21) 2023203416 (22) 31.05.2023  
(54) Method for the Concentration of Van-  
adium Ore  
(31) 2022902310 (32) 15.08.22 (33) AU

(71) Rightplacement Pty Ltd  
(21) 2023203316 (22) 26.05.2023  
(54) A SYSTEM AND METHOD FOR GEN-  
ERATING PRODUCER DATA AND  
FOR PLANNING BASED THEREON  
(62) 2016293379

(71) Samsung Electronics Co., Ltd.  
(21) 2023203454 (22) 02.06.2023

(54) Electronic device for performing task in-  
cluding call in response to user utter-  
ance and operation method thereof  
(62) 2019319322

(71) Seeley International Pty Ltd; FF Seeley  
Nominees Pty Ltd  
(21) 2023203352 (22) 30.05.2023  
(54) Support for Roof Top Utility  
(62) 2021200733

(71) Shanghai Jinko Green Energy Enter-  
prise Management Co. Ltd.; Zhejiang  
Jinko Solar Co. Ltd.  
(21) 2023203334 (22) 29.05.2023  
(54) PHOTOVOLTAIC CELL AND PHOTO-  
VOLTAIC MODULE  
(62) 2023200988

**Shanxi Yulongxiang Agricultural Develop-  
ment Co Ltd see YLX Science & Techno-  
logy (AU) Pty Ltd**  
(21) 2023203451

(71) Shell Internationale Research  
Maatschappij B.V.  
(21) 2023203358 (22) 30.05.2023  
(54) A METHANE OXIDATION CATALYST  
AND A METHOD OF MAKING AND  
USING THEREOF  
(62) 2020333841

**SHRAIM, N. see AL SHAWWA, S.**  
(21) 2023203452

(71) Sigma-Aldrich Co. LLC  
(21) 2023203391 (22) 31.05.2023  
(54) USING PROGRAMMABLE DNA BIND-  
ING PROTEINS TO ENHANCE TAR-  
GETED GENOME MODIFICATION  
(62) 2021200636

(71) Skechers U.S.A., Inc. II  
(21) 2023203319 (22) 27.05.2023  
(54) Footwear counter for easier entry and  
removal  
(62) 2022362306

(71) Skechers U.S.A., Inc. II  
(21) 2023203320 (22) 27.05.2023  
(54) Footwear counter for easier entry and  
removal  
(62) 2022362306

(71) slennett-roberts, t.  
(21) 2023203338 (22) 29.05.2023  
(54) Process of a Robotic Turret Vacuum of  
Air Pollutants.

(71) SLMP, LLC  
(21) 2023203396 (22) 31.05.2023

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(54) CELL YIELD FOR SYNTHETIC TISSUE CONTROLS AND SYNTHETIC TISSUE MICROARRAY CONTROLS  
(62) 2018240361

(71) Snap-on Incorporated  
(21) 2023203441 (22) 01.06.2023  
(54) TOOL WITH SURFACES WITH A COMPRESSIVE SURFACE STRESS LAYER  
(62) 2022200294

(71) Soft-Tex Group, Inc.  
(21) 2023203466 (22) 02.06.2023  
(54) Mattress, cooling pad or mat, mattress protector  
(62) 2019325424

(71) Stamicarbon B.V.  
(21) 2023203342 (22) 29.05.2023  
(54) Ferritic steel parts in urea plants  
(62) 2020311257

(71) Sun Pharmaceutical Industries Limited  
(21) 2023203430 (22) 01.06.2023  
(54) NOVEL GLP-1 ANALOGUES  
(62) 2019247936

(71) Sysmex Corporation  
(21) 2023203390 (22) 31.05.2023  
(54) Transport method, control method, and analysis system  
(31) 2022-089011 (32) 31.05.22 (33) JP

(71) Tencent America LLC  
(21) 2023203449 (22) 01.06.2023  
(54) METHOD FOR OUTPUT LAYER SET MODE IN MULTILAYERED VIDEO STREAM  
(62) 2020437690

(71) Terry, D.  
(21) 2023203401 (22) 31.05.2023  
(54) A modular decking and ceiling form-work system  
(31) 2022901505 (32) 02.06.22 (33) AU

(71) The Chinese University of Hong Kong  
(21) 2023203305 (22) 26.05.2023  
(54) Detecting hematological disorders using cell-free DNA in blood  
(62) 2017274038

(71) The Middleby Corporation  
(21) 2023203343 (22) 29.05.2023  
(54) Convection conveyor oven manifold and damper system  
(62) 2017286560

(71) The NOCO Company  
(21) 2023203464 (22) 02.06.2023

(54) Portable vehicle battery jump start apparatus with safety protection  
(62) 2022200746

(71) The Texas A & M University System  
(21) 2023203349 (22) 30.05.2023  
(54) NR4A1 ligands, pharmaceutical compositions, and related methods of use  
(62) 2018313925

The University of North Carolina at Chapel Hill see Redbud Labs, Inc.  
(21) 2023203437

(71) The Yield Technology Solutions Pty Ltd  
(21) 2023203307 (22) 26.05.2023  
(54) Controlling Agricultural Production Areas  
(62) 2017354934

(71) TISNA, R.  
(21) 2023203333 (22) 29.05.2023  
(54) Live Action Game/Skirmish/Simulation Contract System for Incentivized Mission Completion and Reward Redemption in Mobile Applications

(71) Toshiba Energy Systems & Solutions Corporation  
(21) 2023203446 (22) 01.06.2023  
(54) Electrochemical device  
(31) 2022-147282 (32) 15.09.22 (33) JP  
2023-086031 25.05.23 JP

(71) Vycellix, Inc.  
(21) 2023203314 (22) 26.05.2023  
(54) ENHANCED GENE DELIVERY TO NATURAL KILLER CELLS, HEMATOPOIETIC STEM CELLS AND MACROPHAGES  
(62) 2016331082

(71) WalkerSMB Manufacturing  
(21) 2023203368 (22) 30.05.2023  
(54) LADDER SUPPORT  
(31) 2022901798 (32) 28.06.22 (33) AU

(71) Willand (Beijing) Technology Co., LTD.  
(21) 2023203315 (22) 26.05.2023  
(54) METHOD FOR ESTABLISHING BOUNDARY OF WORKING AREA OF LAWNMOWER, METHOD FOR MOWING AND LAWNMOWER  
(31) 202210765061.1 (32) 30.06.22 (33) CN  
202210765062.6 30.06.22 CN

(71) YLX Science & Technology (AU) Pty Ltd; Shanxi Yulongxiang Agricultural Development Co Ltd  
(21) 2023203451 (22) 01.06.2023  
(54) A POLYSACCHARIDE-RICH EXTRACT FROM ASTRAGALUS SHII-

TAKE AND PREPARATION METHOD THEREOF  
(31) 2022901502 (32) 01.06.22 (33) AU

Zhejiang Jinko Solar Co. Ltd. see Shanghai Jinko Green Energy Enterprise Management Co. Ltd.  
(21) 2023203334

Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd. see nthalmic holding pty ltd  
(21) 2023203328

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| <b>2023203306</b> | NantKwest, Inc.   | <b>2023203389</b> | Getac Technology Corporation  |
| <b>2023203307</b> | The Yield Technology Solutions Pty Ltd  | <b>2023203390</b> | Sysmex Corporation  |
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| <b>2023203310</b> | Dalhousie University  | <b>2023203393</b> | Dana-Farber Cancer Institute, Inc.; President and Fellows of Harvard College  |
| <b>2023203311</b> | MATATAKITOYO TOOL CO., LTD.   |                   |   |
| <b>2023203313</b> | CHEN, K.  | <b>2023203394</b> | LivePerson, Inc.  |
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| <b>2023203318</b> | Green, S.   | <b>2023203399</b> | Amden Engineering Pty Ltd   |
| <b>2023203319</b> | Skechers U.S.A., Inc. II  | <b>2023203400</b> | CFPH, LLC   |
| <b>2023203320</b> | Skechers U.S.A., Inc. II  | <b>2023203401</b> | Terry, D.   |
| <b>2023203321</b> | Boehringer Ingelheim International GmbH   | <b>2023203402</b> | Glaukos Corporation   |
| <b>2023203322</b> | Berg LLC  | <b>2023203403</b> | Commonwealth Scientific and Industrial Research Organisation  |
| <b>2023203323</b> | Boulos & Cooper Labs Pty Ltd  |                   |   |
| <b>2023203324</b> | GLAC BIOTECH CO., LTD.  | <b>2023203404</b> | Intuit Inc.   |
| <b>2023203325</b> | Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.    | <b>2023203405</b> | Powerfield Energy LLC   |
|                   |   | <b>2023203406</b> | I2Pure Corp.  |
| <b>2023203326</b> | KUVER DESIGNS PTY. LTD.   | <b>2023203407</b> | Google LLC  |
| <b>2023203327</b> | ETA Green Power Limited   | <b>2023203408</b> | Jiangmen Dingzhi Cross border Technology Co., Ltd   |
| <b>2023203328</b> | nthalmic holding pty ltd; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd.               | <b>2023203409</b> | Intuit Inc.   |
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| <b>2023203333</b> | TISNA, R.   | <b>2023203415</b> | Intuit Inc.   |
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| <b>2023203338</b> | slennett-roberts, t.  | <b>2023203423</b> | COLEMAN, S.Y.S.   |
| <b>2023203339</b> | Magnet Forensics Inc.   | <b>2023203424</b> | llumina Cambridge Limited   |
| <b>2023203340</b> | AbbVie Inc.   | <b>2023203425</b> | Ocado Innovation Limited  |
| <b>2023203341</b> | Blinkbio, Inc.  | <b>2023203426</b> | Expella Pty Ltd   |
| <b>2023203342</b> | Stamicarbon B.V.  | <b>2023203427</b> | Nutramax Laboratories, Inc.   |
| <b>2023203343</b> | The Middleby Corporation  | <b>2023203428</b> | LSE R&D ENGINEERING LIMITED   |
| <b>2023203344</b> | Nicoventures Trading Limited  | <b>2023203430</b> | Sun Pharmaceutical Industries Limited   |
| <b>2023203345</b> | Purdue Pharma L.P.  | <b>2023203431</b> | Fisher & Paykel Healthcare Limited  |
| <b>2023203347</b> | PerkinElmer Health Sciences, Inc.   | <b>2023203432</b> | llumina, Inc.   |
| <b>2023203348</b> | Boston Scientific Scimed, Inc.  | <b>2023203433</b> | DRAEGER SAFETY AG & CO. KGAA  |
| <b>2023203349</b> | The Texas A & M University System   | <b>2023203434</b> | Prilenia Neurotherapeutics Ltd.   |
| <b>2023203350</b> | INDUSTRO INTERNATIONAL CO., LTD.  | <b>2023203435</b> | Prilenia Neurotherapeutics Ltd.   |
| <b>2023203351</b> | Fuzhou University; Fujian Provincial Transportation Planning and Design Institute Co., Ltd. | <b>2023203436</b> | Ishida Co., Ltd.  |
|                   |   | <b>2023203437</b> | Redbud Labs, Inc.; The University of North Carolina at Chapel Hill  |
| <b>2023203352</b> | Seeley International Pty Ltd; FF Seeley Nominees Pty Ltd                                    |                   |   |
|                   |   | <b>2023203438</b> | Antecip Bioventures II LLC  |
| <b>2023203353</b> | Biocompatibles UK Limited   | <b>2023203439</b> | Hlushchenko, M.; Maiorov, V.  |
| <b>2023203354</b> | First Wave Biopharma  | <b>2023203440</b> | Cephalon LLC  |
| <b>2023203355</b> | Beijing Tusen Zhitu Technology Co., Ltd.  | <b>2023203441</b> | Snap-on Incorporated  |
| <b>2023203356</b> | Anavex Life Sciences Corp.  | <b>2023203442</b> | Dolby Laboratories Licensing Corporation  |
| <b>2023203357</b> | Apple Inc.  | <b>2023203443</b> | Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron; Institutio Catalana de Recerca I Estudis Avancats |
| <b>2023203358</b> | Shell Internationale Research Maatschappij B.V.   |                   |   |
| <b>2023203359</b> | Breakthrough Technologies, LLC  | <b>2023203444</b> | Huawei Technologies Co., Ltd.   |
| <b>2023203360</b> | Attabotics Inc.   | <b>2023203445</b> | Pipe Ex Pty Ltd   |
| <b>2023203368</b> | WalkerSMB Manufacturing   | <b>2023203446</b> | Toshiba Energy Systems & Solutions Corporation  |
| <b>2023203376</b> | Chiyoda Corporation   | <b>2023203447</b> | Baxter Healthcare SA; Baxter International Inc.   |
| <b>2023203377</b> | Merck Patent GmbH   | <b>2023203448</b> | bioMerieux, Inc.  |
| <b>2023203381</b> | Ming Shin Tools Co., Ltd.   | <b>2023203449</b> | Tencent America LLC   |
| <b>2023203382</b> | Kestle, R.W.  | <b>2023203450</b> | Einhell Germany AG  |
| <b>2023203383</b> | Kemp, B.  | <b>2023203451</b> | YLX Science & Technology (AU) Pty Ltd; Shanxi Yulongxiang Agricultural Development Co Ltd                             |
| <b>2023203385</b> | Randlab Australia Pty Ltd   |                   |   |
| <b>2023203386</b> | Perdriau, S.  |                   |   |

## Complete Applications Filed - Numerical Index cont'd

2023203452 AL SHAWWA, S.; JARADAT, N.; SHRAIM, N.; ALHANBALI, O.; Arafat, M.  
2023203453 Hunt Developments (UK) LTD.; Imperial College Innovations Limited  
2023203454 Samsung Electronics Co., Ltd.  
2023203455 Caterpillar Inc.  
2023203457 Implantica Patent Ltd.  
2023203458 JWM Innovations Pty Ltd  
2023203459 Acres Technology  
2023203460 Google LLC  
2023203461 Mammoet Holding B.V.  
2023203462 Howmedica Osteonics Corp.  
2023203463 Google LLC  
2023203464 The NOCO Company  
2023203465 Edgewell Personal Care Brands, LLC  
2023203466 Soft-Tex Group, Inc.  
2023203468 KAO, H.S.; CHANG, C.P.  
2023203469 Apple Inc.



**Innovation Patent Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 6 Jun 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** ZMT Mining Products Pty Ltd  
**(21)** 2023100055      **(22)** 13.06.2023  
**(54)** PROTECTION SYSTEMS  
**(62)** 2022202367

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**(71)** 3DMORPHIC PTY LTD  
**(21)** 2023100050      **(22)** 06.06.2023  
**(54)** Integrally formed medical devices  
**(62)** 2021221798

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**(71)** FISHER & PAYKEL HEALTHCARE  
LIMITED  
**(21)** 2023100051      **(22)** 09.06.2023  
**(54)** PATIENT INTERFACE  
**(62)** 2021221460

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**(71)** FISHER & PAYKEL HEALTHCARE  
LIMITED  
**(21)** 2023100052      **(22)** 09.06.2023  
**(54)** PATIENT INTERFACE  
**(62)** 2021221460

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**(71)** FISHER & PAYKEL HEALTHCARE  
LIMITED  
**(21)** 2023100053      **(22)** 09.06.2023  
**(54)** PATIENT INTERFACE  
**(62)** 2021221460

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**(71)** FISHER & PAYKEL HEALTHCARE  
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| <b>2023100051</b> | FISHER & PAYKEL HEALTHCARE LIMITED | <b>2023100054</b> | FISHER & PAYKEL HEALTHCARE LIMITED |
| <b>2023100052</b> | FISHER & PAYKEL HEALTHCARE LIMITED | <b>2023100055</b> | 2MT Mining Products Pty Ltd        |

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

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

The codes next to each number have the following meanings:

**Code Meaning**

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

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| 2003204440 ( 14 ) | 2003204469 ( 14 ) | 2003204474 ( 14 ) |
| 2003204496 ( 14 ) | 2003204504 ( 14 ) | 2003204537 ( 14 ) |
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| 2003237599 ( 14 ) | 2003238471 ( 14 ) | 2003238608 ( 14 ) |
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| 2003273285 ( 14 ) | 2003274758 ( 14 ) | 2003285558 ( 14 ) |
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| 2012258441 ( 14 ) | 2012261489 ( 14 ) | 2012318278 ( 14 ) |
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**2021**

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**2022**

2022200434 ( 4C ) 2022291409 ( 12AN ) 2022901578 ( 12AN )

**2023**

2023200166 ( 12AN ) 2023201413 ( 1B ) 2023201418 ( 1B )  
 2023201461 ( 1B ) 2023201505 ( 1B ) 2023201770 ( 7AN )

**Assignments before Grant, Section 113**

**2017**

2017204659 Valvoline Licensing and Intellectual Property, LLC The application has been assigned to **VGP IPCO LLC**

2017273629 Kipnis, Jonathan; The University of Virginia Patent Foundation; Da Mesquita, Sandro; Louveau, Antoine The application has been assigned to **The University of Virginia Patent Foundation**

2017282718 Restifo, Antonino The application has been assigned to **Global Component Enhancements Pty Ltd**

**2018**

2018236907 MarketMakers (Aust.) Pty Ltd The application has been assigned to **HUNTER DOUGLAS LIMITED**

2018275015 Shanferly, Wahib The application has been assigned to **Wang, Wen-bin**

**2019**

2019295764 Magna Imperio Systems Corp. The application has been assigned to **MIS IP Holdings, LLC**

2019300877 BERL, Volker The application has been assigned to **NEW AGE NANOTECH LLC**

2019324158 CAHANA, Aviad The application has been assigned to **Avelo Labs Inc.**

2019411524 Keltbray Limited The application has been assigned to **HIPER Pile Limited**

**2020**

2020262332 Meat & Livestock Australia Limited; 4C Design Limited The application has been assigned to **4c Design Group Limited; Meat & Livestock Australia Limited**

2020390962 Medshine Discovery Inc. The application has been assigned to **ZAI LAB (SHANGHAI) CO., LTD**

**2021**

2021204181 Valvoline Licensing and Intellectual Property, LLC The application has been assigned to **VGP IPCO LLC**

**Assignments before Grant, Section 113**

2021204529 BriTer Door Solutions Pty Ltd The application has been assigned to **Gate and Door Technology Pty Ltd**

2021283838 Magna Imperio Systems Corp. The application has been assigned to **MIS IP Holdings, LLC**

2021324488 Litwinski, Artur The application has been assigned to **TEDEE IP Sp. z o.o.**

2021347248 MEREDIAN, INC. The application has been assigned to **Danimer IPCo, LLC**

2021357513 ADDITIVE INSTRUMENTS LIMITED The application has been assigned to **Smith & Nephew, Inc; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited**

2021364536 FORMULATRIX, INC. The application has been assigned to **Formulatrix International Holding Ltd.**

2021364539 FORMULATRIX, INC. The application has been assigned to **Formulatrix International Holding Ltd.**

2021364540 FORMULATRIX, INC. The application has been assigned to **Formulatrix International Holding Ltd.**

2021365806 FORMULATRIX, INC. The application has been assigned to **Formulatrix International Holding Ltd.**

2021366720 LENOVO (UNITED STATES) INC. A CORPORATION OF DELAWARE The application has been assigned to **LENOVO (SINGAPORE) PTE. LTD.**

2021368987 CORETEX LIMITED The application has been assigned to **EROAD Limited**

2021380840 BRAIN DRIP LLC The application has been assigned to **Safeguard, LLC**

**2022**

2022209330 Valvoline Licensing and Intellectual Property LLC The application has been assigned to **VGP IPCO LLC**

**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.

**2016**

2016425639 **DriBond Concrete Overlay Solutions, LLC** An application to extend the time from 08 Nov 2022 to 08 Jun 2023 in which to pay a renewal fee has been filed . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

**2017**

2017268641 **Venhuizen, J.; Jones, M.** An application to extend the time from 07 Nov 2021 to 07 Jun 2023 in which to request examination

**Extensions of Time, Section 223**

and to pay a continuation fee has been filed . Address for service - Protect Me Pty Ltd 21 Bluebay Hill Ballajura WA 6066 AU

**2018**

2018361980 **Glatfelter Holding (Switzerland) AG** An application to extend the time from 02 Nov 2022 to 02 Jun 2023 in which to pay a continuation fee has been filed . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

**2021**

2021201485 **Sernova Corporation** An application to extend the time from 27 Aug 2022 to 27 Apr 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021249600 **KIKKOMAN CORPORATION** An application to extend the time from 31 Oct 2022 to 31 Mar 2023 in which to enter the National Phase has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021284769 **TECHFIELDS Inc.** An application to extend the time from 08 Jan 2023 to 08 Jun 2023 in which to enter the National Phase has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2023**

2023202002 **Dometic Sweden AB** An application to extend the time from 27 May 2020 to 27 Apr 2023 in which to associate with a complete application has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2013**

2013274574 **Tenex Health, Inc.** The time in which to pay a renewal fee has been extended to 10 Feb 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2014**

2014281389 **F.F. Seeley Nominees Pty Ltd.** The time in which to pay a renewal fee has been extended to 19 Jan 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2017**

2017268037 **Integrity Engineering Solutions Pty Ltd** The time in which to pay the acceptance fee has been extended to 02 Jun 2023 . Address for service - Westmark IP PO Box 3044 Joondalup WA 6027 AU

2017418909 **Natural Resource Beneficiation Limited** The time in which to pay a continuation fee has been extended to 14 Nov 2022 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2019**

2019275944 **Innovgas Pty Ltd** The time in which to request examination has been extended to 07 Jun 2023 . Address for service - Summit IP PO Box 81 Hope Valley SA 5090 AU

**Extensions of Time, Section 223**

**2021**

2021301274 **KENYON INTERNATIONAL, INC.** The time in which to enter the National Phase has been extended to 02 May 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021336799 **HOLLISTER INCORPORATED** The time in which to enter the National Phase has been extended to 04 May 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2022**

2022287564 **Contoleon, G.** The time in which to comply with a direction under Reg 3.2A has been extended to 11 May 2023 . Address for service - George Anthony Contoleon 27 Jellicoe Street PROSTON QLD 4613 AU

**2023**

2023200790 **Reschke, D.** The time in which to comply with a direction under Reg 3.2A has been extended to 23 May 2023 . Address for service - Arceo IP 52 Collins Street Enfield SA 5085 AU

2023203261 **JETBLACK INVESTMENTS PTY LTD** The time in which to associate with a complete application has been extended 17 Jun 2023 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2023203456 **Hunan Vegetable Research Institute** The time in which to claim the convention priority date has been extended to 21 Jun 2023 . Address for service - Arceo IP 52 Collins Street Enfield SA 5085 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**

2018249533 Self-assembling protein nanostructures displaying paramyxovirus and/or pneumovirus f proteins and their use **University Of Washington ; Institute For Research In Biomedicine** The nature of the amendment is as shown in the statement(s) filed 24 May 2023 . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

**2021**

2021202854 Lifter for laundry treating apparatus **LG Electronics Inc.** The nature of the amendment is as shown in the statement(s) filed 17 Apr 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**Amendments Made**

**Amendments****2017**

2017296040 **Acceleron Pharma Inc.** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2023

2017355312 **PepsiCo, Inc.** The nature of the amendment is as shown in the statement(s) filed 02 Jun 2023

2017373639 **AXOLTIS PHARMA** The nature of the amendment is as shown in the statement(s) filed 03 Mar 2023

2017378806 **Abiomed, Inc.** The nature of the amendment is as shown in the statement(s) filed 02 Jun 2023

**2018**

2018203044 **Joy Global Surface Mining Inc** The nature of the amendment is as shown in the statement(s) filed 24 Feb 2023

**2019**

2019210133 **NovaSignal Corp.** The nature of the amendment is as shown in the statement(s) filed 10 Feb 2023 and 10 Mar 2023

2019210656 **Molecular Templates, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2023

2019212478 **RAPT Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Mar 2023

2019225741 **Dragonfly Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read CHANG, Gregory P.; CHEUNG, Ann F.; GRINBERG, Asya; SETHI, Dhruv Kam; HANEY, William; PRINZ, Bianka; LUNDE, Bradley M.; WEI, Ronnie; FALLON, Daniel and O'NEIL, Steven

2019318083 **Dragonfly Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read BIGELOW, Mitchell; CHANG, Gregory P.; CHEUNG, Ann F.; GRINBERG, Asya; HANEY, William; WAGTMANN, Nicolai; LUNDE, Bradley M.; PRINZ, Bianka; WEI, Ronnie; FALLON, Daniel and O'NEIL, Steven

2019329178 **NEC Platforms, Ltd.** The nature of the amendment is: Amend the invention title to read ELECTRONIC LOCK CONTROL APPARATUS, ELECTRONIC LOCK CONTROL SYSTEM, ELECTRONIC LOCK CONTROL METHOD, AND PROGRAM

2019346903 **SPH SINE Pharmaceutical Laboratories Co., Ltd; Shanghai Institute of Endocrine and Metabolic Diseases** The nature of the amendment is as shown in the statement(s) filed 10 Mar 2023

**2020**

2020104490 **SpexAI GmbH** The nature of the amendment is as shown in the statement(s) filed 10 Mar 2023

2020472727 **NIPPON TELEGRAPH AND TELEPHONE CORPORATION** The nature of the amendment is as shown in the statement filed 25 May 2023

**Amendments**

2020474620 **COMERCIALIZADORA EXOBLAST CHILE SPA** The nature of the amendment is: Amend the invention title to read Non-explosive programmable electronic initiation system for rock blasting

2020475491 **HASEBE, T.; GLOBAL VASCULAR CO., LTD.** The nature of the amendment is: Amend the invention title to read Metal material for medical device, method of manufacturing metal material for medical device, and medical device

2020476230 **SES-IMAGOTAG GMBH** The nature of the amendment is: Amend the invention title to read Electronic Display Device for Fastening to a Shelf Edge Strip

**2021**

2021200390 **Molecular Templates, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2023

2021200894 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2023

2021288222 **Agilent Technologies, Inc.** The nature of the amendment is: Amend the name of the inventor to read ANDERSON, Rolfe; MCCAMPBELL, Adrienne; LIM, Victor; SCHEMBRI, Carol T.; JOHANNSEN, Michal and NIELSEN, Flemming Lassen

2021309909 **Meyer Intellectual Properties Limited; Cheng, V.C.; Atichat, T.; Yuen, L.K.** The nature of the amendment is: Amend the name of the inventor to read CHENG, Vincent Chi-seng; ATICHAT, Tanawata and LI, Kam Yuen

2021330485 **Hendrickson USA, L.L.C.** The nature of the amendment is: Amend the name of the inventor to read WITTLINGER, Jeffrey R.; WHITE, Jay D.; DHARAIYA, Dhawal; SCHAEFFER, David L. and WEEKLEY, Wyatt R

2021359790 **SHANDONG UNIVERSITY; SHANDONG HI-SPEED GROUP CO., LTD.** The nature of the amendment is: Amend the invention title to read TUNNEL BORING MACHINE-MOUNTED SYSTEM FOR MONITORING SHIELD-TOSURROUNDING ROCK DEFORMATION AND METHOD THEREOF

2021368356 **JFE STEEL CORPORATION; JFE GALVANIZING & COATING CO., LTD.** The nature of the amendment is: Amend the invention title to read HOT-DIP Al-Zn-Si-Mg-Sr COATED STEEL SHEET, SURFACE-TREATED STEEL SHEET, AND PRE-PAINTED STEEL SHEET

2021368390 **QILU UNIVERSITY OF TECHNOLOGY** The nature of the amendment is: Amend the invention title to read MULTI-TARGET RECOGNITION SYSTEM AND METHOD FOR FOLLOW-UP ROBOT BASED ON CODED THERMAL INFRARED MARK

2021370406 **JFE STEEL CORPORATION; JFE GALVANIZING & COATING CO., LTD.** The nature of the amendment is: Amend the invention title to read HOT-DIP Al-Zn-Si-Mg COATED STEEL SHEET, SURFACE-TREATED STEEL SHEET, AND PRE-PAINTED STEEL SHEET

2021373590 **SALK INSTITUTE FOR BIOLOGICAL STUDIES; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** The nature of the amendment is: Amend the invention title to read Sonogenic modulation of cells expressing bacterially-derived mechanosensitive proteins

**Amendments**

2021378152 **DAIICHI SANKYO COMPANY, LIMITED** The nature of the amendment is: Amend the invention title to read COMBINATION OF AN ANTIBODY-DRUG CONJUGATE WITH ANTI-SIRP $\alpha$  ANTIBODY

2021388872 **RMW CHO Group Limited** The nature of the amendment is as shown in the statement(s) filed 08 Mar 2023

2021390502 **ANTECIP BIOVENTURES II LLC** The nature of the amendment is: Amend the invention title to read BUPROPION AND DEXTROMETHORPHAN FOR REDUCTION OF SUICIDE RISK IN DEPRESSION PATIENTS

2021405049 **SOTIO BIOTECH A.S.** The nature of the amendment is: Amend the name of the inventor to read BAMMERT, Lukas; KYRYCH SADILKOVA, Lenka; HOSKOVA, Simona; VALENTOVA, Iva; WALDMEIER, Lorenz; BEERLI, Roger and MOEBIUS, Ulrich

2021407750 **PEKING UNIVERSITY** The nature of the amendment is: Amend the invention title to read AUTOMATIC PREPARATION METHOD OF FONDAPARINUX SODIUM PENTOSACCHARIDE INTERMEDIATE

2021411203 **CHINT NEW ENERGY TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read Back Structure Of Solar Cell, And Solar Cell With Back Structure

2021415703 **CHINT NEW ENERGY TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read Back-Side Metal Electrode of N-Type TOPCon Solar Cell, and Method for Preparing Back-Side Metal Electrode of N-Type TOPCon Solar Cell, and N-type TOPCon Solar Cell

2021439678 **CHINA UNIVERSITY OF MINING AND TECHNOLOGY** The nature of the amendment is: Amend the name of the inventor to read FAN, Hongdong; ZHUANG, Huifu; TAN, Zhixiang; ZHANG, Hongzhen; HAO, Ming and DENG, Kazhong

**2022**

2022201527 **Prysmian S.p.A.** The nature of the amendment is: Amend the name of the inventor to read Jonsson, Gustaf and Berglund, Kristoffer

2022219778 **MITSUBISHI CHEMICAL CORPORATION** The nature of the amendment is: Amend the invention title to read Improvement of reactivity of nitrile hydratase by aldehyde

2022314007 **LIER CHEMICAL CO., LTD.** The nature of the amendment is: Amend the invention title to read Preparation Method for Glufosinate

**2023**

2023201580 **Oryzon Genomics, S.A.** The nature of the amendment is: Amend the invention title to read COMBINATIONS OF LSD1 INHIBITORS FOR USE IN THE TREATMENT OF SOLID TUMORS

2023202829 **Terra Quantum AG** The nature of the amendment is: Amend the priority details to read 22186505.8 22 Jul 2022 EP

2023203268 **Mahindra and Mahindra Limited** The nature of the amendment is: Amend the invention title to read A Multi-Terrain Mode Selecting System for a Vehicle

**Amendments**

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

**2009**

2009314552 RegenMedTX, LLC The name of the applicant has been altered to **RegenMed (Cayman) Ltd.**

**2017**

2017203205 The Australian National University The name of the patentee has been altered to **Australian National University**

2017252251 L3Harris Latitude LLC The name of the patentee has been altered to **L3HARRIS UNMANNED SYSTEMS, INC.**

2017355627 OhmiQ, LLC The name of the patentee has been altered to **OhmiQ, Inc.**

**2018**

2018200413 Teijin Pharma Limited; Osaka City University The name of the patentee has been altered to **University Public Corporation Osaka; Teijin Pharma Limited**

2018265770 The Australian National University The name of the patentee has been altered to **Australian National University**

**2019**

2019240723 PFL Spaces International Pty Ltd The name of the applicant has been altered to **BIKE RACKS FOR BUILDINGS PTY LTD**

2019253172 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

2019418500 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

2019418785 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

2019445705 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

**2020**

2020210270 Hanwha Techwin Co., Ltd. The name of the applicant has been altered to **Hanwha Vision Co., Ltd**

2020291534 Phosphorus Free Water Solutions, LLC The name of the applicant has been altered to **NuQuatic, LLC**

2020385987 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

2020400428 Plasmaleap Technologies Ltd. The name of the applicant has been altered to **Plasmaleap Technologies Pty Ltd**

2020478312 TT&G., LTD. The name of the applicant has been altered to **TT&G Co., Ltd.**



**Amendments****2021**

2021204220 Aurigene Discovery Technologies Limited The name of the applicant has been altered to **Aurigene Oncology Limited**

2021313467 Osho Limited The name of the applicant has been altered to **Basis NZ Limited**

**2022**

2022901568 Western Sydney Local Health District; The Westmead Institute of Medical Research; The University of Sydney The name of the applicant has been altered to **Western Sydney Local Health District; The Westmead Institute for Medical Research; The University of Sydney**

2022902414 Atmo Biosciences Pty Ltd The name of the applicant has been altered to **Atmo Biosciences Limited**

2022902415 Atmo Biosciences Pty Ltd The name of the applicant has been altered to **Atmo Biosciences Limited**

2022902416 Atmo Biosciences Pty Ltd The name of the applicant has been altered to **Atmo Biosciences Limited**

2022902734 Osho Limited The name of the applicant has been altered to **Basis NZ Limited**

2022903989 Osho Limited The name of the applicant has been altered to **Basis NZ Limited**

**2023**

2023901021 Atmo Biosciences Pty Ltd The name of the applicant has been altered to **Atmo Biosciences Limited**

2023901358 Osho Limited The name of the applicant has been altered to **Basis NZ Limited**

Applications Open to Public Inspection

Name Index

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

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(71) Abbott Diabetes Care Inc.  
 (11) AU-A-2023203330  
 (21) 2023203330 (22) 29.05.2023  
 (54) Analyte sensors employing multiple enzymes and methods associated therewith  
 (51) Int. Cl.  
*A61B 5/145* ( 2006.01 )  
*A61B 5/1486* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2020214230  
 (72) Oja, Stephen; Ouyang, Tianmei; Cho, Hyun; Tran, Lam N.; Feldman, Benjamin J.; Sloan, Mark K.; Kumar, Ashwin; Kiaie, Namvar; Love, Michael R.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) AbbVie Inc.  
 (11) AU-A-2023203340  
 (21) 2023203340 (22) 29.05.2023  
 (54) Levodopa and carbidopa intestinal gel and methods of use  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 31/195* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/32* ( 2006.01 )  
*A61K 47/38* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2017299710  
 (72) DEAC, Alexandru; HUANG, Ye; LIPARI, John M.; RUGGLES, Alexander; TUN, Thin Yu  
 (74) Spruson & Ferguson

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023203284  
 (21) 2023203284 (22) 25.05.2023  
 (54) A GAMING MACHINE AND METHOD FOR PROVIDING A FEATURE GAME  
 (51) Int. Cl.  
*A63F 13/55* ( 2014.01 )  
*A63F 13/45* ( 2014.01 )  
 (43) 22.06.2023  
 (62) 2021203850  
 (72) Olive, Scott Christopher  
 (74) James & Wells Intellectual Property

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(71) Ashmere Holdings Pty Ltd  
 (11) AU-A-2021282399  
 (21) 2021282399 (22) 06.12.2021  
 (54) INTUMESCENT COVER OR JOINER  
 (51) Int. Cl.  
*E04B 1/94* ( 2006.01 )  
*A62C 3/10* ( 2006.01 )  
*E04B 1/68* ( 2006.01 )

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(43) 22.06.2023  
 (72) Ayres, Colin  
 (74) Griffith Hack

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(71) Barum Holdings Pty Ltd  
 (11) AU-A-2022279480  
 (21) 2022279480 (22) 30.11.2022  
 (54) Motorised Retracting Awning  
 (51) Int. Cl.  
*E04F 10/06* ( 2006.01 )  
*B65H 75/44* ( 2006.01 )  
*B65H 75/14* ( 2006.01 )  
 (31) 2021903934 (32) 03.12.21 (33) AU  
 (43) 22.06.2023  
 (72) Perry, Andrew  
 (74) Griffith Hack

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(71) Berg LLC  
 (11) AU-A-2023203322  
 (21) 2023203322 (22) 27.05.2023  
 (54) Systems and methods for patient stratification and identification of potential biomarkers  
 (51) Int. Cl.  
*G01N 33/48* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*G16B 25/00* ( 2019.01 )  
 (43) 22.06.2023  
 (62) 2017278261  
 (72) Narain, Niven Rajin; Akmaev, Vatcheslav R.; Rodrigues, Leonardo; Miller, Gregory Mark  
 (74) Spruson & Ferguson

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(71) BioAtla, LLC  
 (11) AU-A-2023203304  
 (21) 2023203304 (22) 26.05.2023  
 (54) Mirac Proteins  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
*A61K 38/17* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
*C12P 21/00* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2021202064  
 (72) Short, Jay M.; Chang, Hwai Wen; Frey, Gerhard; Frost, Gregory  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

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(71) Birim Makina Sanayi ve Ticaret Anonim Şirketi  
 (11) AU-A-2022283699  
 (21) 2022283699 (22) 02.03.2022  
 (54) Axial misalignment detection system  
 (51) Int. Cl.  
*G01B 21/24* ( 2006.01 )  
*B23D 31/00* ( 2006.01 )  
*B30B 9/32* ( 2006.01 )  
 (31) 2021/019144 (32) 06.12.21 (33) TR

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(43) 22.06.2023  
 (72) KARAHAN, Aykut  
 (74) AJ PARK

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(71) Blinkbio, Inc.  
 (11) AU-A-2023203341  
 (21) 2023203341 (22) 29.05.2023  
 (54) Silicon based drug conjugates and methods of using same  
 (51) Int. Cl.  
*C08L 83/00* ( 2006.01 )  
*C08G 77/00* ( 2006.01 )  
*C08L 83/04* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2021202329  
 (72) FOREMAN, Kenneth W.; NGUYEN, Hanh Nho; OFORI, Leslie Odame; WANNER, Jutta; WERNER, Douglas S.  
 (74) Spruson & Ferguson

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(71) Boehringer Ingelheim Animal Health USA Inc.  
 (11) AU-A-2023203335  
 (21) 2023203335 (22) 29.05.2023  
 (54) Liquid applicator for delivering vaccines  
 (51) Int. Cl.  
*A61D 1/02* ( 2006.01 )  
*A61D 7/00* ( 2006.01 )  
*A61J 1/06* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2018219437  
 (72) De Malibrán-Santibañez, Aurelie; Prado-Masias, Alonso; David, Frederic  
 (74) FB Rice Pty Ltd

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(71) Boehringer Ingelheim International GmbH  
 (11) AU-A-2023203321  
 (21) 2023203321 (22) 27.05.2023  
 (54) Pharmaceutical composition, methods for treating and uses thereof  
 (51) Int. Cl.  
*A61K 31/7048* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 13/12* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2017357589  
 (72) VON EYNATTEN, Maximilian; BROEDL, Uli Christian; WOERLE, Hans-Juergen  
 (74) Spruson & Ferguson

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(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2023203348  
 (21) 2023203348 (22) 30.05.2023  
 (54) Endoscopic ultrasound guided access needle  
 (51) Int. Cl.  
*A61M 5/32* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**A61M 25/06** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**(43)** 22.06.2023  
**(62)** 2020395075  
**(72)** FAVREAU, John Thomas  
**(74)** Spruson & Ferguson

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**(71)** Botanic Gardens and Parks Authority  
**(11)** AU-A-2022279522  
**(21)** 2022279522 **(22)** 01.12.2022  
**(54)** METHOD AND APPARATUS FOR USE IN ESTABLISHING OR RE-ESTABLISHING PLANT LIFE IN A LAND AREA  
**(51)** Int. Cl.  
**A01C 23/04** ( 2006.01 )  
**A01C 14/00** ( 2006.01 )  
**A01C 7/00** ( 2006.01 )  
**(31)** 2021903931 **(32)** 03.12.21 **(33)** AU  
**(43)** 22.06.2023  
**(72)** ERICKSON, Todd Erland; GUZZOMI, Andrew Louis; MASAREI, Monte Ian; MERRITT, David John  
**(74)** Griffith Hack

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**Bruce, R. see Bruce, S.**  
**(21)** 2022279406

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**(71)** Bruce, S.; Bruce, R.; Hayes, B.  
**(11)** AU-A-2022279406  
**(21)** 2022279406 **(22)** 29.11.2022  
**(54)** TOOL AND METHOD FOR FORMING A PUDDLE DRAIN RECESS  
**(51)** Int. Cl.  
**B24B 23/00** ( 2006.01 )  
**B24B 23/02** ( 2006.01 )  
**B24B 27/08** ( 2006.01 )  
**B25H 1/00** ( 2006.01 )  
**(31)** 2021903921 **(32)** 03.12.21 **(33)** AU  
 788621 24.05.22 NZ  
**(43)** 22.06.2023  
**(72)** Bruce, Stephen; Bruce, Rodney; Hayes, Brett  
**(74)** Franke Hyland Pty Ltd

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**(71)** Canva Pty Ltd  
**(11)** AU-A-2021273643  
**(21)** 2021273643 **(22)** 26.11.2021  
**(54)** Systems and methods for automatically recolouring a design  
**(51)** Int. Cl.  
**G06T 7/90** ( 2017.01 )  
**G06T 11/40** ( 2006.01 )  
**G06T 11/60** ( 2006.01 )  
**G06F 3/0482** ( 2013.01 )  
**G06F 3/04845** ( 2022.01 )  
**(43)** 22.06.2023  
**(72)** Martin, Tristan Lindsay; Parkinson, Sam Luke Fancourt  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Canva Pty Ltd  
**(11)** AU-A-2021282391  
**(21)** 2021282391 **(22)** 06.12.2021

**(54)** Systems and methods for rendering tables  
**(51)** Int. Cl.  
**G06T 11/20** ( 2006.01 )  
**G06F 3/0484** ( 2013.01 )  
**G06T 11/00** ( 2006.01 )  
**G06T 11/40** ( 2006.01 )  
**(43)** 22.06.2023  
**(72)** Kent, Cieran James  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Canva Pty Ltd  
**(11)** AU-A-2022275402  
**(21)** 2022275402 **(22)** 21.11.2022  
**(54)** Systems and methods for adding a design element to a design  
**(51)** Int. Cl.  
**G06T 11/60** ( 2006.01 )  
**G06F 3/0481** ( 2022.01 )  
**G06F 16/9038** ( 2019.01 )  
**(31)** 2021903926 **(32)** 03.12.21 **(33)** AU  
**(43)** 22.06.2023  
**(72)** Fallows, Marc; Wu, Danny; Rothe, Shannon Michael; Zorz, Katherine Nicole; Perkins, Melanie Joy; Freeman, Andrew Francis Argente  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Case Western Reserve University  
**(11)** AU-A-2023203281  
**(21)** 2023203281 **(22)** 25.05.2023  
**(54)** Melt processed viral nanoparticle constructs  
**(51)** Int. Cl.  
**C12N 7/00** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 9/52** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
**C07K 14/005** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2017354004  
**(72)** Steinmetz, Nicole F.; Pokorski, Jonathan  
**(74)** Oxygene IP

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**(71)** Case Western Reserve University  
**(11)** AU-A-2023203297  
**(21)** 2023203297 **(22)** 26.05.2023  
**(54)** System for Accelerated Recovery from Direct Current (DC) Nerve Block Using Repolarization  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61N 1/20** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2020241242  
**(72)** VRABEC, Tina L.; KILGORE, Kevin L.; WAINRIGHT, Jesse S.; BHADRA, Niloy  
**(74)** ACROGON GROUP PTY LTD

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**(71)** China Coal Technology & Engineering Group Chongqing Research Institute Co. Ltd  
**(11)** AU-A-2022279525  
**(21)** 2022279525 **(22)** 11.01.2022  
**(54)** An anti-deviation crawler walking hydraulic system

**(51)** Int. Cl.  
**B62D 55/06** ( 2006.01 )  
**F15B 11/16** ( 2006.01 )  
**F15B 11/22** ( 2006.01 )  
**F15B 13/06** ( 2006.01 )  
**F15B 21/041** ( 2019.01 )  
**(31)** 202111459014.6 **(32)** 02.12.21 **(33)** CN  
**(43)** 22.06.2023  
**(72)** LIU, Xiaohua; XIN, Dezhong; CHEN, Hang; TANG, Min; WAN, Jun; WANG, Qingfeng; ZHANG, Shizhai; LU, Jinjun; PU, Jian; MA, Zhengang; YANG, Lin; LEI, Wannian; WAN, Yuan; ZHOU, Fujia; LU, Shiping; WANG, Xing  
**(74)** TIDY TEND GLOBAL PTY LTD

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**(71)** CNH Industrial America LLC  
**(11)** AU-A-2022283680  
**(21)** 2022283680 **(22)** 06.12.2022  
**(54)** System and method for an agricultural applicator  
**(51)** Int. Cl.  
**A01F 12/44** ( 2006.01 )  
**A01D 41/127** ( 2006.01 )  
**A01F 12/56** ( 2006.01 )  
**(31)** 17/544,484 **(32)** 07.12.21 **(33)** US  
**(43)** 22.06.2023  
**(72)** Long, Scott Allen  
**(74)** Griffith Hack

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**(71)** Colgate-Palmolive Company  
**(11)** AU-A-2023203299  
**(21)** 2023203299 **(22)** 26.05.2023  
**(54)** Oral care composition comprising a cannabinoid  
**(51)** Int. Cl.  
**A61K 8/34** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2020363397  
**(72)** ARORA, Payal; POTNIS, Shashank; MARTINETTI, Melissa; HASKEL, Ariel; SURIANO, David; GREGSON, Connie; XU, Yun  
**(74)** Spruson & Ferguson

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**(71)** DEKA Products Limited Partnership  
**(11)** AU-A-2023203295  
**(21)** 2023203295 **(22)** 25.05.2023  
**(54)** Fluid pumping and bioreactor system  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2021204366  
**(72)** KAMEN, Dean; DEMERS, Jason A.; MORGAN, Frederick; MOREAU, Timothy D.; TRACEY, Brian D.; WARE, Matthew; VAN DER MERWE, Dirk A.; LANIGAN, Richard J.; BAKER, Michael A.; BLUMBERG Jr., David  
**(74)** Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

- (71) DEKA Products Limited Partnership  
(11) AU-A-2023203296  
(21) 2023203296 (22) 25.05.2023  
(54) User control device for a transporter  
(51) Int. Cl.  
A61G 5/06 ( 2006.01 )  
B60L 15/10 ( 2006.01 )  
G05D 1/00 ( 2006.01 )  
G05D 1/02 ( 2020.01 )  
(43) 22.06.2023  
(62) 2021290227  
(72) PERET, Bob D.; COULTER, Stewart M.; KAMEN, Dean; KANE, Derek G.  
(74) Griffith Hack
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- (71) Dexcom, Inc.  
(11) AU-A-2023203332  
(21) 2023203332 (22) 29.05.2023  
(54) Remote monitoring of analyte measurements  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/145 ( 2006.01 )  
(43) 22.06.2023  
(62) 2021203028  
(72) MENSINGER, Michael Robert; COHEN, Eric; MAYOU, Phil; REIHMAN, Eli; GRUBSTEIN, Katherine Yerre; DRAEGER, Rian; TRAVEN, Angela Marie  
(74) FB Rice Pty Ltd
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- (71) Dunbowin Pty Ltd  
(11) AU-A-2022283705  
(21) 2022283705 (22) 07.12.2022  
(54) Personnel record and match system  
(51) Int. Cl.  
G06Q 10/1053 ( 2023.01 )  
G06F 21/64 ( 2013.01 )  
G06Q 10/0631 ( 2023.01 )  
G06Q 30/0251 ( 2023.01 )  
G06Q 50/00 ( 2012.01 )  
(31) 2021903974 (32) 08.12.21 (33) AU  
(43) 22.06.2023  
(72) EGRI, Anna; WALSH, Kylie  
(74) FB Rice Pty Ltd
- 
- (71) E^NAT Technologies LLC  
(11) AU-A-2023203289  
(21) 2023203289 (22) 25.05.2023  
(54) Systems and methods for providing a ReNAT communications environment  
(51) Int. Cl.  
G06F 15/16 ( 2006.01 )  
(43) 22.06.2023  
(62) 2021269297  
(72) MCKINNEY, Richard Lee; MCKINNEY, Jack Dennis  
(74) Spruson & Ferguson
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- (71) EUROSPPARES DEPOT HOLDINGS PTY LTD  
(11) AU-A-2022331907  
(21) 2022331907 (22) 02.12.2022  
(54) Emergency disc brake assembly  
(51) Int. Cl.  
F16D 63/00 ( 2006.01 )
- B60T 7/12 ( 2006.01 )  
B60T 13/68 ( 2006.01 )  
B60T 13/74 ( 2006.01 )  
F16D 55/00 ( 2006.01 )  
F16D 55/226 ( 2006.01 )  
F16D 121/18 ( 2012.01 )  
F16D 125/06 ( 2012.01 )  
F16D 127/00 ( 2012.01 )  
(31) 2021903910 (32) 02.12.21 (33) AU  
(43) 22.06.2023  
(72) ALTAIR, Steven  
(74) Murray Trento & Associates Pty Ltd
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- (71) F. Hoffmann-La Roche AG  
(11) AU-A-2023203292  
(21) 2023203292 (22) 25.05.2023  
(54) Bicyclic ketone compounds and methods of use thereof  
(51) Int. Cl.  
C07D 487/04 ( 2006.01 )  
A61K 31/41 ( 2006.01 )  
A61K 31/437 ( 2006.01 )  
A61K 31/5365 ( 2006.01 )  
A61P 25/16 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
C07D 498/04 ( 2006.01 )  
(43) 22.06.2023  
(62) 2021204369  
(72) Patel, Snahel; Hamilton, Gregory; Zhao, Guiling; Chen, Huifen; Daniels, Blake; Stivala, Craig  
(74) Spruson & Ferguson
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- (71) Fisher & Paykel Healthcare Limited  
(11) AU-A-2023203136  
(21) 2023203136 (22) 18.05.2023  
(54) HUMIDIFICATION OF RESPIRATORY GASES  
(51) Int. Cl.  
A61M 16/10 ( 2006.01 )  
A61M 16/16 ( 2006.01 )  
(43) 22.06.2023  
(62) 2017208697  
(72) Smith, Daniel John; Newland, Anthony James; Liu, Po-Yen; Van Workum, Stefan Leo; Teng, Ivan Chih-Fan  
(74) AJ PARK
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- (71) Fisher and Paykel Healthcare Limited  
(11) AU-A-2023203071  
(21) 2023203071 (22) 16.05.2023  
(54) WATER OUT ALARM DETERMINATION  
(51) Int. Cl.  
A61M 16/16 ( 2006.01 )  
G01F 23/00 ( 2022.01 )  
G05D 9/00 ( 2006.01 )  
(43) 22.06.2023  
(62) 2017297977  
(72) Liu, Po-Yen; Teng, Ivan Chih-Fan; Van Workum, Stefan Leo; Steiner, Oliver Samuel; Newland, Anthony James  
(74) AJ PARK
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- (71) Form 700 Pty Ltd  
(11) AU-A-2022279457  
(21) 2022279457 (22) 30.11.2022
- (54) POSITIONABLE PLATFORM  
(51) Int. Cl.  
E04G 3/28 ( 2006.01 )  
E04G 5/14 ( 2006.01 )  
(31) 2021903908 (32) 02.12.21 (33) AU  
2022900962 11.04.22 AU  
(43) 22.06.2023  
(72) Rosati, Wasyl  
(74) Madderns Pty Ltd
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- (71) FVA Group Pty Ltd  
(11) AU-A-2022271405  
(21) 2022271405 (22) 15.11.2022  
(54) INTERCHANGEABLE RAIL/TRACK CONCEPT  
(51) Int. Cl.  
E04F 13/08 ( 2006.01 )  
E04B 1/38 ( 2006.01 )  
E04B 2/02 ( 2006.01 )  
(31) 2021903923 (32) 03.12.21 (33) AU  
(43) 22.06.2023  
(72) GUERRERA, Angelo  
(74) Baxter Patent Attorneys Pty Ltd
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- (71) Georg Fischer Rohrleitungssysteme AG  
(11) AU-A-2022279493  
(21) 2022279493 (22) 01.12.2022  
(54) Welding assessment during welding process  
(51) Int. Cl.  
G01N 29/00 ( 2006.01 )  
B23K 31/12 ( 2006.01 )  
B29C 37/00 ( 2006.01 )  
G01B 11/24 ( 2006.01 )  
(31) 21 212 668.4 (32) 07.12.21 (33) EP  
(43) 22.06.2023  
(72) BARBONE, Riccardo  
(74) FB Rice Pty Ltd
- 
- (71) Georg Fischer Rohrleitungssysteme AG  
(11) AU-A-2022283666  
(21) 2022283666 (22) 06.12.2022  
(54) Double pipe system  
(51) Int. Cl.  
F16L 9/18 ( 2006.01 )  
F16L 21/06 ( 2006.01 )  
F16L 39/00 ( 2006.01 )  
(31) 21 212 664.3 (32) 07.12.21 (33) EP  
(43) 22.06.2023  
(72) Breyer, Markus; Roesch, Juergen  
(74) FB Rice Pty Ltd
- 
- (71) Getac Technology Corporation  
(11) AU-A-2022279547  
(21) 2022279547 (22) 02.12.2022  
(54) Electronic Device, Expansion Structure For Electronic Card And Assembly Method Thereof  
(51) Int. Cl.  
H01R 31/06 ( 2006.01 )  
G06F 1/18 ( 2006.01 )  
G06K 13/08 ( 2006.01 )  
H05K 5/02 ( 2006.01 )  
H05K 7/14 ( 2006.01 )  
(31) 202111474967.X (32) 03.12.21 (33) CN

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(43) 22.06.2023  
 (72) CHANG, Kuang-Yeh; CHIU, Yi-Chia  
 (74) WRAYS PTY LTD

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(71) Giant Manufacturing Co., Ltd.  
 (11) AU-A-2022279470  
 (21) 2022279470 (22) 30.11.2022  
 (54) POWER-MEASURING DEVICES  
 (51) Int. Cl.  
*B62J 45/421* ( 2020.01 )  
*B62M 3/08* ( 2006.01 )  
*G01L 3/00* ( 2006.01 )  
*G01L 3/04* ( 2006.01 )  
*H01M 10/0525* ( 2010.01 )  
 (31) 63/264,833 (32) 02.12.21 (33) US  
 18/058,744 24.11.22 US  
 (43) 22.06.2023  
 (72) LIN, Ching-Yao; HUANG, Chin-Lai;  
 CHANG, Chih-Kai; LIN, Chung-Wei  
 (74) Halfords IP

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(71) GOOGLE LLC  
 (11) AU-A-2022361894  
 (21) 2022361894 (22) 26.10.2022  
 (54) EXTENDING BATTERY LIFE AFTER  
 LONG-TERM AND HIGH-TEMPERAT-  
 URE STORAGE  
 (51) Int. Cl.  
*G01R 31/36* ( 2020.01 )  
 (31) 63/265,020 (32) 06.12.21 (33) US  
 (43) 22.06.2023  
 (72) LIM, James Robert; YE, Chang Hong;  
 WANG, David; LI, Yuandan  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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(71) Gunarathna Gunarathna Mudiyanse-  
 l- age, P.B.  
 (11) AU-A-2021282454  
 (21) 2021282454 (22) 08.12.2021  
 (54) A DEVICE FOR PICKING FRUIT  
 (51) Int. Cl.  
*A01D 46/30* ( 2006.01 )  
*A01D 46/253* ( 2006.01 )  
 (43) 22.06.2023  
 (72) Gunarathna Gunarathna Mudiyanse-  
 l- age, Punchi Banda  
 (74) James & Wells Intellectual Property

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(71) Halliburton Energy Services, Inc.  
 (11) AU-A-2022256101  
 (21) 2022256101 (22) 18.10.2022  
 (54) IDENTIFYING TYPES OF CONTAMIN-  
 ATIONS OF DRILLING FLUIDS FOR A  
 DRILLING OPERATION  
 (51) Int. Cl.  
*G01N 33/26* ( 2006.01 )  
*E21B 44/00* ( 2006.01 )  
*G01N 33/24* ( 2006.01 )  
 (31) 17/546,028 (32) 08.12.21 (33) US  
 (43) 22.06.2023  
 (72) Jamison, Dale E.; Kulkarni, Sandeep  
 D.; Kulkarni, Sandeep Dileep  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Halliburton Energy Services, Inc.  
 (11) AU-A-2022256170  
 (21) 2022256170 (22) 20.10.2022  
 (54) Estimating composition of drilling fluid  
 in a wellbore using direct and indirect  
 measurements  
 (51) Int. Cl.  
*E21B 21/00* ( 2006.01 )  
*E21B 43/00* ( 2006.01 )  
*E21B 49/08* ( 2006.01 )  
 (31) 17/546,009 (32) 08.12.21 (33) US  
 (43) 22.06.2023  
 (72) KULKARNI, Sandeep Dileep; MA-  
 HAJAN, Lalit Narayan; JAMISON, Dale  
 E.  
 (74) Spruson & Ferguson

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(71) HANSHOW TECHNOLOGY CO., LTD.  
 (11) AU-A-2021470577  
 (21) 2021470577 (22) 29.11.2021  
 (54) ELECTRONIC SHELF LABEL POSI-  
 TIONING SYSTEM AND METHOD,  
 ELECTRONIC SHELF LABEL AND  
 GUIDE RAIL  
 (51) Int. Cl.  
*G06K 17/00* ( 2006.01 )  
 (87) WO2023/092558  
 (43) 22.06.2023  
 (72) HOU, Shiguo; ZHAO, Jianguo; LIANG,  
 Min; ZHUO, Le; YI, Sheng; ZHAO,  
 Yang; WANG, Yanwei; WANG, Linjiang  
 (74) Madderns Pty Ltd

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(71) Hans Künz GmbH  
 (11) AU-A-2022279535  
 (21) 2022279535 (22) 02.12.2022  
 (54) Method for controlling a movement of a  
 load in a workspace of a load transport  
 device  
 (51) Int. Cl.  
*B66C 13/46* ( 2006.01 )  
*B25J 11/00* ( 2006.01 )  
*B66D 1/28* ( 2006.01 )  
 (31) A 192/2021 (32) 06.12.21 (33) AT  
 (43) 22.06.2023  
 (72) EBERHARTER, Johannes Karl; LANG,  
 Robert; KLAPPER, Georg  
 (74) FB Rice Pty Ltd

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(71) Hanwha Corporation  
 (11) AU-A-2022283709  
 (21) 2022283709 (22) 07.10.2022  
 (54) Emulsion explosive composition for  
 booster of bulk explosive  
 (51) Int. Cl.  
*C06B 47/14* ( 2006.01 )  
*C06B 23/00* ( 2006.01 )  
*C06B 45/00* ( 2006.01 )  
 (31) 10-2021-0174698 (32) 08.12.21 (33) KR  
 (43) 22.06.2023  
 (72) LIM, Moon Young; KIM, Jang Ho; KIM,  
 So Seol; WOO, Ha Na  
 (74) WRAYS PTY LTD

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(71) Hanwha Corporation  
 (11) AU-A-2022283710  
 (21) 2022283710 (22) 07.10.2022

(54) Emulsion explosive composition con-  
 taining PAPAN  
 (51) Int. Cl.  
*C06B 47/14* ( 2006.01 )  
*C06B 23/00* ( 2006.01 )  
*C06B 45/00* ( 2006.01 )  
 (31) 10-2021-0173587 (32) 07.12.21 (33) KR  
 (43) 22.06.2023  
 (72) LIM, Moon Young; WOO, Ha Na; AN,  
 Young In  
 (74) WRAYS PTY LTD

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Hayes, B. see Bruce, S.  
 (21) 2022279406

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(71) Haynes, S.  
 (11) AU-A-2021286453  
 (21) 2021286453 (22) 20.12.2021  
 (54) Cargo Trailer for a Scooter  
 (51) Int. Cl.  
*B62K 27/00* ( 2006.01 )  
*B62D 63/06* ( 2006.01 )  
 (31) 17/541,715 (32) 03.12.21 (33) US  
 (43) 22.06.2023  
 (72) Haynes, Scott  
 (74) Pipers Intellectual Property

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(71) Hydrogen Fueling Corp.  
 (11) AU-A-2023203237  
 (21) 2023203237 (22) 23.05.2023  
 (54) METHOD OF FABRICATING CON-  
 CENTRIC-TUBE CATALYTIC REACT-  
 OR ASSEMBLY  
 (51) Int. Cl.  
*B01J 8/02* ( 2006.01 )  
*B01J 8/04* ( 2006.01 )  
 (43) 22.06.2023  
 (62) 2021200459  
 (72) Blanchet, Scott; Li, Zhijiang  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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(71) JVCKENWOOD Corporation  
 (11) AU-A-2023203329  
 (21) 2023203329 (22) 29.05.2023  
 (54) IMAGE CODING DEVICE, IMAGE  
 CODING METHOD, IMAGE COD-  
 ING PROGRAM, IMAGE DECODING  
 DEVICE, IMAGE DECODING METH-  
 OD AND IMAGE DECODING PRO-  
 GRAM  
 (51) Int. Cl.  
*H04N 19/119* ( 2014.01 )  
*H04N 19/136* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
*H04N 19/196* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
*H04N 19/96* ( 2014.01 )  
 (43) 22.06.2023  
 (62) 2022203353  
 (72) FUKUSHIMA, Shigeru  
 (74) WRAYS PTY LTD

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(71) Laminex Group Pty Limited  
 (11) AU-A-2022241578  
 (21) 2022241578 (22) 30.09.2022

Applications Open to Public Inspection - Name Index cont'd

- (54) IMPROVED FIBREBOARD PRODUCT  
(51) Int. Cl.  
*B27N 3/04* ( 2006.01 )  
*B27K 9/00* ( 2006.01 )  
*B27N 1/00* ( 2006.01 )  
*B27N 3/12* ( 2006.01 )  
(31) 2021903956 (32) 07.12.21 (33) AU  
(43) 22.06.2023  
(72) Wong, Marcus Cameron; Chiuta, Steven  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Laminex Group Pty Limited  
(11) AU-A-2022241579  
(21) 2022241579 (22) 30.09.2022  
(54) IMPROVED PARTICLEBOARD  
(51) Int. Cl.  
*B27N 3/02* ( 2006.01 )  
*B27K 9/00* ( 2006.01 )  
*B27L 11/02* ( 2006.01 )  
*B27N 1/02* ( 2006.01 )  
*B27N 3/14* ( 2006.01 )  
(31) 2021903958 (32) 07.12.21 (33) AU  
(43) 22.06.2023  
(72) Wong, Marcus Cameron; Chiuta, Steven  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Langweisi Technology (Shenzhen) Co., Ltd  
(11) AU-A-2021380855  
(21) 2021380855 (22) 07.12.2021  
(54) Lamp projecting starry sky and nebula generation method thereof  
(51) Int. Cl.  
*F21V 13/10* ( 2006.01 )  
(87) WO2022/166368  
(43) 22.06.2023  
(72) Li, Xue Quan  
(74) Madderns Pty Ltd
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- (71) Longyear TM, Inc.  
(11) AU-A-2022283610  
(21) 2022283610 (22) 05.12.2022  
(54) Continuous sampling drill bit  
(51) Int. Cl.  
*E21B 10/00* ( 2006.01 )  
*E21B 10/02* ( 2006.01 )  
*E21B 10/04* ( 2006.01 )  
*E21B 10/08* ( 2006.01 )  
*E21B 10/20* ( 2006.01 )  
*E21B 10/60* ( 2006.01 )  
*E21B 49/02* ( 2006.01 )  
(31) 63/285,844 (32) 03.12.21 (33) US  
(43) 22.06.2023  
(72) Brubacher, Adrian; Drenth, Christopher L.  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Luteiden Torjunta Helle Oy  
(11) AU-A-2023203294  
(21) 2023203294 (22) 25.05.2023  
(54) Bed Bug Monitoring Furniture Leg  
(51) Int. Cl.  
*A01M 1/10* ( 2006.01 )  
*A01M 1/02* ( 2006.01 )  
*A47B 91/14* ( 2006.01 )
- G06Q 50/10* ( 2012.01 )  
(43) 22.06.2023  
(62) 2017277098  
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*G01N 33/18* ( 2006.01 )  
*C02F 1/00* ( 2023.01 )  
*E04H 4/12* ( 2006.01 )  
*E04H 4/16* ( 2006.01 )  
*G01F 11/28* ( 2006.01 )  
*G01N 21/25* ( 2006.01 )  
*G01N 21/63* ( 2006.01 )  
*C02F 103/42* ( 2006.01 )  
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(74) WRAYS PTY LTD
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(51) Int. Cl.  
*A61L 27/50* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/127* ( 2006.01 )  
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(51) Int. Cl.  
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*A61M 15/06* ( 2006.01 )  
*H05B 6/36* ( 2006.01 )
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(51) Int. Cl.  
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(51) Int. Cl.  
*G01S 19/30* ( 2010.01 )  
*H03M 7/00* ( 2006.01 )  
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*G02C 7/08* ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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(72) van Zee, Johan  
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 (31) 21212676.7 (32) 07.12.21 (33) EP  
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 (74) Golja Haines & Friend

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 (11) AU-A-2023203293  
 (21) 2023203293 (22) 25.05.2023  
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 (51) Int. Cl.  
*H01S 5/026* ( 2006.01 )  
*G01S 17/02* ( 2020.01 )  
*G02B 6/12* ( 2006.01 )  
*G02B 6/42* ( 2006.01 )  
*H01S 5/00* ( 2006.01 )  
*H01S 5/02208* ( 2021.01 )  
*H01S 5/02255* ( 2021.01 )  
*H01S 5/02315* ( 2021.01 )  
*H01S 5/02326* ( 2021.01 )  
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*G01S 7/481* ( 2006.01 )  
*H01S 5/0683* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Water heater  
 (51) Int. Cl.  
*F24H 8/00* ( 2022.01 )  
*F24H 1/10* ( 2022.01 )  
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*A61K 6/898* ( 2020.01 )  
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*A61K 8/41* ( 2006.01 )  
*A61Q 11/00* ( 2006.01 )  
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 (51) Int. Cl.  
*C12Q 1/34* ( 2006.01 )  
*G01N 27/62* ( 2021.01 )  
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 (74) Spruson & Ferguson

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 (51) Int. Cl.  
*A61K 38/16* ( 2006.01 )  
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*C12N 9/22* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Purdue Pharma L.P.  
 (11) AU-A-2023203345  
 (21) 2023203345 (22) 29.05.2023  
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 (51) Int. Cl.  
*C07D 451/04* ( 2006.01 )  
*A61K 31/498* ( 2006.01 )  
*A61P 25/20* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) QFE Holdings Pty. Ltd.  
 (11) AU-A-2023203331  
 (21) 2023203331 (22) 29.05.2023  
 (54) Dual Control Materials Spreading Vehicle  
 (51) Int. Cl.  
*E01C 19/20* ( 2006.01 )  
*B62D 1/00* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
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 (51) Int. Cl.  
*E21B 10/28* ( 2006.01 )  
*E21B 7/04* ( 2006.01 )

*E21B 10/08* ( 2006.01 )  
*E21B 10/22* ( 2006.01 )  
*E21B 10/26* ( 2006.01 )  
*E21B 10/30* ( 2006.01 )  
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 (21) 2023203316 (22) 26.05.2023  
 (54) A SYSTEM AND METHOD FOR GENERATING PRODUCER DATA AND FOR PLANNING BASED THEREON  
 (51) Int. Cl.  
*G06Q 10/06* ( 2023.01 )  
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 (62) 2016293379  
 (72) Sawford, Gilbert Paul  
 (74) Krouzer IP

(71) SELOW, R.  
 (11) AU-A-2022283614  
 (21) 2022283614 (22) 05.12.2022  
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 (51) Int. Cl.  
*B23K 26/38* ( 2014.01 )  
*B23K 26/70* ( 2014.01 )  
*B29C 59/16* ( 2006.01 )  
*B32B 7/027* ( 2019.01 )  
 (31) PCT/ (32) 07.12.21 (33) WO  
 BR2021/050540  
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 (72) SELOW, ROBERTO  
 (74) Michael Buck IP

(71) Seminis Vegetable Seeds, Inc.  
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 (21) 2022268320 (22) 09.11.2022  
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 (51) Int. Cl.  
*A01H 6/82* ( 2018.01 )  
*A01H 5/08* ( 2018.01 )  
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 (72) KRAMER, Chad  
 (74) Davies Collison Cave Pty Ltd

(71) Shanghai Jinko Green Energy Enterprise Management Co. Ltd.; Zhejiang Jinko Solar Co. Ltd.  
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 (21) 2023203334 (22) 29.05.2023  
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 (51) Int. Cl.  
*H01L 31/05* ( 2014.01 )

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 (21) 2023203319 (22) 27.05.2023  
 (54) Footwear counter for easier entry and removal

(51) Int. Cl.  
 A43B 23/17 ( 2006.01 )  
 A43B 11/00 ( 2006.01 )  
 A43B 11/02 ( 2006.01 )  
 A43B 23/08 ( 2006.01 )  
 A43B 21/26 ( 2006.01 )  
 A43B 21/32 ( 2006.01 )  
 A43B 21/36 ( 2006.01 )  
 A43B 23/10 ( 2006.01 )  
 A43B 23/26 ( 2006.01 )

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 (11) AU-A-2023203320  
 (21) 2023203320 (22) 27.05.2023  
 (54) Footwear counter for easier entry and removal

(51) Int. Cl.  
 A43B 23/17 ( 2006.01 )  
 A43B 11/00 ( 2006.01 )  
 A43B 11/02 ( 2006.01 )  
 A43B 23/08 ( 2006.01 )  
 A43B 21/26 ( 2006.01 )  
 A43B 21/32 ( 2006.01 )  
 A43B 21/36 ( 2006.01 )  
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(43) 22.06.2023  
 (62) 2022362306  
 (72) WEEKS, John Maxwell; KELLEY, Scott; CHUANG, Frank F.; LIAO, Pei-Chun; TJA, Johnson; XIE, Hui; STOCK-BRIDGE, Kurt  
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(71) Stamicarbon B.V.  
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 C22C 38/00 ( 2006.01 )  
 B01J 19/02 ( 2006.01 )  
 C07C 273/04 ( 2006.01 )  
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 C22C 38/04 ( 2006.01 )  
 C22C 38/20 ( 2006.01 )  
 C22C 38/22 ( 2006.01 )  
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 (21) 2022353321 (22) 01.12.2022  
 (54) MULTI-STAGE MULTI-ENERGY DISTRIBUTED RESOURCE AGGREGATION METHOD AND APPARATUS OF VIRTUAL POWER PLANT, AND STORAGE MEDIUM

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 H02J 3/14 ( 2006.01 )

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 (74) Oxygene IP

(71) Superior Pak Holdings Pty Ltd  
 (11) AU-A-2023203131

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 (54) EJECTION BLADE FOR A COMPACTED CHAMBER OF A WASTE COLLECTION VEHICLE

(51) Int. Cl.  
 B65F 3/28 ( 2006.01 )  
 B65F 3/20 ( 2006.01 )

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 (62) 2017294788  
 (72) Wrigley, Robert; Errington, Rowland; Pronger, Michael  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Techtronic Cordless GP  
 (11) AU-A-2022283630

(21) 2022283630 (22) 05.12.2022  
 (54) A battery pack and housing assembly for battery packs

(51) Int. Cl.  
 H02K 5/04 ( 2006.01 )  
 B25F 5/02 ( 2006.01 )  
 H01M 10/04 ( 2006.01 )  
 H01M 50/204 ( 2021.01 )  
 H02J 7/00 ( 2006.01 )

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(71) Techtronic Cordless GP

(11) AU-A-2022283632  
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 (54) Battery pack  
 (51) Int. Cl.  
 H01M 50/207 ( 2021.01 )

B25F 5/02 ( 2006.01 )  
 H01M 50/233 ( 2021.01 )  
 H01M 50/289 ( 2021.01 )

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 (21) 2022271464 (22) 17.11.2022  
 (54) Pixelated electrostatic adhesion

(51) Int. Cl.  
 H01L 33/08 ( 2010.01 )  
 G01N 1/28 ( 2006.01 )  
 G06F 3/00 ( 2006.01 )  
 H01L 25/00 ( 2006.01 )  
 H01L 27/14 ( 2006.01 )  
 (31) 17/544,512 (32) 07.12.21 (33) US  
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 (72) BAIN, David M.; CHAMBERS, Brittany P.  
 (74) FB Rice Pty Ltd

(71) The Chinese University of Hong Kong  
 (11) AU-A-2023203305

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 (54) Detecting hematological disorders using cell-free DNA in blood

(51) Int. Cl.  
 C12Q 1/68 ( 2018.01 )  
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 (74) Griffith Hack

(71) The Middleby Corporation  
 (11) AU-A-2023203343

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 (54) Convection conveyor oven manifold and damper system

(51) Int. Cl.  
 F23D 14/60 ( 2006.01 )  
 F23N 1/02 ( 2006.01 )  
 F24C 3/12 ( 2006.01 )  
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 (62) 2017286560  
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 (74) Griffith Hack

(71) The Raymond Corporation

(11) AU-A-2022279552  
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 (54) MATERIAL HANDLING VEHICLE GUIDANCE SYSTEMS AND METHODS

(51) Int. Cl.  
 G05D 1/02 ( 2020.01 )  
 B66B 1/28 ( 2006.01 )  
 B66B 1/34 ( 2006.01 )  
 B66F 9/12 ( 2006.01 )  
 G01C 21/20 ( 2006.01 )



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**G06N 20/00** ( 2019.01 )  
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**(72)** Murli, Sathvik; D'Accolti, Anthony V.;  
 Sunny, Joel N.  
**(74)** RnB IP Pty Ltd

**(71)** The Yield Technology Solutions Pty Ltd  
**(11)** AU-A-2023203307  
**(21)** 2023203307 **(22)** 26.05.2023  
**(54)** Controlling Agricultural Production  
 Areas

**(51)** Int. Cl.  
**A01G 25/16** ( 2006.01 )  
**G05D 22/02** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2017354934  
**(72)** ALLEN, Simon; LOVE, Peter; ABRIE,  
 Nicolene; GRAHAM, Elizabeth  
**(74)** FB Rice Pty Ltd

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2022271470  
**(21)** 2022271470 **(22)** 18.11.2022  
**(54)** DEVICE, SYSTEM, AND METHOD  
 FOR MONITORING A DISTANCE  
 BETWEEN RAIL CARS DURING  
 COUPLING

**(51)** Int. Cl.  
**B61L 25/02** ( 2006.01 )  
**B61G 7/14** ( 2006.01 )  
**B61L 15/00** ( 2006.01 )  
**B61L 23/04** ( 2006.01 )  
**B61L 23/34** ( 2006.01 )  
**(31)** 17/544,316 **(32)** 07.12.21 **(33)** US  
**(43)** 22.06.2023  
**(72)** Gorman, Joseph W.; Claussen, Chris-  
 topher John; Kernwein, Jeffrey D.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2022275497  
**(21)** 2022275497 **(22)** 25.11.2022  
**(54)** MAINTENANCE CONTROL SYSTEM  
 AND METHOD

**(51)** Int. Cl.  
**G07C 5/08** ( 2006.01 )  
**B61L 27/00** ( 2022.01 )  
**G01M 17/00** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**G06F 16/93** ( 2019.01 )  
**G07C 5/00** ( 2006.01 )  
**(31)** 17/457,394 **(32)** 02.12.21 **(33)** US  
**(43)** 22.06.2023  
**(72)** Scholz, Bernhard Joseph; Roddy, Nich-  
 olas; Quigley, Jason; Kacyon, Jeffry  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Triage Technologies Inc.  
**(11)** AU-A-2023203298  
**(21)** 2023203298 **(22)** 26.05.2023  
**(54)** System to collect and identify skin con-  
 ditions from images and expert know-  
 ledge  
**(51)** Int. Cl.  
**A61B 10/00** ( 2006.01 )

**G06K 9/62** ( 2022.01 )  
**G16H 30/00** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
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**(62)** 2020349082  
**(72)** ABID, Abdellatif; SANFIZ, Albert Jime-  
 nez; ROMERO LOPEZ, Adria; JAR-  
 MAIN, Eric T.; AKROUT, Mohamed;  
 CHALLA, Anirudh; KAWAHARA,  
 Jeremy G.; SOLIS-REYES, Stephen A.  
**(74)** Spruson & Ferguson

**(71)** Vycellix, Inc.  
**(11)** AU-A-2023203314  
**(21)** 2023203314 **(22)** 26.05.2023  
**(54)** ENHANCED GENE DELIVERY TO  
 NATURAL KILLER CELLS, HEMA-  
 TOPOIETIC STEM CELLS AND MAC-  
 ROPHAGES  
**(51)** Int. Cl.  
**C07K 16/32** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/85** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**C12N 15/867** ( 2006.01 )

**(43)** 22.06.2023  
**(62)** 2016331082  
**(72)** Alici, Evren; Duru, Adil; Sutlu, Tolga  
**(74)** Franke Hyland Pty Ltd

**(71)** Worldpay Limited  
**(11)** AU-A-2023203280  
**(21)** 2023203280 **(22)** 25.05.2023  
**(54)** Wireless communication between elec-  
 tronic devices in close proximity  
**(51)** Int. Cl.  
**H04B 5/00** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2021240288  
**(72)** PICKERING, Daren; TELFORD-REED,  
 Nicholas  
**(74)** FB Rice Pty Ltd

**(71)** X Development LLC  
**(11)** AU-A-2022283648  
**(21)** 2022283648 **(22)** 06.12.2022  
**(54)** Hierarchical context in risk assessment  
 using machine learning  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G01C 21/04** ( 2006.01 )  
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**(31)** 63/265,051 **(32)** 07.12.21 **(33)** US  
**(43)** 22.06.2023  
**(72)** LI, Xin; GUPTA, Akshina; SINGARAJU,  
 Nishanth; COWAN, Eliot Julien  
**(74)** Spruson & Ferguson

**(71)** X Development LLC  
**(11)** AU-A-2022283650  
**(21)** 2022283650 **(22)** 06.12.2022

**(54)** Training machine learning models to  
 predict fire behavior  
**(51)** Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**G06N 3/02** ( 2006.01 )  
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**(31)** 63/265,038 **(32)** 07.12.21 **(33)** US  
**(43)** 22.06.2023  
**(72)** GUPTA, Akshina; COWAN, Eliot Julien  
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**(54)** Training machine learning models  
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**(51)** Int. Cl.  
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**(71)** Xylonix PTE. LTD.  
**(11)** AU-A-2023203216  
**(21)** 2023203216 **(22)** 23.05.2023  
**(54)** GAMMA-POLYGLUTAMIC ACID AND  
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**(51)** Int. Cl.  
**A61K 33/30** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 31/315** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 3/02** ( 2006.01 )

**(43)** 22.06.2023  
**(62)** 2017354786  
**(72)** Chung, Jinhyuk Fred  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** Xylonix PTE. LTD.  
**(11)** AU-A-2023203220  
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**(51)** Int. Cl.  
**A61K 33/30** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )  
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**A61P 35/00** ( 2006.01 )  
**(43)** 22.06.2023  
**(62)** 2017354787  
**(72)** Chung, Jinhyuk Fred  
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| <b><u>G01F 11 /-</u></b><br>2022283691   | <b><u>G06F 21 /-</u></b><br>2022283705   | <b><u>H01M 10 /-</u></b><br>2022279470<br>2022283630               |  |
| <b><u>G01F 23 /-</u></b><br>2023203071   | <b><u>G06F 3 /-</u></b><br>2021273643<br>2021282391<br>2022271464<br>2022275402  | <b><u>H01M 50 /-</u></b><br>2022283630<br>2022283632               |  |
| <b><u>G01L 3 /-</u></b><br>2022279470  | <b><u>G06K 13 /-</u></b><br>2022279547   | <b><u>H01R 31 /-</u></b><br>2022279547                             |  |
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| <b><u>G01N 1 /-</u></b><br>2022271464  | <b><u>G06K 9 /-</u></b><br>2023203298  | <b><u>H02J 3 /-</u></b><br>2022353321                              |  |
| <b><u>G01N 21 /-</u></b><br>2022283691   | <b><u>G06N 20 /-</u></b><br>2022279552<br>2022283648<br>2022283650<br>2022283684 | <b><u>H02J 7 /-</u></b><br>2022283630                              |  |
| <b><u>G01N 27 /-</u></b><br>2023203347   | <b><u>G06N 3 /-</u></b><br>2022283648<br>2022283650<br>2022283684                | <b><u>H02K 5 /-</u></b><br>2022283630                              |  |
| <b><u>G01N 29 /-</u></b><br>2022279493   | <b><u>G06Q 10 /-</u></b><br>2022283705<br>2023203316                             | <b><u>H03M 7 /-</u></b><br>2022201512                              |  |
| <b><u>G01N 33 /-</u></b><br>2022256101<br>2022283691<br>2023203322<br>2023203347 |  | <b><u>H04B 5 /-</u></b><br>2023203280                              |  |
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- . (\*) Title not in Roman characters
  - . (\*\*) Title not given
- (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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(71) Janssen Biotech, Inc.  
**(11)** AU-A-2023100041  
**(21)** 2023100041      **(22)** 18.05.2023  
**(54)** Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody  
**(51)** Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61K 47/14* ( 2017.01 )  
*A61K 47/18* ( 2017.01 )  
*A61K 47/26* ( 2006.01 )  
*A61P 1/04* ( 2006.01 )  
**(45)** 22.06.2023  
**(62)** 2023201217  
**(72)** JOHANNNS, Jewel; LI, Katherine; MARANO, Colleen; STRAUSS, Richard; ZHANG, Hongyan; ADEDOKUN, Omoniyi; O'BRIEN, Christopher; SHIELDS-TUTTLE, Kimberly  
**(74)** Davies Collison Cave Pty Ltd

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(71) Janssen Biotech, Inc.  
**(11)** AU-A-2023100042  
**(21)** 2023100042      **(22)** 18.05.2023  
**(54)** Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody  
**(51)** Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61K 47/14* ( 2017.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(71)** THREADLEGS PTY LTD  
**(11)** AU-A-2023100047  
**(21)** 2023100047      **(22)** 30.05.2023  
**(54)** Attachment for positioning cast-in concrete anchors  
**(51)** Int. Cl.  
*E04B 1/41* ( 2006.01 )  
*E04C 5/20* ( 2006.01 )  
*E04G 21/18* ( 2006.01 )  
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**(72)** Jurey, Hayden  
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(71) Lyapukhov, N.E.  
**(11)** AU-A-2019101845  
**(21)** 2019101845      **(22)** 24.12.2019  
**(54)** Device for registering and storing data about the birth and life-time events of a user  
**(51)** Int. Cl.  
*G06Q 50/00* ( 2012.01 )  
**(31)** 2018147527      **(32)** 29.12.18 **(33)** RU  
**(45)** 22.06.2023  
**(72)** LYAPUKHOV, Nikolai Evgenevich  
**(74)** Remarkable IP

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**2023100042** Janssen Biotech, Inc.  
**2023100047** THREADLEGS PTY LTD

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| <p>(71) 2692372 ONTARIO, INC.; DUNAD THERAPEUTICS LTD.<br/>                     (11) AU-A-2021382360<br/>                     (21) 2021382360 (22) 18.11.2021<br/>                     (54) BENZENESULFONAMIDE DERIVATIVES AND USES THEREOF<br/>                     (51) Int. Cl.<br/> <i>C07D 239/48</i> ( 2006.01 )<br/> <i>A61K 31/506</i> ( 2006.01 )<br/> <i>A61K 31/519</i> ( 2006.01 )<br/> <i>A61P 35/00</i> ( 2006.01 )<br/> <i>C07C 307/10</i> ( 2006.01 )<br/> <i>C07D 403/12</i> ( 2006.01 )</p>   | <p>(71) 3M INNOVATIVE PROPERTIES COMPANY<br/>                     (11) AU-A-2021379311<br/>                     (21) 2021379311 (22) 10.11.2021<br/>                     (54) METHOD AND APPARATUS FOR MAINTAINING AIRFLOW IN A POWERED AIR PURIFYING RESPIRATOR<br/>                     (51) Int. Cl.<br/> <i>A62B 18/00</i> ( 2006.01 )<br/>                     (87) WO2022/101807<br/>                     (31) 63/198,832 (32) 16.11.20 (33) US<br/>                     (43) 19.05.2022<br/>                     (72) JENSEN, Douglas D.; KREPEL, Kenneth J.; POCH, James F.; BISSEN, Dale M.; PARHAM, Michael L.; MARTINSON, Paul A.<br/>                     (74) FPA Patent Attorneys Pty Ltd</p>  | <p>(71) A&amp;J SCIENCE CO.,LTD.<br/>                     (11) AU-A-2021384582<br/>                     (21) 2021384582 (22) 18.11.2021<br/>                     (54) NOVEL COMPOUND, PREPARATION METHOD THEREOF, AND ANTIBIOTIC COMPOSITION COMPRISING SAME<br/>                     (51) Int. Cl.<br/> <i>C07D 513/22</i> ( 2006.01 )<br/> <i>A61K 31/4353</i> ( 2006.01 )<br/> <i>A61K 31/496</i> ( 2006.01 )<br/> <i>A61K 31/5377</i> ( 2006.01 )<br/> <i>A61P 31/04</i> ( 2006.01 )<br/> <i>C07F 5/02</i> ( 2006.01 )<br/>                     (87) WO2022/108354<br/>                     (31) 10-2020-0155605 (32) 19.11.20 (33) KR<br/>                     10-2021-0158467 17.11.21 KR<br/>                     (43) 27.05.2022<br/>                     (72) HWANG, Hee-Jong; SON, Young-Jin; KIM, Dahyun; LEE, Jusuk; CIUFOLINI, Marco<br/>                     (74) PHILLIPS ORMONDE FITZPATRICK</p> |
| <p>(71) 4D LIFETEC AG<br/>                     (11) AU-A-2021363573<br/>                     (21) 2021363573 (22) 19.10.2021<br/>                     (54) DNA DAMAGE SENSITIVITY AS A NEW BIOMARKER FOR DETECTION OF CANCER AND CANCER SUSCEPTIBILITY<br/>                     (51) Int. Cl.<br/> <i>G01N 33/574</i> ( 2006.01 )<br/> <i>G01N 27/00</i> ( 2006.01 )</p>  | <p>(71) ABBOTT DIABETES CARE INC.<br/>                     (11) AU-A-2021395004<br/>                     (21) 2021395004 (22) 10.12.2021<br/>                     (54) ANALYTE SENSORS FOR SENSING KETONES AND METHODS OF USING THE SAME<br/>                     (51) Int. Cl.<br/> <i>A61B 5/145</i> ( 2006.01 )<br/> <i>A61B 5/1486</i> ( 2006.01 )<br/>                     (87) WO2022/125998<br/>                     (31) 63/123,897 (32) 10.12.20 (33) US<br/>                     63/135,373 08.01.21 US</p>  |  |

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 (72) LIU, Zenghe; OJA, Stephen; OUYANG, Tianmei; FELDMAN, Benjamin, J.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ABBOTT DIABETES CARE INC.  
 (11) AU-A-2021400588  
 (21) 2021400588 (22) 15.12.2021  
 (54) NAD(P) DEPOT FOR NAD(P)-DEPENDENT ENZYME-BASED SENSORS  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
 A61B 5/1486 ( 2006.01 )  
 C12Q 1/00 ( 2006.01 )  
 G01N 27/327 ( 2006.01 )  
 G01N 33/49 ( 2006.01 )  
 (87) WO2022/132963  
 (31) 63/125,846 (32) 15.12.20 (33) US  
 (43) 23.06.2022  
 (72) OUYANG, Tianmei; FOX, Cade; LIU, Zenghe; OJA, Stephen; FELDMAN, Benjamin, J.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) ABBOTT DIABETES CARE INC.  
 (11) AU-A-2021401430  
 (21) 2021401430 (22) 17.12.2021  
 (54) SYSTEMS AND METHODS FOR ANALYTE DETECTION  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
 A61B 5/00 ( 2006.01 )  
 A61B 5/01 ( 2006.01 )  
 A61B 5/1486 ( 2006.01 )  
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 (31) 63/127,804 (32) 18.12.20 (33) US  
 (43) 23.06.2022  
 (72) FELDMAN, Benjamin, J.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ABBOTT DIABETES CARE INC.  
 (11) AU-A-2021415463  
 (21) 2021415463 (22) 16.09.2021  
 (54) SYSTEMS, DEVICES, AND METHODS FOR ANALYTE MONITORING  
 (51) Int. Cl.  
 A61B 5/145 ( 2006.01 )  
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 (43) 07.07.2022  
 (72) RAO, Vivek S.; SIMMONS, Matthew; PACE, Louis G.; COLE, Jean-Pierre; ROBINSON, Peter G.; VOIT, Peter; MITCHELL, Steven T.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) ABBOTT DIABETES CARE INC.  
 (11) AU-A-2022205038  
 (21) 2022205038 (22) 03.01.2022  
 (54) ANALYTE SENSORS AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
 C12Q 1/00 ( 2006.01 )  
 (87) WO2022/147506  
 (31) 63/132,936 (32) 31.12.20 (33) US  
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- (43) 07.07.2022  
 (72) LIU, Zenghe; FELDMAN, Benjamin, J.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ABEC, INC.  
 (11) AU-A-2021381439  
 (21) 2021381439 (22) 22.11.2021  
 (54) FILTRATION SYSTEMS, COMPONENTS AND METHODS  
 (51) Int. Cl.  
 B01D 61/14 ( 2006.01 )  
 B01D 63/08 ( 2006.01 )  
 C12M 3/06 ( 2006.01 )  
 (87) WO2022/109371  
 (31) 63/117,365 (32) 23.11.20 (33) US  
 (43) 27.05.2022  
 (72) KLOPP, Chris; MITCHELL, Colton; WAIT, Evan  
 (74) Dark IP
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- (71) ABX ADVANCED BIOCHEMICAL COMPOUNDS - BIOMEDIZINISCHE FORSCHUNGSREAGENZIE GMBH  
 (11) AU-A-2021391715  
 (21) 2021391715 (22) 30.11.2021  
 (54) IODOTYROSINE DERIVATIVES AND PROCESS FOR PREPARING IODOTYROSINE DERIVATIVES  
 (51) Int. Cl.  
 C07C 271/22 ( 2006.01 )  
 C07F 7/08 ( 2006.01 )  
 C07K 1/06 ( 2006.01 )  
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 (43) 09.06.2022  
 (72) HOEPPING, Alexander; MEYER, Christoph; JOSEPH, Desna; KÖSTER, Stefan David; EISELT, Erik  
 (74) Adams Pluck
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 (11) AU-A-2021374230  
 (21) 2021374230 (22) 04.11.2021  
 (54) FORECASTING SYSTEM  
 (51) Int. Cl.  
 G06Q 10/04 ( 2023.01 )  
 G06Q 40/00 ( 2023.01 )  
 (87) WO2022/094658  
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 (43) 12.05.2022  
 (72) COOK, Geoffrey Osmond; VAN DOORE, Laura Emily Rose; WALKER, Gregory Matthew  
 (74) Davies Collison Cave Pty Ltd
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- (71) ACLARIS THERAPEUTICS, INC.  
 (11) AU-A-2021381491  
 (21) 2021381491 (22) 23.11.2021  
 (54) METHODS OF SYNTHESIZING SUBSTITUTED PYRIDINONE-PYRIDINYL COMPOUNDS  
 (51) Int. Cl.  
 A61K 31/506 ( 2006.01 )  
 A61K 9/00 ( 2006.01 )
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 (72) DECRESCENZO, Gary A.; SPRINGER, John Robert  
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 (21) 2021380914 (22) 18.11.2021  
 (54) NON-AQUEOUS GEL COMPOSITION  
 (51) Int. Cl.  
 A61K 9/00 ( 2006.01 )  
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 A61K 31/165 ( 2006.01 )  
 A61K 45/06 ( 2006.01 )  
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 (74) Griffith Hack
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 (51) Int. Cl.  
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 (74) FB Rice Pty Ltd
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 (11) AU-A-2021380040  
 (21) 2021380040 (22) 16.11.2021  
 (54) IMPROVED BOLT TENSIONER  
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 B25B 29/02 ( 2006.01 )  
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 (72) JARVIS, Philip  
 (74) Griffith Hack
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 (11) AU-A-2021381057  
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 (54) TAU-FLUVALINATE COMPOSITIONS  
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 A01N 37/44 ( 2006.01 )  
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**A01P 7/04** ( 2006.01 )  
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**(43)** 27.05.2022  
**(72)** HEVRONI, Liron; MEIRON, Oren; SILBERT, Gilad  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ADERANS COMPANY LIMITED  
**(11)** AU-A-2022229435  
**(21)** 2022229435 **(22)** 28.02.2022  
**(54)** FIBER FOR ARTIFICIAL HAIR, AND WIG  
**(51)** Int. Cl.  
**D01F 8/12** ( 2006.01 )  
**A41G 3/00** ( 2006.01 )  
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**(72)** SATO, Shunsuke; MATSUMOTO, Shiho; SUGAWARA, Fumitaka  
**(74)** Spruson & Ferguson
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- (71)** ADS THERAPEUTICS LLC  
**(11)** AU-A-2021376131  
**(21)** 2021376131 **(22)** 03.11.2021  
**(54)** OCULAR ANTIBODY-DRUG CONJUGATES  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 9/08** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
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**(43)** 12.05.2022  
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- (71)** ADVANCED DRAINAGE SYSTEMS, INC.  
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**(21)** 2021387675 **(22)** 12.11.2021  
**(54)** SYSTEM FOR REMOVING PARTICULATES FROM LIQUID  
**(51)** Int. Cl.  
**E03F 5/14** ( 2006.01 )  
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**(43)** 02.06.2022  
**(72)** HARTWELL, Erik Karl; LIU, Bo; FIGOLA, Daniel John  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ADVANCED STERILIZATION PRODUCTS, INC.  
**(11)** AU-A-2021376932  
**(21)** 2021376932 **(22)** 04.11.2021  
**(54)** AMPOULE BREAKER FOR A BIOLOGICAL INDICATOR  
**(51)** Int. Cl.  
**A61L 2/28** ( 2006.01 )  
**B67B 7/92** ( 2006.01 )
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**(74)** Denemeyer & Associates
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**(21)** 2021380099 **(22)** 09.11.2021  
**(54)** LEAKAGE TEST CONNECTOR  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
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**(74)** Denemeyer & Associates
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**(54)** BIOLOGICAL INDICATOR READER SYSTEM  
**(51)** Int. Cl.  
**G01N 35/00** ( 2006.01 )  
**B01L 7/00** ( 2006.01 )  
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**(43)** 27.05.2022  
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**(74)** Denemeyer & Associates
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**(21)** 2021363759 **(22)** 21.10.2021  
**(54)** COMPOSITION OF AN INSULATION MATERIAL AND A SOLID INSULATION MATERIAL IN ITSELF  
**(51)** Int. Cl.  
**C04B 28/02** ( 2006.01 )  
**C04B 20/00** ( 2006.01 )  
**C04B 38/10** ( 2006.01 )  
**C04B 111/28** ( 2006.01 )  
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**(43)** 28.04.2022  
**(72)** CHARTOUNI, Sam  
**(74)** Adams Pluck
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**(51)** Int. Cl.  
**A61B 17/15** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2021405360  
**(21)** 2021405360 **(22)** 21.12.2021  
**(54)** NEW POLYPEPTIDE  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** AFL TELECOMMUNICATIONS LLC  
**(11)** AU-A-2021364832  
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**(54)** CABLE MOUNTING CLAMPS  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**H02G 3/32** ( 2006.01 )  
**H02G 3/34** ( 2006.01 )  
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**(51)** Int. Cl.  
**B63C 9/15** ( 2006.01 )  
**A41F 9/00** ( 2006.01 )  
**B63C 9/08** ( 2006.01 )  
**(87)** WO2021/081599  
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**(72)** CAM, Stephen Edmund  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** AGNIKUL COSMOS PRIVATE LIMITED  
**(11)** AU-A-2021363805  
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**(54)** DESIGN AND MANUFACTURING OF A SINGLE PIECE ROCKET ENGINE  
**(51)** Int. Cl.  
**B33Y 50/00** ( 2015.01 )  
**B22F 10/20** ( 2021.01 )  
**F02K 9/64** ( 2006.01 )  
**G06F 30/15** ( 2020.01 )  
**G06F 113/10** ( 2020.01 )  
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(54) NON-INVASIVE METHOD OF DETERMINING PROPERTIES OF A CHICKEN EGG AND/OR PROPERTIES OF A CHICKEN EMBRYO INSIDE THE EGG USING NEAR IR SPECTROSCOPY, RESPECTIVE SYSTEM AND USES THEREOF  
(51) Int. Cl.  
G01N 21/59 (2006.01)  
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G01N 33/08 (2006.01)  
A01K 43/00 (2006.01)  
G01N 21/01 (2006.01)  
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(72) HURLIN, Jörg  
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G16B 20/40 (2019.01)  
A01H 1/04 (2006.01)  
G16B 40/20 (2019.01)  
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A01N 63/20 (2020.01)  
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A61M 16/00 (2006.01)  
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A47G 19/22 (2006.01)  
A45F 3/16 (2006.01)  
A45F 3/20 (2006.01)  
A47G 21/18 (2006.01)  
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A61K 31/519 (2006.01)  
A61K 31/277 (2006.01)  
A61K 31/4422 (2006.01)  
A61K 31/4985 (2006.01)  
A61K 45/06 (2006.01)  
A61P 37/00 (2006.01)  
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(72) STERNLICHT, Andrew  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2021363350  
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(54) ANTI-CD73 ANTIBODY AND USE THEREOF  
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C07K 16/28 (2006.01)  
C12N 15/13 (2006.01)  
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(54) ANTI-VEGF ANTIBODY CONSTRUCTS AND RELATED METHODS FOR TREATING VESTIBULAR SCHWANNOMA ASSOCIATED SYMPTOMS  
(51) Int. Cl.  
A61P 27/16 (2006.01)  
A61K 9/00 (2006.01)  
A61K 9/08 (2006.01)  
A61K 9/19 (2006.01)  
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A61K 48/00 (2006.01)  
C07K 16/22 (2006.01)  
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(51) Int. Cl.  
F02D 9/04 (2006.01)  
F02D 9/10 (2006.01)  
F02M 26/54 (2016.01)
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(51) Int. Cl.  
A61K 31/7088 (2006.01)  
A61K 31/7105 (2006.01)  
A61K 31/713 (2006.01)  
A61K 47/08 (2006.01)  
C07C 327/06 (2006.01)  
C07C 327/22 (2006.01)  
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VEBER, Boštjan  
**(74)** Cooper IP Pty Ltd
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**(11)** AU-A-2021390172  
**(21)** 2021390172 **(22)** 03.12.2021  
**(54)** BENZOTHIA(DI)AZEPINE COM-  
POUNDS AND THEIR USE AS BILE  
ACID MODULATORS  
**(51)** Int. Cl.  
**A61P 5/00** ( 2006.01 )  
**A61K 31/554** ( 2006.01 )  
**C07D 281/10** ( 2006.01 )  
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**(21)** 2021399228 **(22)** 14.10.2021  
**(54)** MULTI-DETECTOR ANALYSIS OF  
THE TEAR FILM OF AN EYE  
**(51)** Int. Cl.  
**A61B 3/10** ( 2006.01 )  
**A61B 3/18** ( 2006.01 )  
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Martin; NEKRASSOV, Daniil; PETTIT,  
George Hunter; ZIEGER, Peter  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALCON INC.  
**(11)** AU-A-2021400130  
**(21)** 2021400130 **(22)** 09.12.2021  
**(54)** SYSTEMS AND METHODS FOR CRE-  
ATING A LENTICULE FOR PRESBY-  
OPIA  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
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Johannes; WATANABE, Keith  
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**(11)** AU-A-2021402258  
**(21)** 2021402258 **(22)** 07.12.2021  
**(54)** OPHTHALMIC PROBE ASSEMBLY  
WITH FLAT WALL TUBE  
**(51)** Int. Cl.  
**A61F 9/007** ( 2006.01 )  
**A61B 18/22** ( 2006.01 )
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Timothy C.; AGARKAR, Manish Malhar;  
FARLEY, Mark Harrison  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2021403807  
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**(54)** A RETRACTABLE BACKFLUSH IN-  
STRUMENT  
**(51)** Int. Cl.  
**A61F 9/007** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
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GENTHALER, Christoph  
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**(11)** AU-A-2021404024  
**(21)** 2021404024 **(22)** 10.12.2021  
**(54)** INTRAOCULAR LENS WITH ROTA-  
TIONAL RESISTANCE AND NEGAT-  
IVE DYSPHOTOPSIA MITIGATION  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
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**(72)** DAS, Kamal K.; SCOTT, James M.  
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**(11)** AU-A-2021404039  
**(21)** 2021404039 **(22)** 14.12.2021  
**(54)** AUTOMATIC INFUSION VALVE  
**(51)** Int. Cl.  
**A61M 1/00** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
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**(11)** AU-A-2021416740  
**(21)** 2021416740 **(22)** 15.12.2021  
**(54)** REAL-TIME DETECTION OF ARTI-  
FACTS IN OPHTHALMIC IMAGES  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
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**(72)** SARVER, Edwin Jay; HALL, Max  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(54)** SYSTEMS AND METHODS FOR VIS-  
COELASTIC DELIVERY  
**(51)** Int. Cl.  
**A61F 9/007** ( 2006.01 )  
**A61F 2/14** ( 2006.01 )  
**A61F 9/00** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
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HYMAN, Daniel  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(21)** 2022207750 **(22)** 13.01.2022  
**(54)** MAGNETICALLY COUPLED POWER  
DELIVERY FOR SURGICAL IM-  
PLANTS  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
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Todd; BRIANT, John; CORTHORN,  
Grant; MAY, Rob; ORRELL, Martin;  
PENHALLURICK, Trevor; POOLEY,  
David; WYMAN, Catherine; CON-  
STABLE, Charlie  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALIGOS THERAPEUTICS, INC.  
**(11)** AU-A-2021387908  
**(21)** 2021387908 **(22)** 22.11.2021  
**(54)** TRICYCLIC COMPOUNDS  
**(51)** Int. Cl.  
**C07D 471/14** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**C07F 9/6561** ( 2006.01 )  
**(87)** WO2022/115384  
**(31)** 63/117,935 **(32)** 24.11.20 **(33)** US  
63/261,713 27.09.21 US  
**(43)** 02.06.2022  
**(72)** VENDEVILLE, Sandrine; DEBING, Yan-  
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Bernard  
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- (71)** ALLEN INSTITUTE  
**(11)** AU-A-2021378285  
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**(54)** ARTIFICIAL EXPRESSION CON-  
STRUCTS FOR MODULATING GENE  
EXPRESSION IN CHANDELIER  
CELLS  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )

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 (54) METHODS AND REAGENTS FOR CHARACTERIZING CAR T CELLS FOR THERAPIES  
 (51) Int. Cl.  
 C12N 5/0783 ( 2010.01 )  
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 G01N 33/577 ( 2006.01 )  
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 (51) Int. Cl.  
 C07K 14/705 ( 2006.01 )  
 A61K 35/17 ( 2015.01 )  
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 A61M 37/00 ( 2006.01 )  
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 G06V 10/10 (2022.01)  
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**A61M 39/24** ( 2006.01 )  
**B05B 11/04** ( 2006.01 )  
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WITH SUSPENDED SORBENT DISKS  
(51) Int. Cl.  
B01D 53/04 ( 2006.01 )  
B01D 53/02 ( 2006.01 )  
B01D 53/06 ( 2006.01 )  
B01D 53/14 ( 2006.01 )  
B01D 53/18 ( 2006.01 )  
B01D 53/62 ( 2006.01 )  
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(31) 63/119,306 (32) 30.11.20 (33) US  
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ARIZONA; PROCYON TECHNOLO-  
GIES LLC  
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(21) 2021372247 (22) 01.11.2021  
(54) METHODS AND SYSTEMS FOR EN-  
CAPSULATION DEVICES FOR HOUS-  
ING CELLS AND AGENTS  
(51) Int. Cl.  
A61F 2/02 ( 2006.01 )  
A61M 5/14 ( 2006.01 )  
A61M 31/00 ( 2006.01 )  
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(72) PAPAS, Klearchos  
(74) Madderns Pty Ltd
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- (71) ARKEMA FRANCE  
(11) AU-A-2021400427  
(21) 2021400427 (22) 13.12.2021  
(54) A WATER-BASED HUMIDITY RES-  
ISTANT ADHESIVE COMPOSITION,  
PROCESS FOR PREPARING AND  
USING THE SAME  
(51) Int. Cl.  
C09J 107/02 ( 2006.01 )  
C08L 21/02 ( 2006.01 )  
C09J 109/08 ( 2006.01 )  
(87) WO2022/132611  
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(72) XIA, Jiqiang; JOHNSON, Randy Allen  
(74) Dark IP
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(54) A TWO-COMPONENT POLYURETH-  
ANE COMPOSITION, PROCESS  
FOR PREPARING THE SAME AND A  
METHOD OF USE THEREOF  
(51) Int. Cl.  
B32B 7/12 ( 2006.01 )  
C08G 18/22 ( 2006.01 )  
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(54) DEVICE AND METHOD FOR PASS-  
IVE CARBON DIOXIDE COLLECTION  
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(51) Int. Cl.  
B01D 53/04 ( 2006.01 )  
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B01D 53/06 ( 2006.01 )  
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(72) LACKNER, Klaus; PAGE, Robert  
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H04L 47/10 ( 2022.01 )  
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(54) PARTIAL VIDEO ASYNC SUPPORT  
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H04N 21/242 ( 2011.01 )  
H04J 3/06 ( 2006.01 )  
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A61K 35/12 ( 2015.01 )  
A61K 35/17 ( 2015.01 )  
C12N 5/10 ( 2006.01 )  
C12N 9/22 ( 2006.01 )  
C12N 15/11 ( 2006.01 )  
C12N 15/63 ( 2006.01 )  
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KHARE, Somya; COOPER, Aaron;  
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(21) 2021396585 (22) 07.12.2021  
(54) PHARMACEUTICAL COMPOSITIONS  
COMPRIING CANNABINOID AGON-  
IST  
(51) Int. Cl.

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**(72)** YATES, Andrew; DICKINSON, Paul; WARD, Robert  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2021401580  
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**(54)** METHODS OF TREATING BREAST CANCER WITH TETRAHYDRONAPHTHALENE DERIVATIVES AS ESTROGEN RECEPTOR DEGRADERS  
**(51)** Int. Cl.  
**A61K 31/4545** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(54)** CITRUS-FLAVORED ALCOHOLIC BEVERAGE  
**(51)** Int. Cl.  
**C12G 3/00** ( 2019.01 )  
**C12G 3/04** ( 2019.01 )  
**(87)** WO2022/130693  
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**(43)** 23.06.2022  
**(72)** SASAKI, Mayu  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2021392478  
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**(54)** POROUS HOLLOW-FIBER MEMBRANE AND METHOD FOR TESTING INTEGRITY  
**(51)** Int. Cl.  
**B01D 71/10** ( 2006.01 )  
**B01D 63/02** ( 2006.01 )  
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**B01D 69/02** ( 2006.01 )  
**B01D 69/08** ( 2006.01 )  
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**D01F 2/04** ( 2006.01 )  
**G01M 3/26** ( 2006.01 )  
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**(54)** MEDICINE FOR ALLEVIATING NEUROPATHIC PAIN  
**(51)** Int. Cl.  
**A61K 45/00** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 25/02** ( 2006.01 )  
**A61P 29/02** ( 2006.01 )  
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**C12N 15/12** ( 2006.01 )  
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**(72)** IMAI, Yosuke; YAMAMOTO, Hikaru  
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**(54)** MEDICAL DEVICE REPROCESSOR WITH MULTI-SOURCE DISPENSER  
**(51)** Int. Cl.  
**A61B 1/12** ( 2006.01 )  
**(87)** WO2022/101677  
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**(43)** 19.05.2022  
**(72)** YANG, Sungwook  
**(74)** Dennemeyer & Associates
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**(54)** ENABLING TRAINING OF A MACHINE-LEARNING MODEL FOR TRIGGER-WORD DETECTION  
**(51)** Int. Cl.  
**G10L 15/06** ( 2013.01 )  
**G10L 15/08** ( 2006.01 )  
**G10L 15/18** ( 2013.01 )  
**G10L 15/30** ( 2013.01 )  
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**(72)** TANZI, Tanzania Haque  
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**(11)** AU-A-2021387793  
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**(54)** CONFIGURING ACCESS RIGHTS FOR AN ELECTRONIC KEY  
**(51)** Int. Cl.  
**G07C 9/00** ( 2020.01 )  
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**(72)** NORDBECK, Per  
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- (71)** ASTA ENERGY TRANSMISSION COMPONENTS GMBH  
**(11)** AU-A-2021394066  
**(21)** 2021394066 **(22)** 10.12.2021  
**(54)** PHOTONIC LACQUERING OF WIRES  
**(51)** Int. Cl.  
**C09D 5/00** ( 2006.01 )  
**B05D 7/20** ( 2006.01 )  
**C09D 7/63** ( 2018.01 )  
**C09D 129/14** ( 2006.01 )  
**C08K 5/29** ( 2006.01 )  
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**(72)** CIRAK, Suljo; STREHMEL, Bernd; DRIESEN, Sascha  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ASTELLAS PHARMA INC.; NATIONAL CANCER CENTER  
**(11)** AU-A-2021378575  
**(21)** 2021378575 **(22)** 15.11.2021  
**(54)** ANTI-TSPAN8-ANTI-CD3 BISPECIFIC ANTIBODY AND ANTI-TSPAN8 ANTIBODY  
**(51)** Int. Cl.  
**C12N 15/13** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 1/15** ( 2006.01 )  
**C12N 1/19** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**(54)** METHODS AND COMPOSITIONS FOR TREATMENT OF RENAL INJURY AND RENAL FAILURE  
**(51)** Int. Cl.  
**A61K 35/14** ( 2015.01 )  
**G01N 33/48** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
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*B02C 2/04* ( 2006.01 )  
*E02F 7/06* ( 2006.01 )  
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 (72) HUMPHREYS, Nick; OUGHTON, William  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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 (54) METHODS OF USING SELECTIVE DELIVERY MOLECULES  
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 (72) GONZALEZ, Jesus E.; CHEN, Steven; HAROOTUNIAN, Alec; POONKA, Philip  
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 (54) METHODS AND COMPOSITIONS FOR TREATING VIRAL INFECTION  
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*A61K 39/12* ( 2006.01 )  
*A61K 38/40* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
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 (54) METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR PHARMACY SUBSTITUTIONS

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*G06Q 10/10* ( 2023.01 )  
*G06Q 30/04* ( 2012.01 )  
*G06Q 30/06* ( 2023.01 )  
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 (72) MOLITOR, Eric, Brannon; LIGHT, Thomas, William; O'BRIEN, Sean, Charles  
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 (54) RETRACTABLE CONTROL FINS FOR UNDERWATER VEHICLES  
 (51) Int. Cl.  
*F42B 10/14* ( 2006.01 )  
*F42B 10/00* ( 2006.01 )  
*F42B 10/02* ( 2006.01 )  
*F42B 10/12* ( 2006.01 )  
*F42B 10/16* ( 2006.01 )  
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 (54) COUNTERMEASURE DEVICE  
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 (72) BAKER, Scott  
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 (54) ESCAPEMENT SYSTEM FOR SHIFTING A MEMBER IN A DOWNHOLE TOOL  
 (51) Int. Cl.  
*E21B 34/08* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) HEAT REJECTION APPARATUS, PLUME ABATEMENT SYSTEM, AND METHOD  
 (51) Int. Cl.  
*F28C 1/16* ( 2006.01 )  
*B01D 1/16* ( 2006.01 )  
*F28C 1/14* ( 2006.01 )  
*F28C 3/06* ( 2006.01 )  
*F28D 15/02* ( 2006.01 )  
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 (74) Murray Trento & Associates Pty Ltd

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 (54) INDICATOR ASSEMBLY OF A SUPPORTING LEG DEVICE FOR A SAFETY SEAT AND SAFETY SEAT  
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 (72) ZHANG, Daliang; FANG, Ganqing  
 (74) Allens Patent & Trade Mark Attorneys

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 (54) CATHETER INSERTION SYSTEMS WITH PASSIVE SKIN DILATION  
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 A61M 25/02 ( 2006.01 )  
 A61B 17/34 ( 2006.01 )  
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 (51) Int. Cl.  
 A61M 25/06 ( 2006.01 )  
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 (72) MCKINNON, Austin, J.; HOWELL, Glade, H.  
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 (54) RAPIDLY INSERTABLE CENTRAL CATHETERS AND ASSEMBLIES  
 (51) Int. Cl.  
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 (72) HAYMOND, Bryan; HOWELL, Glade, H  
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 (54) METHODS AND KITS FOR DIAGNOSING AND TREATING CANCERS  
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 G01N 33/574 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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- (54) ELIMINATION OF RECYCLE COMPRESSOR IN DEHYDRATION AND CONTAMINANT REMOVAL SYSTEMS  
 (51) Int. Cl.  
 B01D 61/08 ( 2006.01 )  
 B01D 61/18 ( 2006.01 )  
 C02F 1/463 ( 2023.01 )  
 (87) WO2022/120228  
 (31) 63/121,522 (32) 04.12.20 (33) US  
 (43) 09.06.2022  
 (72) DOLAN, William B.  
 (74) Griffith Hack
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- (71) BASF SE  
 (11) AU-A-2021380951  
 (21) 2021380951 (22) 19.11.2021  
 (54) COMPUTER-IMPLEMENTED METHOD FOR SORTING OF PLASTIC COMPOUNDS  
 (51) Int. Cl.  
 B29B 17/02 ( 2006.01 )  
 B07C 5/34 ( 2006.01 )  
 G06Q 10/00 ( 2023.01 )  
 (87) WO2022/106625  
 (31) 20209008.0 (32) 20.11.20 (33) EP  
 20216014.9 21.12.20 EP  
 (43) 27.05.2022  
 (72) TUERKOGLU, Gazi; LEED, Marina Grace Dickens; KELLER, Wilhelm; SOLFRANK, Martina; KELLER, Robert Anthony; REICH, Oliver; LEINO CALLEJA, David; HOH, Li Noi Lilian; KUHN, Oliver; SATHYANARAYANA, Shyam Sundar; PAHNKE, Kai; ELTZE, Tobias; BEIL, Christian  
 (74) Griffith Hack
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- (71) BASF SE  
 (11) AU-A-2021382134  
 (21) 2021382134 (22) 19.11.2021  
 (54) COMPUTER-IMPLEMENTED METHOD FOR DETERMINING A SUSTAINABILITY SCORE  
 (51) Int. Cl.  
 G06Q 10/00 ( 2023.01 )  
 B29B 17/00 ( 2006.01 )  
 G06Q 10/08 ( 2023.01 )  
 (87) WO2022/106599  
 (31) 20209008.0 (32) 20.11.20 (33) EP  
 (43) 27.05.2022  
 (72) LEED, Marina Grace Dickens; TUERKOGLU, Gazi; KELLER, Wilhelm; SOLFRANK, Martina; KELLER, Robert Anthony; REICH, Oliver; LEINO CALLEJA, David; HOH, Li Noi Lilian; KUHN, Oliver; SATHYANARAYANA, Shyam Sundar; PAHNKE, Kai; ELTZE, Tobias; BEIL, Christian  
 (74) Griffith Hack
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- (71) BASF SE  
 (11) AU-A-2021384857  
 (21) 2021384857 (22) 19.11.2021  
 (54) PROCESS FOR THE REMOVAL OF FLUORIDE FROM ALKALINE HYDROXIDE SOLUTIONS  
 (51) Int. Cl.  
 C22B 1/02 ( 2006.01 )  
 C01D 15/02 ( 2006.01 )
- (71) BASF SE  
 (11) AU-A-2021386626  
 (21) 2021386626 (22) 24.11.2021  
 (54) HERBICIDAL MALONAMIDES  
 (51) Int. Cl.  
 C07C 233/63 ( 2006.01 )  
 A01N 37/22 ( 2006.01 )  
 (87) WO2022/112347  
 (31) 20209750.7 (32) 25.11.20 (33) EP  
 21194286.7 01.09.21 EP  
 (43) 02.06.2022  
 (72) ZIMMERMANN, Gunther; KORDES, Markus; SEISER, Tobias; HEINRICH, Marc; KRAEMER, Gerd; SEITZ, Thomas; NEWTON, Trevor William  
 (74) Griffith Hack
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- (71) BASF SE  
 (11) AU-A-2021387794  
 (21) 2021387794 (22) 24.11.2021  
 (54) HERBICIDAL MALONAMIDES  
 (51) Int. Cl.  
 C07D 207/16 ( 2006.01 )  
 A01N 43/08 ( 2006.01 )  
 A01N 43/16 ( 2006.01 )  
 A01N 43/20 ( 2006.01 )  
 A01N 43/28 ( 2006.01 )  
 A01N 43/36 ( 2006.01 )  
 C07D 305/06 ( 2006.01 )  
 C07D 307/16 ( 2006.01 )  
 C07D 307/28 ( 2006.01 )  
 C07D 309/28 ( 2006.01 )  
 C07D 317/32 ( 2006.01 )  
 C07D 327/04 ( 2006.01 )  
 C07D 493/18 ( 2006.01 )  
 (87) WO2022/112351  
 (31) 20209750.7 (32) 25.11.20 (33) EP  
 21194334.5 01.09.21 EP  
 (43) 02.06.2022  
 (72) ZIMMERMANN, Gunther; KORDES, Markus; SEISER, Tobias; HEINRICH, Marc; KRAEMER, Gerd; SEITZ, Thomas; NEWTON, Trevor William  
 (74) Griffith Hack
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- (71) BASF SE; ECOLAB USA INC  
 (11) AU-A-2021390779  
 (21) 2021390779 (22) 26.11.2021  
 (54) SCRUB-FREE CLEANING COMPOSITION  
 (51) Int. Cl.  
 C11D 11/00 ( 2006.01 )  
 C11D 1/12 ( 2006.01 )  
 C11D 1/14 ( 2006.01 )  
 C11D 1/29 ( 2006.01 )

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**C11D 1/72** ( 2006.01 )  
**C11D 1/722** ( 2006.01 )  
**C11D 1/825** ( 2006.01 )  
**C11D 1/83** ( 2006.01 )  
**C11D 17/00** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )  
**(87)** WO2022/117450  
**(31)** 63/121,277 **(32)** 04.12.20 **(33)** US  
**(43)** 09.06.2022  
**(72)** DAILEY, James S.; GESSNER, Thomas B.; JAMIESON, Mitchell; FIN-ISON, Jeremy  
**(74)** Griffith Hack

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**(71)** BÄUMER, S.; BÄUMER, N.; BERDEL, W.; LENZ, G.; WITTMANN, L.

**(11)** AU-A-2021392981  
**(21)** 2021392981 **(22)** 02.12.2021  
**(54)** ELECTROSTATIC NANOPARTICLES AND USE THEREOF

**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**C12N 15/00** ( 2006.01 )

**(87)** WO2022/117731  
**(31)** LU102272 **(32)** 02.12.20 **(33)** LU  
 21175260.5 21.05.21 EP  
 21205482.9 29.10.21 EP

**(43)** 09.06.2022  
**(72)** BÄUMER, Sebastian; BÄUMER, Nicole; BERDEL, Wolfgang; LENZ, Georg; WITTMANN, Lisa; FAUST, Andreas  
**(74)** WRAYS PTY LTD

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**(71)** BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA

**(11)** AU-A-2021412877  
**(21)** 2021412877 **(22)** 21.12.2021  
**(54)** METHOD AND SYSTEM FOR PRODUCING STERILE SOLUTION FILLED CONTAINERS

**(51)** Int. Cl.  
**B65B 3/00** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**B65B 3/04** ( 2006.01 )  
**B65B 3/12** ( 2006.01 )  
**B65B 39/00** ( 2006.01 )  
**B65B 51/14** ( 2006.01 )  
**B65B 51/22** ( 2006.01 )  
**B65B 55/12** ( 2006.01 )  
**B65B 57/04** ( 2006.01 )  
**B65B 61/06** ( 2006.01 )  
**B65B 65/00** ( 2006.01 )  
**G01N 1/14** ( 2006.01 )

**(87)** WO2022/146758  
**(31)** 63/130,979 **(32)** 28.12.20 **(33)** US  
**(43)** 07.07.2022  
**(72)** MALHOTRA, Atul; DI STEFANI, Gianni  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

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**(71)** BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA

**(11)** AU-A-2021412880  
**(21)** 2021412880 **(22)** 21.12.2021

**(54)** METHOD AND SYSTEM FOR PRODUCING STERILE SOLUTION FILLED CONTAINERS

**(51)** Int. Cl.  
**B65B 3/00** ( 2006.01 )  
**A61J 1/10** ( 2006.01 )  
**A61J 1/14** ( 2023.01 )  
**A61M 1/02** ( 2006.01 )  
**B65B 3/04** ( 2006.01 )  
**B65B 3/12** ( 2006.01 )  
**B65B 51/14** ( 2006.01 )  
**B65B 55/02** ( 2006.01 )  
**B65B 55/12** ( 2006.01 )  
**B65B 65/00** ( 2006.01 )  
**C12M 1/32** ( 2006.01 )  
**C12M 3/00** ( 2006.01 )

**(87)** WO2022/146763  
**(31)** 63/130,979 **(32)** 28.12.20 **(33)** US  
**(43)** 07.07.2022  
**(72)** DI STEFANI, Gianni; MALHOTRA, Atul  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

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**(71)** BAYER AKTIENGESELLSCHAFT

**(11)** AU-A-2021391491  
**(21)** 2021391491 **(22)** 29.11.2021  
**(54)** COMPOSITIONS COMPRISING MESOSULFURON-METHYL AND TEHP

**(51)** Int. Cl.  
**A01N 47/36** ( 2006.01 )  
**A01N 57/12** ( 2006.01 )  
**A01P 13/02** ( 2006.01 )  
**(87)** WO2022/117516  
**(31)** 20211007.8 **(32)** 01.12.20 **(33)** EP  
**(43)** 09.06.2022  
**(72)** RATSCHINSKI, Arno; MARTELLETTI, Arianna; MENNE, Hubert; PEREZ CATALAN, Julio  
**(74)** Griffith Hack

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**(71)** BAYER AKTIENGESELLSCHAFT

**(11)** AU-A-2021393987  
**(21)** 2021393987 **(22)** 09.12.2021  
**(54)** SUBSTITUTED PYRAZOLO PIPERIDINE CARBOXYLIC ACIDS

**(51)** Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**(87)** WO2022/122910  
**(31)** 20213016.7 **(32)** 10.12.20 **(33)** EP  
**(43)** 16.06.2022  
**(72)** VAKALOPOULOS, Alexandros; COL-LIN-KRÖPELIN, Marie-Pierre; ORTEGA HERNANDEZ, Nuria; DIESKAU, Andre; BOULTADAKIS-ARAPINIS, Melissa; CANDISH, Lisa; STELLFELD, Timo; MATHAR, Ilka; HOFMEISTER, Lucas, Hudson; SANDNER, Peter; WUNDER, Frank; DIETZ, Lisa; WEBSTER, Robert, Alan; SCHMECK, Carsten; MONDRITZKI, Thomas  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** BAYER AKTIENGESELLSCHAFT

**(11)** AU-A-2021393988  
**(21)** 2021393988 **(22)** 09.12.2021

**(54)** SUBSTITUTED PYRAZOLO PIPERIDINE CARBOXYLIC ACIDS

**(51)** Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )

**(87)** WO2022/122914  
**(31)** 20213020.9 **(32)** 10.12.20 **(33)** EP  
**(43)** 16.06.2022  
**(72)** VAKALOPOULOS, Alexandros; COL-LIN-KRÖPELIN, Marie-Pierre; ORTEGA HERNANDEZ, Nuria; DIESKAU, Andre; BOULTADAKIS-ARAPINIS, Melissa; CANDISH, Lisa; STELLFELD, Timo; MATHAR, Ilka; HOFMEISTER, Lucas, Hudson; SANDNER, Peter; WUNDER, Frank; DIETZ, Lisa; WEBSTER, Robert, Alan; SCHMECK, Carsten; MONDRITZKI, Thomas  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** BAYER AKTIENGESELLSCHAFT

**(11)** AU-A-2021398486  
**(21)** 2021398486 **(22)** 09.12.2021  
**(54)** THE USE OF SGC ACTIVATORS FOR THE TREATMENT OF OPHTHALMOLOGIC DISEASES

**(51)** Int. Cl.  
**A61K 31/496** ( 2006.01 )  
**A61K 31/4155** ( 2006.01 )  
**A61K 31/497** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 27/06** ( 2006.01 )  
**(87)** WO2022/122917  
**(31)** 63/123,787 **(32)** 10.12.20 **(33)** US  
**(43)** 16.06.2022  
**(72)** SCHUBERT, William, Ernst; NASSAR, Khaled; SANDNER, Peter; TERJUNG, Carsten; DUH, Elia; CHO, Hongkwan; XU, Zhenhua; WU, Lijuan; ZHOU, Lingli  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** BAYER HEALTHCARE LLC

**(11)** AU-A-2021391432  
**(21)** 2021391432 **(22)** 30.11.2021  
**(54)** CASSETTE FOR RETENTION OF FLUID PATH COMPONENTS FOR FLUID INJECTOR SYSTEM

**(51)** Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 5/145** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
**A61M 5/36** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
**(87)** WO2022/119837  
**(31)** 63/199,010 **(32)** 01.12.20 **(33)** US  
**(43)** 09.06.2022  
**(72)** NAPLES, Andrew; COWAN, Kevin; SPOHN, Michael; HAURY, John; CAMPBELL, Patrick; DEDIG, James; LEE, Randy; CASWELL, John; TIRONE, James; MACNAMEE, Katherine  
**(74)** Davies Collison Cave Pty Ltd

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- (71) BAYLOR COLLEGE OF MEDICINE  
(11) AU-A-2021372270  
(21) 2021372270 (22) 27.08.2021  
(54) TARGETING OF SRC-3 IN IMMUNE CELLS AS AN IMMUNOMODULATORY THERAPEUTIC FOR THE TREATMENT OF CANCER  
(51) Int. Cl.  
A61P 37/02 ( 2006.01 )  
A61K 35/17 ( 2015.01 )  
A61P 37/06 ( 2006.01 )  
(87) WO2022/094501  
(31) 63/106,770 (32) 28.10.20 (33) US  
(43) 05.05.2022  
(72) O'MALLEY, Bert W.; HAN, Sang Jun; LONARD, David M.; NIKOLAI, Bryan; JAIN, Prashi; GILAD, Yosef; DACSO, Clifford  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021381301  
(21) 2021381301 (22) 16.11.2021  
(54) PRESSURE MANAGEMENT METHOD FOR A DRUG DELIVERY DEVICE  
(51) Int. Cl.  
A61M 5/168 ( 2006.01 )  
A61M 5/142 ( 2006.01 )  
A61M 5/145 ( 2006.01 )  
A61M 5/50 ( 2006.01 )  
A61M 37/00 ( 2006.01 )  
(87) WO2022/108901  
(31) 63/114,894 (32) 17.11.20 (33) US  
(43) 27.05.2022  
(72) VOLLE, Jean-Marc; BEGUIN, Steve; O'REILLY, Simon; MARCELPOIL, Raphael; ORNY, Cedrick  
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021381898  
(21) 2021381898 (22) 16.11.2021  
(54) METHOD FOR TESTING PIEZOELECTRIC SOUND TRANSDUCER  
(51) Int. Cl.  
H02N 2/14 ( 2006.01 )  
F02D 41/20 ( 2006.01 )  
F02D 41/22 ( 2006.01 )  
(87) WO2022/108905  
(31) 63/114,879 (32) 17.11.20 (33) US  
(43) 27.05.2022  
(72) BEGUIN, Steve; CURTIN, Maurice; O'REILLY, Simon  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021381983  
(21) 2021381983 (22) 18.11.2021  
(54) DRUG DELIVERY DEVICE WITH CONTAINER HOLDER  
(51) Int. Cl.  
A61M 5/24 ( 2006.01 )  
A61M 5/20 ( 2006.01 )  
A61M 5/31 ( 2006.01 )  
A61M 5/315 ( 2006.01 )  
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- (31) 63/116,024 (32) 19.11.20 (33) US  
(43) 27.05.2022  
(72) PALA, Trivikrama, Bhanoji  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021382600  
(21) 2021382600 (22) 18.11.2021  
(54) DRUG DELIVERY DEVICE WITH ADHESIVE ASSEMBLY  
(51) Int. Cl.  
A61M 5/142 ( 2006.01 )  
A61M 5/20 ( 2006.01 )  
A61M 5/31 ( 2006.01 )  
A61M 5/32 ( 2006.01 )  
A61M 5/42 ( 2006.01 )  
(87) WO2022/109082  
(31) 63/116,030 (32) 19.11.20 (33) US  
(43) 27.05.2022  
(72) PALA, Trivikrama, Bhanoji  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021383604  
(21) 2021383604 (22) 16.11.2021  
(54) SYSTEM AND METHOD FOR PRESSURE MANAGEMENT FOR A DRUG DELIVERY DEVICE  
(51) Int. Cl.  
A61M 5/142 ( 2006.01 )  
A61M 5/145 ( 2006.01 )  
A61M 5/168 ( 2006.01 )  
A61M 5/172 ( 2006.01 )  
(87) WO2022/108903  
(31) 63/114,905 (32) 17.11.20 (33) US  
(43) 27.05.2022  
(72) BEGUIN, Steve; YARGER, Michael; O'REILLY, Simon  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021390487  
(21) 2021390487 (22) 01.12.2021  
(54) CATHETER DELIVERY DEVICE TO FACILITATE BLOOD DRAW  
(51) Int. Cl.  
A61M 25/08 ( 2006.01 )  
A61M 5/00 ( 2006.01 )  
A61M 25/01 ( 2006.01 )  
(87) WO2022/119906  
(31) 63/120,071 (32) 01.12.20 (33) US  
(43) 09.06.2022  
(72) MA, Yiping; BURKHOLZ, Jonathan, Karl  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021400659  
(21) 2021400659 (22) 09.12.2021  
(54) APPARATUSES AND METHODS FOR PAUSING AN INFUSION PUMP DURING A DISPENSE STROKE TO IMPROVE OCCLUSION SENSING  
(51) Int. Cl.  
A61M 5/142 ( 2006.01 )  
A61M 5/168 ( 2006.01 )  
A61M 5/172 ( 2006.01 )  
A61M 31/00 ( 2006.01 )  
(87) WO2022/132554  
(31) 63/125,497 (32) 15.12.20 (33) US  
(43) 23.06.2022  
(72) STEWART, Scott; COREY, Scott; LI, Kun  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021401561  
(21) 2021401561 (22) 09.12.2021  
(54) APPARATUSES AND METHODS FOR DETECTING AN EMPTY RESERVOIR IN AN INFUSION PUMP  
(51) Int. Cl.  
A61M 5/14 ( 2006.01 )  
A61M 5/142 ( 2006.01 )  
A61M 5/168 ( 2006.01 )  
(87) WO2022/132557  
(31) 63/125,486 (32) 15.12.20 (33) US  
(43) 23.06.2022  
(72) STEWART, Scott  
(74) FB Rice Pty Ltd
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- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021401901  
(21) 2021401901 (22) 09.12.2021  
(54) APPARATUSES AND METHODS FOR NORMALIZING LOADED PUMP MOTOR DATA TO UNLOADED PUMP MOTOR DATA DURING A FLUID MOVEMENT OPERATION  
(51) Int. Cl.  
A61M 5/142 ( 2006.01 )  
A61M 5/168 ( 2006.01 )  
A61M 5/172 ( 2006.01 )  
(87) WO2022/132555  
(31) 63/125,508 (32) 15.12.20 (33) US  
(43) 23.06.2022  
(72) STEWART, Scott; COREY, Scott; LI, Kun  
(74) FB Rice Pty Ltd
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- (71) BEIJING IMMUNOCHINA PHARMACEUTICALS CO., LTD; BEIJING YIMIAOYILIAO CO., LTD  
(11) AU-A-2021395061  
(21) 2021395061 (22) 07.12.2021  
(54) ANTIBODY SPECIFICALLY BINDING TO STREP-TAG II TAG AND USE THEREOF  
(51) Int. Cl.  
C07K 16/44 ( 2006.01 )  
C07K 1/14 ( 2006.01 )  
C07K 19/00 ( 2006.01 )  
G01N 33/577 ( 2006.01 )  
G01N 33/68 ( 2006.01 )  
(87) WO2022/121899  
(31) 202011421882.0 (32) 08.12.20 (33) CN  
(43) 16.06.2022  
(72) LU, Xinan; HE, Ting; QI, Feifei; HUANG, Ru  
(74) Spruson & Ferguson

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- (71) BEIJING IMMUNOCHINA PHARMACEUTICALS CO., LTD; BEIJING YIMIAOYILIAO CO., LTD  
 (11) AU-A-2021413526  
 (21) 2021413526 (22) 30.12.2021  
 (54) ANTIBODY THAT SPECIFICALLY BINDS TO BCMA AND APPLICATION THEREOF  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
 (87) WO2022/143870  
 (31) 202011633936.X (32) 31.12.20 (33) CN  
 (43) 07.07.2022  
 (72) LU, Xinan; HE, Ting; QI, Feifei; DING, Yanping; LIU, Guanghua; HU, Xuelian; XU, Wenping  
 (74) Spruson & Ferguson
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- (71) BEJO ZADEN B.V.  
 (11) AU-A-2021405788  
 (21) 2021405788 (22) 23.12.2021  
 (54) FUSARIUM RESISTANCE IN CELERY  
 (51) Int. Cl.  
**A01H 5/04** ( 2018.01 )  
**A01H 6/06** ( 2018.01 )  
**C07K 14/415** ( 2006.01 )  
 (87) WO2022/136652  
 (31) PCT/ (32) 24.12.20 (33) EP  
 EP2020/087870  
 (43) 30.06.2022  
 (72) HAARSMAN, Adriana Dorien; VAN DORP, Jacob; BOSHOVEN, Jordi Cornelis; SCHRIJVER, Albertus Johannes Maria  
 (74) Golja Haines & Friend
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- (71) BERTRAM, T.A.; JAIN, D.  
 (11) AU-A-2021377272  
 (21) 2021377272 (22) 12.11.2021  
 (54) ENRICHED BIOACTIVE RENAL CELL POPULATIONS, CHARACTERISTICS AND USES THEREOF  
 (51) Int. Cl.  
**A61K 35/12** ( 2015.01 )  
**A61K 35/22** ( 2015.01 )  
**C12N 5/07** ( 2010.01 )  
**C12Q 1/02** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
 (87) WO2022/104120  
 (31) 63/113,437 (32) 13.11.20 (33) US  
 63/214,483 24.06.21 US  
 63/255,704 14.10.21 US  
 (43) 19.05.2022  
 (72) BERTRAM, Timothy A.; JAIN, Deepak  
 (74) Griffith Hack
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- (71) BETH-EL MACHINERY LTD.  
 (11) AU-A-2021381094  
 (21) 2021381094 (22) 25.10.2021  
 (54) A METHOD AND SYSTEM FOR PRESERVATION OF MINIMALLY PROCESSED FRUIT OR VEGETABLES  
 (51) Int. Cl.  
**A23B 7/157** ( 2006.01 )  
**A23B 7/158** ( 2006.01 )  
**A23L 3/358** ( 2006.01 )  
**A23L 3/3589** ( 2006.01 )  
**B65B 55/18** ( 2006.01 )  
**B65B 55/22** ( 2006.01 )  
 (87) WO2022/107119  
 (31) 278780 (32) 17.11.20 (33) IL  
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*A61K 31/7105* ( 2006.01 )  
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*A01N 63/22* ( 2020.01 )  
*C05F 11/08* ( 2006.01 )  
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*G06Q 99/00* ( 2006.01 )  
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*C07D 239/34* ( 2006.01 )  
*C07C 255/46* ( 2006.01 )  
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 G06Q 10/06 (2023.01)  
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 C07K 14/705 (2006.01)  
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 E05B 65/00 (2006.01)  
 E05B 41/00 (2006.01)  
 E05F 15/73 (2015.01)  
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 B08B 9/043 (2006.01)  
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 F16L 55/18 (2006.01)  
 F16L 55/165 (2006.01)  
 F16L 101/12 (2006.01)  
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 C07D 495/14 (2006.01)  
 A61K 31/495 (2006.01)  
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 A61K 38/45 (2006.01)  
 A61K 31/416 (2006.01)  
 A61K 33/24 (2019.01)  
 A61P 35/00 (2006.01)  
 C12N 9/12 (2006.01)  
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 C08L 23/08 (2006.01)  
 C08F 2/00 (2006.01)  
 C08F 210/16 (2006.01)
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 A61F 2/90 (2013.01)  
 A61F 2/00 (2006.01)  
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 A61B 17/064 (2006.01)  
 A61B 17/068 (2006.01)  
 A61B 17/00 (2006.01)  
 A61B 90/00 (2016.01)  
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 A61M 25/01 (2006.01)  
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 A63B 21/072 (2006.01)  
 A63B 21/00 (2006.01)  
 A63B 21/02 (2006.01)  
 A63B 21/04 (2006.01)  
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(51) Int. Cl.  
G01N 33/24 ( 2006.01 )  
E21B 43/20 ( 2006.01 )  
H01J 49/00 ( 2006.01 )
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E02F 9/28 ( 2006.01 )  
B22D 19/00 ( 2006.01 )  
F16B 21/02 ( 2006.01 )  
F16B 21/16 ( 2006.01 )
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G06T 7/00 ( 2017.01 )  
E02F 3/00 ( 2006.01 )  
E21B 12/02 ( 2006.01 )  
G01B 11/00 ( 2006.01 )  
G01N 25/72 ( 2006.01 )
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(54) ASSEMBLY COMPRISING A CAPSULE INTENDED TO RECEIVE A SUBSTANCE FOR PREPARING A BEVERAGE, AND A FILM LID  
(51) Int. Cl.  
B65D 65/46 ( 2006.01 )  
B32B 5/02 ( 2006.01 )  
B65D 85/804 ( 2006.01 )
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(31) LU102246 (32) 30.11.20 (33) LU  
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(51) Int. Cl.  
B65D 65/46 ( 2006.01 )  
B32B 5/02 ( 2006.01 )  
B65D 85/804 ( 2006.01 )
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(54) ASSEMBLY COMPRISING A CAPSULE INTENDED TO RECEIVE A SUBSTANCE FOR THE PREPARATION OF A BEVERAGE AND A SEALING FILM  
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B65D 65/46 ( 2006.01 )  
B32B 5/02 ( 2006.01 )  
B65D 85/804 ( 2006.01 )
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(54) METHODS AND MATERIALS FOR INTELLIGENT COMPOSITE RENEWAL SYSTEM FOR STANDALONE, STORAGE, AND RENEWED PIPELINES, INCLUDING FOR REDUCED CARBON EMISSION AND FOR CONVERSION OF IN PLACE PIPELINES FOR CONVEYANCE OF HYDROGEN AND OTHER CLEAN FUELS  
(51) Int. Cl.  
F16L 11/08 ( 2006.01 )  
F16L 11/16 ( 2006.01 )  
F16L 59/153 ( 2006.01 )
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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G06F 18/2413 ( 2023.01 )  
G06F 18/28 ( 2023.01 )  
G06V 10/25 ( 2022.01 )  
G06V 10/26 ( 2022.01 )  
G06V 20/52 ( 2022.01 )
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A61B 5/00 ( 2006.01 )  
A61B 5/24 ( 2021.01 )  
A61B 5/377 ( 2021.01 )  
G01R 33/48 ( 2006.01 )  
G06N 3/02 ( 2006.01 )  
G06T 7/00 ( 2017.01 )  
G06V 10/82 ( 2022.01 )  
G06V 30/413 ( 2022.01 )
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(54) A MULTI-RESOLUTION ATTENTION NETWORK FOR VIDEO ACTION RECOGNITION  
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G06N 3/08 ( 2023.01 )  
G06F 18/21 ( 2023.01 )  
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 G01L 1/22 ( 2006.01 )  
 F16K 37/00 ( 2006.01 )  
 G01L 1/26 ( 2006.01 )  
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 G01L 3/14 ( 2006.01 )  
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 A61F 2/95 ( 2013.01 )  
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 A61K 38/47 ( 2006.01 )  
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 A61P 35/00 ( 2006.01 )  
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 B60K 1/00 ( 2006.01 )  
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**C07D 231/20** ( 2006.01 )  
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**B01J 6/00** ( 2006.01 )  
**C04B 7/43** ( 2006.01 )  
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(54) COMPOSITIONS AND METHODS FOR ENHANCING T CELL PENETRATION OF TUMORS AND CANCERS
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**C09C 1/48** ( 2006.01 )  
**C01B 32/05** ( 2017.01 )  
**C01B 32/15** ( 2017.01 )  
**C08K 3/04** ( 2006.01 )
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(54) VENTRICULAR ASSIST SYSTEM AND METHOD
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**A61M 60/10** ( 2021.01 )  
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(54) MULTILAYER MEDICAL TUBING WITH LOW SORBABILITY
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**B32B 27/08** ( 2006.01 )  
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**F16L 11/00** ( 2006.01 )
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**G16H 40/20** ( 2018.01 )  
**A61B 5/00** ( 2006.01 )  
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**G16H 40/67** ( 2018.01 )  
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(54) METHOD FOR PREPARING A CHOCOLATE PRODUCT
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**A23G 1/30** ( 2006.01 )  
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 (54) METHOD FOR PREPARING A CHOCOLATE PRODUCT  
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**C07C 273/02** ( 2006.01 )  
**B01J 2/02** ( 2006.01 )  
**C05C 9/00** ( 2006.01 )  
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 (54) DUST SUPPRESSION SYSTEM FOR HAMMERS  
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**B25D 17/16** ( 2006.01 )  
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**E02F 3/96** ( 2006.01 )  
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 (11) AU-A-2021381456  
 (21) 2021381456 (22) 23.11.2021  
 (54) METHODS AND SYSTEMS FOR ENTITLEMENT SERVICE DESIGN AND DEPLOYMENT  
 (51) Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**G06F 16/21** ( 2019.01 )  
**G06F 16/903** ( 2019.01 )  
**G06F 21/34** ( 2013.01 )  
**G06F 21/62** ( 2013.01 )  
**H04L 9/32** ( 2006.01 )
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 (43) 27.05.2022  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) CATERPILLAR INC.  
 (11) AU-A-2021382000  
 (21) 2021382000 (22) 19.11.2021  
 (54) METHOD FOR REMANUFACTURING INTERNAL SPLINE COMPONENTS  
 (51) Int. Cl.  
**F16D 1/10** ( 2006.01 )  
 (87) WO2022/109231  
 (31) 17/101,463 (32) 23.11.20 (33) US  
 (43) 27.05.2022  
 (72) STEINMETZ, Andrew D.; JAY-ASINGHE, Chandima Surangie  
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- (71) CATERPILLAR INC.  
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 (21) 2021385271 (22) 15.11.2021  
 (54) FUEL FILTER PASSAGE FOR DOWNWARD FUEL FLOW DIRECTION  
 (51) Int. Cl.  
**B01D 29/21** ( 2006.01 )  
**B01D 29/90** ( 2006.01 )  
**B01D 29/96** ( 2006.01 )  
**B01D 35/30** ( 2006.01 )  
**B01D 36/00** ( 2006.01 )  
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 (31) 17/102,631 (32) 24.11.20 (33) US  
 (43) 02.06.2022  
 (72) IMMEL, Jon T.; OEDEWALDT, Stephen Ellis; RIES, Jeffrey R.; MOREHOUSE, Darrell L., III; SUTTON, Brian J.; BURCAR, Quinton Marcus  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) CATERPILLAR INC.  
 (11) AU-A-2021386381  
 (21) 2021386381 (22) 24.11.2021  
 (54) SYSTEMS AND METHODS FOR ELECTRONICALLY ASSESSING OPERATOR PERFORMANCE WHEN OPERATING A MACHINE BASED ON MACHINE-RELATED DATA ASSOCIATED WITH THE MACHINE  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G05D 1/02** ( 2020.01 )  
**G06Q 10/08** ( 2023.01 )  
 (87) WO2022/115517  
 (31) 17/105,903 (32) 27.11.20 (33) US  
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(51) Int. Cl.  
B01D 29/21 (2006.01)  
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B01D 29/96 (2006.01)  
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(54) VELOCITY CONTROL FOR CONSTRUCTION MACHINES  
(51) Int. Cl.  
E02F 3/84 (2006.01)  
E01C 19/00 (2006.01)  
E02F 9/22 (2006.01)  
E02F 9/26 (2006.01)  
G05B 13/02 (2006.01)  
G06Q 50/08 (2012.01)  
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(54) METHODS AND SYSTEMS FOR EXCHANGING CONFIDENTIAL INFORMATION VIA A BLOCKCHAIN  
(51) Int. Cl.  
H04L 9/32 (2006.01)  
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(11) AU-A-2022215644  
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(54) DYNAMICALLY PRIORITIZING, ORGANIZING AND DISPLAYING CELLS AND TISSUE IN ORDER OF THEIR DIAGNOSTIC SIGNIFICANCE  
(51) Int. Cl.  
G16B 20/00 (2019.01)  
(87) WO2022/170235  
(31) 63/146,956 (32) 08.02.21 (33) US  
(43) 11.08.2022  
(72) TJON, Robert  
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- (71) CEDARS-SINAI MEDICAL CENTER; GEMELLI BIOTECH CORP.  
(11) AU-A-2021361055  
(21) 2021361055 (22) 15.10.2021  
(54) MICROBIOME-DERIVED GASEOUS SAMPLE COLLECTION SYSTEM AND METHODS  
(51) Int. Cl.  
B01J 4/00 (2006.01)  
B01L 1/02 (2006.01)  
B01L 3/00 (2006.01)  
B32B 7/035 (2019.01)  
B32B 15/04 (2006.01)  
B65D 49/02 (2006.01)  
F16K 5/10 (2006.01)  
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(54) METHOD FOR SCREENING NEURONAL REGENERATION PROMOTING CELLS HAVING NEURONAL REGENERATION ACTIVITY  
(51) Int. Cl.  
G01N 33/50 (2006.01)  
A61K 35/30 (2015.01)  
A61P 25/00 (2006.01)  
C12N 5/0793 (2010.01)  
C12Q 1/02 (2006.01)  
G01N 33/68 (2006.01)  
(87) WO2022/154474  
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- (71) CELLFE, INC.  
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(54) METHODS AND SYSTEMS FOR MECHANOPORATION-BASED PAYLOAD DELIVERY INTO BIOLOGICAL CELLS  
(51) Int. Cl.  
C12M 3/00 (2006.01)  
B01L 3/00 (2006.01)  
B81B 1/00 (2006.01)  
C12N 5/071 (2010.01)  
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(43) 27.05.2022  
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(21) 2021382306 (22) 17.11.2021  
(54) METHOD AND SYSTEM FOR PROVIDING ANATOMICAL LANDMARKS OF A SUBJECT'S BODY PART  
(51) Int. Cl.  
A61B 34/20 (2016.01)  
A61B 8/08 (2006.01)  
A61B 34/10 (2016.01)  
A61B 90/00 (2016.01)  
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(72) DARDENNE, Guillaume; LETISSIER, Hoel; OGOR, Jérôme; STINDEL, Eric  
(74) FPA Patent Attorneys Pty Ltd
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(54) NOVEL FORMO-PHENOLIC RESINS, PROCESS FOR THE PREPARATION THEREOF, AND USE OF SAME IN THE EXTRACTION OF URANIUM FROM WATER  
(51) Int. Cl.  
C08G 8/24 (2006.01)  
B01D 15/38 (2006.01)  
C08G 16/02 (2006.01)  
C22B 60/02 (2006.01)  
G21F 9/12 (2006.01)  
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(74) Spruson & Ferguson
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(11) AU-A-2021392032  
(21) 2021392032 (22) 01.12.2021  
(54) GENETICALLY ENGINEERED CELLS AND USES THEREOF  
(51) Int. Cl.  
C07K 14/54 (2006.01)  
C07K 16/18 (2006.01)  
C07K 16/28 (2006.01)  
C12N 5/074 (2010.01)  
C12N 5/0783 (2010.01)  
C12N 5/0789 (2010.01)  
C12N 5/10 (2006.01)  
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63/120,799 03.12.20 US  
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JESSUP, Heidi; BRASEL, Kenneth;  
THOMPSON, Lucas; WHEELER, John  
**(74)** Spruson & Ferguson

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**(11)** AU-A-2021401052  
**(21)** 2021401052 **(22)** 17.12.2021  
**(54)** CHIMERIC ANTIGEN RECEPTOR SYSTEMS WITH ADAPTABLE RECEPTOR SPECIFICITY  
**(51)** Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/42** ( 2006.01 )  
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**(11)** AU-A-2021408916  
**(21)** 2021408916 **(22)** 20.12.2021  
**(54)** UNDERLAY ELEMENT FOR FLOORING AND FLOOR ASSEMBLY  
**(51)** Int. Cl.  
**E04F 15/18** ( 2006.01 )  
**(87)** WO2022/139664  
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**(43)** 30.06.2022  
**(72)** JOSEFSSON, Per; OLOFSSON, Richard; BJEREMYR, Martin  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** CERECIN INC.  
**(11)** AU-A-2021381323  
**(21)** 2021381323 **(22)** 17.11.2021  
**(54)** RADIOPHARMACEUTICAL KETONE AND DUAL TRACER IMAGING IN ALZHEIMER'S DISEASE, COGNITIVE IMPAIRMENT, AND OTHER CONDITIONS OF ALTERED CEREBRAL METABOLISM  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 6/00** ( 2006.01 )  
**A61B 6/03** ( 2006.01 )  
**(87)** WO2022/108989  
**(31)** 63/115,899 **(32)** 19.11.20 **(33)** US  
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**(72)** WONG, Ernest; WALKER, Judith; HENDERSON, Samuel T.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** CERUS CORPORATION  
**(11)** AU-A-2021364998  
**(21)** 2021364998 **(22)** 18.10.2021  
**(54)** MODULAR LIGHT DEVICE FOR A BIOLOGICAL FLUID TREATMENT SYSTEM  
**(51)** Int. Cl.

**A61M 1/02** ( 2006.01 )  
**A01N 1/02** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
**A61N 5/06** ( 2006.01 )  
**(87)** WO2022/087580  
**(31)** 63/093,722 **(32)** 19.10.20 **(33)** US  
**(43)** 28.04.2022  
**(72)** CHURCH, Daniel; ISON, Lloyd  
**(74)** FB Rice Pty Ltd

**(71)** CEVEC PHARMACEUTICALS GMBH  
**(11)** AU-A-2021405011  
**(21)** 2021405011 **(22)** 20.12.2021  
**(54)** PRODUCER CELL HAVING LOW LEVELS OF VA-RNA  
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**C12N 15/86** ( 2006.01 )  
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**(31)** 20215905.9 **(32)** 21.12.20 **(33)** EP  
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**(72)** HEIN, Kerstin; DO CARMO GIL GONCALVES, Ines; WISSING, Silke; HUDJETZ, Ben  
**(74)** Spruson & Ferguson

**(71)** CHANGSHA HEIJINGANG INDUSTRIAL CO., LTD  
**(11)** AU-A-2021366577  
**(21)** 2021366577 **(22)** 13.08.2021  
**(54)** CARBURIZED WORKPIECE AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
**C23C 8/22** ( 2006.01 )  
**C21D 6/00** ( 2006.01 )  
**(87)** WO2022/083248  
**(31)** 202011138231.0 **(32)** 22.10.20 **(33)** CN  
**(43)** 28.04.2022  
**(72)** YANG, Riping; YANG, Jun; YANG, Xi-anglong  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** CHANGSHA HEIJINGANG INDUSTRIAL CO., LTD  
**(11)** AU-A-2021384298  
**(21)** 2021384298 **(22)** 27.08.2021  
**(54)** LARGE-DIAMETER COMBINATION IMPACTOR AND DOWN-THE-HOLE DRILLING RIG  
**(51)** Int. Cl.  
**E21B 4/14** ( 2006.01 )  
**(87)** WO2022/105343  
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**(72)** YANG, Riping; ZHU, Zijia; YANG, Xianglong  
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**(71)** CHARITÉ - UNIVERSITÄTSMEDIZIN BERLIN  
**(11)** AU-A-2021374038  
**(21)** 2021374038 **(22)** 08.11.2021  
**(54)** SYSTEM FOR STIMULATION OF BIOLOGICAL TISSUE  
**(51)** Int. Cl.  
**A61N 2/02** ( 2006.01 )  
**A61N 2/00** ( 2006.01 )

**A61N 2/12** ( 2006.01 )  
**(87)** WO2022/096710  
**(31)** 20206444.0 **(32)** 09.11.20 **(33)** EP  
**(43)** 12.05.2022  
**(72)** SOEKADAR, Surjo Raphael; NASR, Khaled  
**(74)** Spruson & Ferguson

**(71)** CHARITÉ - UNIVERSITÄTSMEDIZIN BERLIN  
**(11)** AU-A-2021405718  
**(21)** 2021405718 **(22)** 22.12.2021  
**(54)** REPROGRAMMING IMMUNE CELLS BY TARGETED INTEGRATION OF ZETA-DEFICIENT CHIMERIC ANTIGEN RECEPTOR TRANSGENES  
**(51)** Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 9/22** ( 2006.01 )  
**(87)** WO2022/136551  
**(31)** 20216649.2 **(32)** 22.12.20 **(33)** EP  
**(43)** 30.06.2022  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** CHART INC.  
**(11)** AU-A-2021385056  
**(21)** 2021385056 **(22)** 18.11.2021  
**(54)** GETTER MATERIAL, TANKS CONTAINING THE SAME, AND METHODS OF MAKING AND USING GETTER MATERIAL TO ABSORB HYDROGEN  
**(51)** Int. Cl.  
**B01J 20/02** ( 2006.01 )  
**B01D 53/02** ( 2006.01 )  
**B01J 20/06** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**B01J 23/656** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**C01B 3/00** ( 2006.01 )  
**F17C 3/08** ( 2006.01 )  
**H01J 7/18** ( 2006.01 )  
**(87)** WO2022/109109  
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**(72)** GUSTAFSON, Erik  
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**(71)** CHEMICAL & BIOPHARMACEUTICAL LABORATORIES OF PATRAS S.A.  
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**(54)** A PROCESS FOR PRODUCING EGF  
**(51)** Int. Cl.  
**C07K 14/485** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 14/495** ( 2006.01 )  
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 (21) 2021363638 (22) 22.10.2021  
 (54) LIQUID CLEANING AGENT CONCENTRATE, READY-TO-USE SOLUTION, USES THEREOF AND CLEANING METHOD  
 (51) Int. Cl.  
*C11D 3/386* ( 2006.01 )  
*A61L 2/00* ( 2006.01 )  
*C11D 3/00* ( 2006.01 )  
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*C11D 3/33* ( 2006.01 )  
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*C11D 3/48* ( 2006.01 )  
*C11D 11/00* ( 2006.01 )  
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 (11) AU-A-2021392700  
 (21) 2021392700 (22) 30.11.2021  
 (54) NOVEL N-HETEROCYCLIC BET BROMODOMAIN INHIBITOR, AND PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF  
 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/407* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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 (21) 2021397776 (22) 09.12.2021  
 (54) ENHANCED NANOPARTICLE DELIVERY SYSTEMS  
 (51) Int. Cl.  
*A61K 47/60* ( 2017.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*B82Y 5/00* ( 2011.01 )  
*C12N 15/113* ( 2010.01 )  
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 (54) An anti-deviation crawler walking hydraulic system  
 (51) Int. Cl.  
*B62D 55/06* ( 2006.01 )  
*F15B 11/16* ( 2006.01 )  
*F15B 11/22* ( 2006.01 )  
*F15B 13/06* ( 2006.01 )  
*F15B 21/041* ( 2019.01 )  
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 (74) TIDY TEND GLOBAL PTY LTD
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 (54) METHOD FOR EXTRACTING THREEDIMENSIONAL SURFACE DEFORMATION BY COMBINING UNMANNED AERIAL VEHICLE DOMS AND SATELLITE-BORNE SAR IMAGES  
 (51) Int. Cl.  
*G01B 7/24* ( 2006.01 )  
*G01S 13/86* ( 2006.01 )  
*G01S 13/90* ( 2006.01 )  
*G01S 19/42* ( 2010.01 )  
 (87) WO2022/213673  
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 (51) Int. Cl.  
*H01L 31/0216* ( 2014.01 )  
*H01L 31/068* ( 2012.01 )  
 (87) WO2022/141738  
 (31) 202011594855.3 (32) 29.12.20 (33) CN  
 (43) 07.07.2022  
 (72) LI, Hongbo; HE, Sheng; SHAN, Wei; HSU, Wei-Chih; ZENG, Xinlin; ZHAO, Yingcai  
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- (71) CHINT NEW ENERGY TECHNOLOGY CO., LTD.  
 (11) AU-A-2021415703  
 (21) 2021415703 (22) 10.05.2021  
 (54) BACK METAL ELECTRODE OF N-TYPE TOPCON SOLAR CELL AND PREPARATION METHOD THEREFOR, AND CELL  
 (51) Int. Cl.  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/068* ( 2012.01 )  
*H01L 31/18* ( 2006.01 )  
 (87) WO2022/142054  
 (31) 202011582094.X (32) 28.12.20 (33) CN  
 (43) 07.07.2022  
 (72) FENG, Mingzhang; YANG, Jinfang; HE, Sheng; HSU, Wei-Chih  
 (74) GLMR
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- (71) CHINT NEW ENERGY TECHNOLOGY CO., LTD.  
 (11) AU-A-2021431583  
 (21) 2021431583 (22) 25.05.2021  
 (54) N-TYPE TOPCON BATTERY HAVING DOUBLE-SIDED ALUMINUM PASTE ELECTRODE AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/068* ( 2012.01 )  
*H01L 31/18* ( 2006.01 )  
 (87) WO2022/183603  
 (31) 202110242438.0 (32) 05.03.21 (33) CN  
 (43) 09.09.2022  
 (72) FENG, Mingzhang; HE, Sheng; XU, Weizhi  
 (74) GLMR
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- (71) CHOWDHURY, S.R.  
 (11) AU-A-2020474337  
 (21) 2020474337 (22) 30.12.2020  
 (54) RADIO NETWORK PERFORMANCE OPTIMIZATION SYSTEM AND METHOD  
 (51) Int. Cl.  
*H04W 24/04* ( 2009.01 )  
*H04W 24/08* ( 2009.01 )  
 (87) WO2022/091108  
 (31) 202011047642 (32) 31.10.20 (33) IN  
 (43) 05.05.2022  
 (72) CHOWDHURY, Shomenath Roy  
 (74) Alder IP Pty Ltd
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- (71) CHRETO APS  
 (11) AU-A-2021403434  
 (21) 2021403434 (22) 13.12.2021  
 (54) A METHOD AND A SYSTEM FOR FILTERING A SUSPENSION  
 (51) Int. Cl.  
*B01D 25/12* ( 2006.01 )  
*B01D 29/01* ( 2006.01 )  
*B01D 37/02* ( 2006.01 )  
 (87) WO2022/128875  
 (31) 20213686.7 (32) 14.12.20 (33) EP  
 (43) 23.06.2022  
 (72) KYHSE-ANDERSEN, Jan; WINTHER, Lars  
 (74) Spruson & Ferguson



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(71) CI, Q.  
 (11) AU-A-2021423930  
 (21) 2021423930 (22) 30.11.2021  
 (54) COMPOSITE CONTAINING NON-DENATURING TYPE II COLLAGEN AND CHITOSAN OLIGOSACCHARIDE, AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**A61K 38/39** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**A61K 47/61** ( 2017.01 )  
**A61P 19/02** ( 2006.01 )  
 (87) WO2022/160917  
 (31) 202110114882.4 (32) 28.01.21 (33) CN  
 (43) 04.08.2022  
 (72) CI, Qu; GUISHI, Zhang  
 (74) Davies Collison Cave Pty Ltd

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(71) CIPHERTRACE, INC.  
 (11) AU-A-2021418733  
 (21) 2021418733 (22) 27.12.2021  
 (54) SYSTEMS AND METHODS FOR CORRELATING CRYPTOGRAPHIC ADDRESSES BETWEEN BLOCKCHAIN NETWORKS  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
 (87) WO2022/154957  
 (31) 63/131,782 (32) 29.12.20 (33) US  
 (43) 21.07.2022  
 (72) TARNOW, Jacob  
 (74) Davies Collison Cave Pty Ltd

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(71) CIRVINUS MEDICAL TECHNOLOGY LLC  
 (11) AU-A-2021383765  
 (21) 2021383765 (22) 18.11.2021  
 (54) SYSTEMS AND METHODS FOR ARTIFICIAL INTELLIGENCE BASED IMAGE ANALYSIS FOR PLACEMENT OF SURGICAL APPLIANCE  
 (51) Int. Cl.  
**A61B 34/10** ( 2016.01 )  
**G16H 20/40** ( 2018.01 )  
**G16H 30/40** ( 2018.01 )  
 (87) WO2022/109185  
 (31) 63/115,992 (32) 19.11.20 (33) US  
 (43) 27.05.2022  
 (72) DORMAN, John Kyle  
 (74) Adams Pluck

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(71) CISION VISION, INC.  
 (11) AU-A-2021381989  
 (21) 2021381989 (22) 18.11.2021  
 (54) SHORT-WAVE INFRARED BASED IMAGING  
 (51) Int. Cl.  
**A61B 1/313** ( 2006.01 )  
**A61B 1/04** ( 2006.01 )  
**A61B 1/06** ( 2006.01 )  
**G02B 23/24** ( 2006.01 )  
 (87) WO2022/109143  
 (31) 63/115,945 (32) 19.11.20 (33) US

(43) 27.05.2022  
 (72) LI, Zhongming  
 (74) AJ PARK

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(71) CIVCO MEDICAL INSTRUMENTS CO., INC.  
 (11) AU-A-2021385089  
 (21) 2021385089 (22) 22.11.2021  
 (54) TRANSPERINEAL PUNCTURE DEVICE GUIDE  
 (51) Int. Cl.  
**A61B 8/08** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61B 8/12** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
 (87) WO2022/109387  
 (31) 63/116,980 (32) 23.11.20 (33) US  
 63/233,173 13.08.21 US  
 (43) 27.05.2022  
 (72) WHITMORE, Willet; MEDER, Tim; SMITH, Paul; MOODY, Sam; PANKOW, Hannah; MYHRE, Mackenzie; MYRAND, Caroline  
 (74) Spruson & Ferguson

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(71) CJ CHEILJEDANG CORPORATION  
 (11) AU-A-2021387518  
 (21) 2021387518 (22) 29.11.2021  
 (54) BREADCRUMB AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**A23L 7/157** ( 2016.01 )  
**A23L 7/10** ( 2016.01 )  
**A23L 27/30** ( 2016.01 )  
**A23L 29/10** ( 2016.01 )  
**A23L 29/212** ( 2016.01 )  
 (87) WO2022/114886  
 (31) 10-2020-0165102 (32) 30.11.20 (33) KR  
 10-2021-0166741 29.11.21 KR  
 (43) 02.06.2022  
 (72) KIM, Il Hwan; LEE, Su Hyun; PARK, Hong Wook; KIM, Gun Tae; YU, Young; KANG, Ki Moon  
 (74) Spruson & Ferguson

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(71) CJ CHEILJEDANG CORPORATION  
 (11) AU-A-2021398406  
 (21) 2021398406 (22) 08.11.2021  
 (54) NOVEL SCHIZOCHYTRIUM SP. STRAIN AND POLYUNSATURATED FATTY ACID PRODUCTION METHOD USING SAME  
 (51) Int. Cl.  
**C12N 1/12** ( 2006.01 )  
**A23K 10/16** ( 2016.01 )  
**C12P 7/64** ( 2022.01 )  
**C12R 1/89** ( 2006.01 )  
 (87) WO2022/124590  
 (31) 10-2020-0169850 (32) 07.12.20 (33) KR  
 (43) 16.06.2022  
 (72) CHOI, Jung Woon; JANG, Sung Hoon; KIM, Ji Young; SHIN, Won Sub; KANG, Hae Won  
 (74) FB Rice Pty Ltd

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(71) CJ CHEILJEDANG CORPORATION  
 (11) AU-A-2021414658

(21) 2021414658 (22) 08.09.2021  
 (54) GLUTAMATE-CYSTEINE LIGASE VARIANT AND METHOD FOR PRODUCING GLUTATHIONE USING SAME  
 (51) Int. Cl.  
**C12N 9/00** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12N 15/81** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
 (87) WO2022/145623  
 (31) 10-2021-0000361 (32) 04.01.21 (33) KR  
 (43) 07.07.2022  
 (72) KIM, Yeonsoo; HA, Cheol Woong; YANG, Eun Bin; IM, Yeong Eun  
 (74) WRAYS PTY LTD

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(71) CLEAN POWER HYDROGEN GROUP LIMITED  
 (11) AU-A-2020479045  
 (21) 2020479045 (22) 27.11.2020  
 (54) SOLAR POWER INSTALLATION  
 (51) Int. Cl.  
**C25B 1/04** ( 2021.01 )  
**C25B 9/19** ( 2021.01 )  
**C25B 9/65** ( 2021.01 )  
**H01M 16/00** ( 2006.01 )  
 (87) WO2022/112732  
 (43) 02.06.2022  
 (72) WILLIAMSON, Nigel David Lister  
 (74) Davies Collison Cave Pty Ltd

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(71) COGNITION THERAPEUTICS, INC.  
 (11) AU-A-2021396380  
 (21) 2021396380 (22) 10.12.2021  
 (54) COMPOSITIONS FOR TREATING DRY AGE-RELATED MACULAR DEGENERATION (AMD)  
 (51) Int. Cl.  
**A61K 31/404** ( 2006.01 )  
**A61K 31/405** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
 (87) WO2022/125925  
 (31) 63/124,695 (32) 11.12.20 (33) US  
 (43) 16.06.2022  
 (72) CAGGIANO, Anthony; CATALANO, Susan; HAMBY, Mary; IZZO, Nicholas; LOOK, Gary; RISHTON, Gilbert  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) COLGATE-PALMOLIVE COMPANY  
 (11) AU-A-2021381870  
 (21) 2021381870 (22) 08.09.2021  
 (54) PERSONAL CARE SYSTEM, DEVICE, AND METHOD THEREOF  
 (51) Int. Cl.  
**A46B 9/04** ( 2006.01 )  
**A46B 15/00** ( 2006.01 )  
**G09B 19/00** ( 2006.01 )  
 (87) WO2022/108643  
 (31) 63/117,078 (32) 23.11.20 (33) US  
 (43) 27.05.2022  
 (72) YAO, John; ZHOU, Jiang  
 (74) Spruson & Ferguson

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- (71) COLGATE-PALMOLIVE COMPANY  
(11) AU-A-2021386360  
(21) 2021386360 (22) 23.11.2021  
(54) FABRIC SOFTENING COMPOSITIONS  
(51) Int. Cl.  
C11D 1/62 ( 2006.01 )  
C11D 3/00 ( 2006.01 )  
C11D 3/16 ( 2006.01 )  
C11D 3/20 ( 2006.01 )  
C11D 3/26 ( 2006.01 )  
C11D 3/36 ( 2006.01 )  
C11D 3/37 ( 2006.01 )  
C11D 3/48 ( 2006.01 )  
(87) WO2022/115442  
(31) 63/118,487 (32) 25.11.20 (33) US  
(43) 02.06.2022  
(72) SANCHEZ, Sandra Paola; MALDONADO, Raul Arellano; HERNANDEZ, Marcela  
(74) Spruson & Ferguson
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- (71) COLGATE-PALMOLIVE COMPANY  
(11) AU-A-2021388036  
(21) 2021388036 (22) 26.11.2021  
(54) ACTUATING DEVICE FOR USE IN COMBINATION WITH A PRESSURIZED PACKAGING  
(51) Int. Cl.  
B65D 83/20 ( 2006.01 )  
B65D 83/14 ( 2006.01 )  
B05B 11/00 ( 2023.01 )  
B65D 83/64 ( 2006.01 )  
(87) WO2022/113017  
(31) 01505/20 (32) 26.11.20 (33) CH  
(43) 02.06.2022  
(72) KLOEBBE, Jürgen  
(74) Spruson & Ferguson
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- (71) COLGATE-PALMOLIVE COMPANY  
(11) AU-A-2021391670  
(21) 2021391670 (22) 02.12.2021  
(54) ORAL CARE COMPOSITIONS AND METHODS OF USE  
(51) Int. Cl.  
A61K 8/19 ( 2006.01 )  
A61K 8/21 ( 2006.01 )  
A61K 8/24 ( 2006.01 )  
A61K 8/27 ( 2006.01 )  
A61K 8/9789 ( 2017.01 )  
A61K 33/10 ( 2006.01 )  
A61K 33/30 ( 2006.01 )  
A61K 33/42 ( 2006.01 )  
A61K 36/27 ( 2006.01 )  
A61K 36/47 ( 2006.01 )  
A61K 36/58 ( 2006.01 )  
A61K 36/61 ( 2006.01 )  
A61Q 11/00 ( 2006.01 )  
(87) WO2022/120042  
(31) 202011052478 (32) 02.12.20 (33) IN  
(43) 09.06.2022  
(72) VYAS, Manas; REGE, Sandip; MAKWANA, Ekta; MANDHARE, Manish; JHA, Manisha; STEWART, Bernal; ARORA, Payal; CHAVAN, Bhagyashri  
(74) Spruson & Ferguson
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- (71) COLLIER, J.J.  
(11) AU-A-2021366670  
(21) 2021366670 (22) 20.10.2021  
(54) CONVERSION OF TEXT TO DYNAMIC VIDEO  
(51) Int. Cl.  
G06T 13/20 ( 2011.01 )  
G06F 3/01 ( 2006.01 )  
G06F 3/0484 ( 2022.01 )  
G06T 13/40 ( 2011.01 )  
(87) WO2022/087186  
(31) 63/104,184 (32) 22.10.20 (33) US  
(43) 28.04.2022  
(72) COLLIER, Jeffrey, Jay  
(74) Acacia Law
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- (71) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.  
(11) AU-A-2021374854  
(21) 2021374854 (22) 25.10.2021  
(54) TANDEM PHOTOVOLTAIC DEVICE COMBINING A SILICON-BASED SUB-CELL AND A PEROVSKITE-BASED SUB-CELL COMPRISING AN N-LAYER WITH CONTROLLED CARBON CONTENT  
(51) Int. Cl.  
H01L 31/043 ( 2014.01 )  
H10K 30/15 ( 2023.01 )  
H10K 30/57 ( 2023.01 )  
(87) WO2022/096801  
(31) FR2011348 (32) 05.11.20 (33) FR  
(43) 12.05.2022  
(72) MANCEAU, Matthieu; CROS, Stéphane; DALLY, Pia; DUPRE, Olivier; LEMAITRE, Noella  
(74) Griffith Hack
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- (71) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.  
(11) AU-A-2021375370  
(21) 2021375370 (22) 25.10.2021  
(54) TANDEM PHOTOVOLTAIC DEVICE COMBINING A SILICON-BASED SUB-CELL AND A PEROVSKITE-BASED SUB-CELL COMPRISING A P- OR N-TYPE MATERIAL/PEROVSKITE COMPOSITE LAYER  
(51) Int. Cl.  
H01L 31/0687 ( 2012.01 )  
H01L 31/0725 ( 2012.01 )  
H01L 31/076 ( 2012.01 )  
(87) WO2022/096802  
(31) FR2011346 (32) 05.11.20 (33) FR  
(43) 12.05.2022  
(72) MANCEAU, Matthieu; DUPRE, Olivier; LEMAITRE, Noella  
(74) Griffith Hack
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- (71) COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
(11) AU-A-2021393370  
(21) 2021393370 (22) 03.12.2021  
(54) RANDOM DATA GENERATOR  
(51) Int. Cl.  
G06F 7/58 ( 2006.01 )  
G06F 21/60 ( 2013.01 )  
H04L 9/00 ( 2022.01 )  
(87) WO2022/115913  
(31) 2020904501 (32) 04.12.20 (33) AU  
(43) 09.06.2022  
(72) CAMTEPE, Seyit; HOBBS, George; GAO, Garrison (Yansong); PIEPRZYK, Josef  
(74) FB Rice Pty Ltd
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- (71) COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
(11) AU-A-2021404409  
(21) 2021404409 (22) 14.12.2021  
(54) METHODS AND SYSTEMS FOR DETERMINING PARAMETERS OF ANISOTROPY  
(51) Int. Cl.  
G01V 1/28 ( 2006.01 )  
(87) WO2022/126181  
(31) 2020904652 (32) 14.12.20 (33) AU  
(43) 23.06.2022  
(72) PERVUKHINA, Marina; BELOBORODOV, Roman; CLENNELL, Michael Benedict; PIANE, Claudio Delle; KOVALYSHEN, Yevhen; SHULAKOVA, Valeriya  
(74) FB Rice Pty Ltd
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- (71) COMMSCOPE TECHNOLOGIES LLC  
(11) AU-A-2021367929  
(21) 2021367929 (22) 21.10.2021  
(54) SPACE EFFICIENT OPTICAL FIBER TRAY ORGANIZER FOR A TELECOMMUNICATIONS CLOSURE  
(51) Int. Cl.  
G02B 6/44 ( 2006.01 )  
(87) WO2022/093621  
(31) 63/107,497 (32) 30.10.20 (33) US  
63/160,118 12.03.21 US  
(43) 05.05.2022  
(72) CLAESSENS, Bart Mattie; GHAMMAM, El Moiz Mohammed Michel  
(74) Davies Collison Cave Pty Ltd
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- (71) COMMSCOPE TECHNOLOGIES LLC  
(11) AU-A-2022205449  
(21) 2022205449 (22) 03.01.2022  
(54) GANGED COAXIAL CONNECTOR ASSEMBLY  
(51) Int. Cl.  
H01R 24/38 ( 2011.01 )  
H01R 13/627 ( 2006.01 )  
H01R 103/00 ( 2006.01 )  
(87) WO2022/150259  
(31) 63/133,888 (32) 05.01.21 (33) US  
(43) 14.07.2022  
(72) PAYNTER, Jeffrey D.  
(74) Davies Collison Cave Pty Ltd
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- (71) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
(11) AU-A-2021403916  
(21) 2021403916 (22) 10.12.2021  
(54) USE OF GLASS-RESIN COMPOSITE FIBRES FOR THE REINFORCEMENT OF CONCRETE  
(51) Int. Cl.

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

- C03C 25/1025** ( 2018.01 )  
**B29B 7/90** ( 2006.01 )  
**B29B 9/14** ( 2006.01 )  
**B29B 15/12** ( 2006.01 )  
**B29C 70/00** ( 2006.01 )  
**B29C 70/16** ( 2006.01 )  
**B29C 70/52** ( 2006.01 )  
**C03C 25/28** ( 2018.01 )  
**C03C 25/323** ( 2018.01 )  
**C04B 20/00** ( 2006.01 )  
**C04B 20/10** ( 2006.01 )  
**C04B 28/02** ( 2006.01 )  
**C08J 5/24** ( 2006.01 )  
**C04B 111/34** ( 2006.01 )  
**(87)** WO2022/129746  
**(31)** FR2013357 **(32)** 16.12.20 **(33)** FR  
**(43)** 23.06.2022  
**(72)** PLOUZENNEC, Pierre; ROOS, Kevin;  
MARTINEZ, Raphael  
**(74)** Griffith Hack
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- (71)** CONCEPTION BIOSCIENCES, INC.  
**(11)** AU-A-2021371196  
**(21)** 2021371196 **(22)** 01.11.2021  
**(54)** IN VITRO DERIVATION OF GONADAL  
SOMATIC CELLS  
**(51)** Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**(87)** WO2022/094628  
**(31)** 63/108,666 **(32)** 02.11.20 **(33)** US  
63/222,953 16.07.21 US  
**(43)** 05.05.2022  
**(72)** BARGAJE, Rhishikesh; SERES, Kar-  
men Bianka; HURTADO-GONZALEZ,  
Pablo; MILLER, Alyssa  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** CONOCOPHILLIPS COMPANY  
**(11)** AU-A-2021390578  
**(21)** 2021390578 **(22)** 02.12.2021  
**(54)** METHOD AND APPARATUS FOR  
MILLING A WINDOW IN CASING  
**(51)** Int. Cl.  
**E21B 29/06** ( 2006.01 )  
**E21B 7/00** ( 2006.01 )  
**E21B 7/04** ( 2006.01 )  
**E21B 7/06** ( 2006.01 )  
**E21B 23/00** ( 2006.01 )  
**E21B 23/01** ( 2006.01 )  
**E21B 29/00** ( 2006.01 )  
**(87)** WO2022/120361  
**(31)** 63/120,612 **(32)** 02.12.20 **(33)** US  
17/457,341 02.12.21 US  
**(43)** 09.06.2022  
**(72)** MARIBU, Kenneth; ELLER, John Gary;  
RYAN, Anthony  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** CONSTELLATION PHARMACEUTIC-  
ALS, INC  
**(11)** AU-A-2021382606  
**(21)** 2021382606 **(22)** 18.11.2021  
**(54)** EZH2 INHIBITION THERAPIES FOR  
THE TREATMENT OF ANDROGEN  
RECEPTOR MUTATED PROSTATE  
CANCERS  
**(51)** Int. Cl.  
**A61K 31/4433** ( 2006.01 )  
**A61K 31/4166** ( 2006.01 )
- A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**(87)** WO2022/109106  
**(31)** 63/115,165 **(32)** 18.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** BRADLEY, William, D.; CUI, Jike; SUN,  
Kaiming; TROJER, Patrick; WANG,  
Jing; WU, Rentian  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CONVATEC LIMITED  
**(11)** AU-A-2021391995  
**(21)** 2021391995 **(22)** 01.12.2021  
**(54)** PACKAGED CATHETER ASSEMBLY  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**(87)** WO2022/118010  
**(31)** 2019180.5 **(32)** 04.12.20 **(33)** GB  
2019943.6 17.12.20 GB  
**(43)** 09.06.2022  
**(72)** JENCO, Vladimir; KANDRAC, Lukas;  
NOVAK, Marian  
**(74)** Houlihan Intellectual Property Pty Ltd
- 
- (71)** CONVATEC LIMITED  
**(11)** AU-A-2021393079  
**(21)** 2021393079 **(22)** 01.12.2021  
**(54)** PACKAGED CATHETER ASSEMBLY  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**(87)** WO2022/118011  
**(31)** 2019180.5 **(32)** 04.12.20 **(33)** GB  
2019944.4 17.12.20 GB  
**(43)** 09.06.2022  
**(72)** PFLEGER, Oliver W; MECIAR, Bran-  
islav; NOVAK, Marian  
**(74)** Houlihan Intellectual Property Pty Ltd
- 
- (71)** COOLBROOK OY  
**(11)** AU-A-2021383402  
**(21)** 2021383402 **(22)** 17.11.2021  
**(54)** ROTARY FEEDSTOCK PROCESSING  
APPARATUS WITH AN AXIALLY AD-  
JUSTABLE ROTOR  
**(51)** Int. Cl.  
**C10G 3/00** ( 2006.01 )  
**B01F 25/64** ( 2022.01 )  
**B01J 19/18** ( 2006.01 )  
**C10G 9/00** ( 2006.01 )  
**(87)** WO2022/106754  
**(31)** 20206172 **(32)** 18.11.20 **(33)** FI  
**(43)** 27.05.2022  
**(72)** KARPOV, Alexander; SEMENOV, Denis  
**(74)** Spruson & Ferguson
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- (71)** COOPERVISION INTERNATIONAL  
LIMITED  
**(11)** AU-A-2022212761  
**(21)** 2022212761 **(22)** 25.01.2022  
**(54)** FLEXIBLE LIQUID CRYSTAL-CON-  
TAINING LENSES  
**(51)** Int. Cl.  
**G02C 7/04** ( 2006.01 )  
**G02C 7/08** ( 2006.01 )  
**G02F 1/1339** ( 2006.01 )
- (87)** WO2022/162350  
**(31)** 63/143,157 **(32)** 29.01.21 **(33)** US  
**(43)** 04.08.2022  
**(72)** OAG, Robert; FRITH, Robin;  
BASHTANOV, Mikhail  
**(74)** Griffith Hack
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- (71)** CORETEX LIMITED  
**(11)** AU-A-2021368987  
**(21)** 2021368987 **(22)** 27.10.2021  
**(54)** PRODUCT TRANSPORTATION SYS-  
TEM AND METHOD  
**(51)** Int. Cl.  
**G08B 21/18** ( 2006.01 )  
**F25D 27/00** ( 2006.01 )  
**G06Q 10/04** ( 2023.01 )  
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PERRIN, Steven Mark  
**(74)** Ellis Terry
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**(54)** CANCER IMMUNOTHERAPIES TO  
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**(51)** Int. Cl.  
**A61K 31/33** ( 2006.01 )  
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**A61K 51/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07K 16/30** ( 2006.01 )  
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**(54)** ANVIL BUTTRESS ATTACHMENT  
FOR SURGICAL STAPLING APPAR-  
ATUS  
**(51)** Int. Cl.  
**A61B 17/072** ( 2006.01 )  
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FERNANDES, Roanit  
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- (71)** CROCKETT, R.J.  
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**(54)** DENTAL DEVICE AND METHOD OF  
USE  
**(51)** Int. Cl.

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**A61C 9/00** ( 2006.01 )  
**A61C 13/01** ( 2006.01 )  
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**G06F 30/00** ( 2020.01 )  
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**(54)** SYSTEMS AND METHODS FOR POINT CLOUD SITE COMMISSIONING  
**(51)** Int. Cl.  
**G06F 30/13** ( 2020.01 )  
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**(54)** ADAPTIVE ACCELERATION FOR MATERIALS HANDLING VEHICLE  
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**(54)** METHOD FOR TREATING ANTI-BODY-MEDIATED REJECTION  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**C07K 16/28** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61K 9/08** ( 2006.01 )  
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**(54)** METHODS FOR TREATING OR PREVENTING ACUTE RESPIRATORY DISTRESS SYNDROME  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 31/706** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
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**(11)** AU-A-2021388643  
**(21)** 2021388643 **(22)** 26.11.2021  
**(54)** ANTI-CLDN18.2 ANTIBODY, DRUG CONJUGATE, AND PREPARATION METHOD THEREFOR AND USE THEREOF
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- (51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61K 31/537** ( 2006.01 )  
**A61K 38/07** ( 2006.01 )  
**A61K 45/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** VALVE SPRING RETAINER INCORPORATING LUBRICATION OIL TRAP  
**(51)** Int. Cl.  
**F01L 3/10** ( 2006.01 )  
**F01M 9/10** ( 2006.01 )  
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**(21)** 2021386467 **(22)** 26.11.2021  
**(54)** METHODS AND SYSTEMS FOR POST-CONSUMER MATERIALS COLLECTION SERVICES AND OFFSET ALLOCATIONS  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**B65F 3/00** ( 2006.01 )  
**G06K 7/10** ( 2006.01 )  
**G06K 19/08** ( 2006.01 )  
**G06Q 50/28** ( 2012.01 )  
**H04W 4/02** ( 2018.01 )  
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**(54)** PHARMACEUTICAL COMPOSITION FOR TREATING LIVER DISEASES USING SSU72  
**(51)** Int. Cl.  
**A61K 38/46** ( 2006.01 )  
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**C12Q 1/686** ( 2018.01 )  
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(54) DEVICE AND METHOD FOR PREPARING A CELL SUSPENSION  
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**C12M 1/00** ( 2006.01 )  
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(21) 2021385222 (22) 29.11.2021  
(54) ORAL FORMULATION OF BIOLOGICALLY ACTIVE MATERIAL CONJUGATE HAVING BIOTIN MOIETY, FATTY ACID MOIETY, OR COMBINATION THEREOF COUPLED THERETO  
(51) Int. Cl.  
**A61K 47/54** ( 2017.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/28** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
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(54) BIOLOGICALLY ACTIVE MATERIAL CONJUGATE HAVING BIOTIN MOIETY, FATTY ACID MOIETY, OR COMBINATION THEREOF COUPLED THERETO  
(51) Int. Cl.
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(54) COMBINATION OF ANTIBODY-DRUG CONJUGATE WITH ANTI-SIRP $\alpha$  ANTI-BODY  
(51) Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/55** ( 2017.01 )  
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**C07H 15/04** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
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**A61J 1/05** ( 2006.01 )  
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**G09G 3/20** ( 2006.01 )  
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(54) STEEL COMPOSITION, WROUGHT ARTICLE AND MANUFACTURING METHOD OF A SEAMLESS PRESSURE VESSEL FOR COMPRESSED GAS  
(51) Int. Cl.  
**C22C 38/00** ( 2006.01 )  
**C21D 1/18** ( 2006.01 )  
**C21D 6/00** ( 2006.01 )  
**C21D 9/14** ( 2006.01 )  
**C22C 38/02** ( 2006.01 )  
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- (74) Patentec Patent Attorneys
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**G21F 9/34** ( 2006.01 )  
**E21B 41/00** ( 2006.01 )
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- (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**B65B 3/00** ( 2006.01 )  
**A61J 1/00** ( 2023.01 )  
**B65D 75/00** ( 2006.01 )
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- (74) Griffith Hack
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- (71) DE LA RUE INTERNATIONAL LIMITED
- (11) AU-A-2021397868
- (21) 2021397868 (22) 08.12.2021
- (54) SECURITY DEVICE AND METHOD OF MANUFACTURE THEREOF
- (51) Int. Cl.  
**B42D 25/324** ( 2014.01 )  
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**G02B 3/08** ( 2006.01 )
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- (21) 2021391968 (22) 03.12.2021
- (54) SAROGLITAZAR AND MYRISTIC ACID FOR USE IN THE TREATMENT OF FOCAL SEGMENTAL GLOMERULOSCLEROSIS (FSGS)
- (51) Int. Cl.  
**A61K 31/20** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )
- (87) WO2022/117865
- (31) 20211662.0 (32) 03.12.20 (33) EP  
 (43) 09.06.2022
- (72) PERCO, Paul
- (74) Davies Collison Cave Pty Ltd
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- (71) DELTA 4 GMBH
- (11) AU-A-2021393786
- (21) 2021393786 (22) 03.12.2021
- (54) CLOPIDOGREL FOR USE IN THE TREATMENT OF FOCAL SEGMENTAL GLOMERULOSCLEROSIS (FSGS)
- (51) Int. Cl.  
**A61K 31/4365** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )
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- (31) 20211546.5 (32) 03.12.20 (33) EP  
 (43) 09.06.2022
- (72) PERCO, Paul
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- (71) DENALI THERAPEUTICS INC.  
 (11) AU-A-2021381396  
 (21) 2021381396 (22) 19.11.2021  
 (54) COMPOUNDS, COMPOSITIONS, AND METHODS  
 (51) Int. Cl.  
**A61K 31/472** ( 2006.01 )  
**C07D 217/24** ( 2006.01 )  
**C07D 221/18** ( 2006.01 )  
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 (31) 63/116,727 (32) 20.11.20 (33) US  
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 (43) 27.05.2022  
 (72) BAGDASARIAN, Alex L.; BUCHER, Cyril; CRAIG, II, Robert A.; DE VICENTE FIDALGO, Javier; ESTRADA, Anthony A.; FOX, Brian M.; HU, Cheng; HUFFMAN, Benjamin J.; LEXA, Katrina W.; NILEWSKI, Lizanne G.; OSIPOV, Maksim; THOTTUMKARA, Arun  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) DEPCO, INC.  
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 (21) 2021361860 (22) 17.08.2021  
 (54) THERAPEUTIC OR EXERCISE BANDS AND CABLES SPECIALLY FORMULATED TO REDUCE TRANSMISSION OF HARMFUL VIRUSES, BACTERIA AND MICROBIAL PATHOGENS  
 (51) Int. Cl.  
**A63B 21/055** ( 2006.01 )  
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 (31) 63/092,600 (32) 16.10.20 (33) US  
 (43) 21.04.2022  
 (72) MINUTO, M., Gregory; MLCOCH, Stephen  
 (74) Madderns Pty Ltd
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- (71) DEPUY IRELAND UNLIMITED COMPANY  
 (11) AU-A-2021372730  
 (21) 2021372730 (22) 27.10.2021  
 (54) ORTHOPAEDIC SURGICAL INSTRUMENT SYSTEMS AND ASSOCIATED METHODS OF USE  
 (51) Int. Cl.  
**A61B 50/20** ( 2016.01 )  
**A61B 50/22** ( 2016.01 )  
**A61B 50/30** ( 2016.01 )  
**A61B 50/33** ( 2016.01 )  
**A61B 50/34** ( 2016.01 )  
**A61F 2/00** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
 A61B 17/15 ( 2006.01 )  
 A61B 17/17 ( 2006.01 )  
 A61B 90/00 ( 2016.01 )  
 A61F 2/30 ( 2006.01 )  
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 (31) 17/081,447 (32) 27.10.20 (33) US  
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- MANSUR, Talha; BUCKLEY, Paige; LEWIS, Joanne  
 (74) Spruson & Ferguson
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 (11) AU-A-2021360292  
 (21) 2021360292 (22) 07.10.2021  
 (54) BONE PLATE AND BONE PLATE SYSTEM  
 (51) Int. Cl.  
**A61B 17/80** ( 2006.01 )  
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 (43) 21.04.2022  
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 (74) Spruson & Ferguson
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 (11) AU-A-2021371085  
 (21) 2021371085 (22) 15.10.2021  
 (54) BONE PLATES HAVING MULTI-USE SCREW HOLES FOR LOCKING AND COMPRESSION SCREWS  
 (51) Int. Cl.  
**A61B 17/80** ( 2006.01 )  
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 (31) 63/107,699 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) AEBI, This; ROCCHI, Mirko; OBERLI, Joel  
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- (71) DERMAVANT SCIENCES GMBH  
 (11) AU-A-2021382046  
 (21) 2021382046 (22) 23.11.2021  
 (54) GEL, OINTMENT, AND FOAM FORMULATIONS OF TAPINAROF AND METHODS OF USE  
 (51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
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**A61K 45/06** ( 2006.01 )  
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 (43) 27.05.2022  
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 (74) WRAYS PTY LTD
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- (54) TARGET-CELL RESTRICTED, COSTIMULATORY, BISPECIFIC AND BIVALENT ANTI-CD28 ANTIBODIES  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
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 (43) 12.05.2022  
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 (74) Spruson & Ferguson
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- (71) DEXCOM, INC.  
 (11) AU-A-2021376242  
 (21) 2021376242 (22) 29.10.2021  
 (54) MEDICAMENT INJECTION PEN FOR DISTINGUISHING BETWEEN PRIMING PEN EVENTS AND THERAPEUTIC PEN EVENTS  
 (51) Int. Cl.  
**A61M 5/172** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 5/20** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
**G16H 20/17** ( 2018.01 )  
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 (31) 63/110,295 (32) 05.11.20 (33) US  
 (43) 12.05.2022  
 (72) JEPSON, Lauren Hruby; ZIEGLER, Leah  
 (74) FB Rice Pty Ltd
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- (71) DICERNA PHARMACEUTICALS, INC.  
 (11) AU-A-2021379983  
 (21) 2021379983 (22) 12.11.2021  
 (54) CHEMICAL MODIFICATIONS FOR INHIBITING EXPRESSION OF ALDH2  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) DICKINSON CORPORATION  
 (11) AU-A-2021410698  
 (21) 2021410698 (22) 21.12.2021  
 (54) OXYANIONIC TEMPLATES FOR SURFACE REPLICATION  
 (51) Int. Cl.  
**B82Y 40/00** ( 2011.01 )  
**C09D 1/00** ( 2006.01 )  
**C09D 7/00** ( 2018.01 )  
**C23C 16/06** ( 2006.01 )  
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 (31) 63/129,154 (32) 22.12.20 (33) US  
 (43) 30.06.2022  
 (72) BISHOP, Matthew; BRILL, David, Andrew; THOMAS, Abhay, V.  
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 (21) 2021366148 (22) 08.10.2021  
 (54) INTERCEPTOR MISSILE AND METHOD FOR STEERING SAME  
 (51) Int. Cl.  
     **F41G 7/22** ( 2006.01 )  
     **G05D 1/12** ( 2006.01 )  
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 (31) 10 2020 006 465.5 (32) 21.10.20 (33) DE  
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 (72) KUHN, Thomas  
 (74) Spruson & Ferguson

(71) DIVERSEY, INC.  
 (11) AU-A-2021377693  
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 (54) METHODS AND COMPOSITIONS FOR REDUCING MICROBIAL CONTAMINANTS DURING POULTRY PROCESSING  
 (51) Int. Cl.  
     **A01N 37/02** ( 2006.01 )  
     **A01N 25/02** ( 2006.01 )  
     **A01N 33/12** ( 2006.01 )  
     **A01N 37/06** ( 2006.01 )  
     **A01N 37/16** ( 2006.01 )  
     **A01P 1/00** ( 2006.01 )  
     **A23B 4/20** ( 2006.01 )  
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 (21) 2021363761 (22) 21.10.2021  
 (54) STUD GAP MARKER FOR WALL BUILDING  
 (51) Int. Cl.  
     **G01B 3/10** ( 2020.01 )  
     **B25H 7/04** ( 2006.01 )  
     **E04G 21/18** ( 2006.01 )  
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 (72) DOERKSEN, Peter; BENNETT, Jethro  
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(71) DOORDASH, INC.  
 (11) AU-A-2021364692  
 (21) 2021364692 (22) 15.10.2021  
 (54) GENERATING MAPPING INFORMATION BASED ON IMAGE LOCATIONS  
 (51) Int. Cl.  
     **G06T 7/00** ( 2017.01 )  
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 (31) 17/075,175 (32) 20.10.20 (33) US  
 (43) 28.04.2022  
 (72) VELLANKI, Sushil; NIMKAR, Kuleen; TIAN, Li Xiang  
 (74) FB Rice Pty Ltd

(71) DUPONT NUTRITION BIOSCIENCES APS  
 (11) AU-A-2021399011  
 (21) 2021399011 (22) 13.12.2021  
 (54) BIOPROCESSING OF PROTEIN WITH PROBIOTIC BACTERIA TO IMPROVE AMINO ACID AND  
 (51) Int. Cl.  
     **A23L 29/00** ( 2016.01 )  
     **A23L 33/135** ( 2016.01 )  
     **A23L 33/17** ( 2016.01 )  
     **A23L 33/175** ( 2016.01 )  
     **A23L 33/18** ( 2016.01 )  
     **A23L 33/185** ( 2016.01 )  
     **A61K 35/745** ( 2015.01 )  
     **A61K 35/747** ( 2015.01 )  
 (87) WO2022/128922  
 (31) 20214199.0 (32) 15.12.20 (33) EP  
 (43) 23.06.2022  
 (72) MARTTINEN, Maija Emilia; SAARINEN, Markku; LAITILA, Arja; NURMINEN, Päivi; LEHTINEN, Markus; ANJUM, Mehreen  
 (74) Oxygene IP

(71) DUPONT NUTRITION BIOSCIENCES APS  
 (11) AU-A-2021399012  
 (21) 2021399012 (22) 13.12.2021  
 (54) IMPROVING PROTEIN DIGESTION AND AMINO ACID BIOAVAILABILITY BY PROBIOTIC STRAINS  
 (51) Int. Cl.  
     **A23L 29/00** ( 2016.01 )  
     **A23L 33/135** ( 2016.01 )  
     **A23L 33/17** ( 2016.01 )  
     **A23L 33/175** ( 2016.01 )  
     **A23L 33/18** ( 2016.01 )  
     **A23L 33/185** ( 2016.01 )  
     **A61K 35/745** ( 2015.01 )  
     **A61K 35/747** ( 2015.01 )  
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 (31) 20214191.7 (32) 15.12.20 (33) EP  
 (43) 23.06.2022  
 (72) MARTTINEN, Maija Emilia; SAARINEN, Markku; LAITILA, Arja; NURMINEN, Päivi; LEHTINEN, Markus; ANJUM, Mehreen  
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(71) EBR SYSTEMS, INC.  
 (11) AU-A-2021376430  
 (21) 2021376430 (22) 09.11.2021  
 (54) SYSTEMS AND METHODS FOR WIRELESS ENDOCARDIAL STIMULATION OF THE LEFT VENTRICULAR SEPTAL WALL  
 (51) Int. Cl.  
     **A61N 1/05** ( 2006.01 )  
     **A61N 1/362** ( 2006.01 )  
     **A61N 1/372** ( 2006.01 )  
     **A61N 1/378** ( 2006.01 )  
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 (31) 63/111,512 (32) 09.11.20 (33) US  
 (43) 12.05.2022  
 (72) WILLIS, Parker; FAYRAM, Timothy A.; WILL, Allan; RILEY, Richard; SAM, John P.  
 (74) FB Rice Pty Ltd

(71) EC-MOBILE, LLC; FIGORITO, M.; GISNARIAN, C.  
 (11) AU-A-2021387920  
 (21) 2021387920 (22) 23.11.2021  
 (54) CRITICAL CARE PATIENT TRANSFER SYSTEM  
 (51) Int. Cl.  
     **G06Q 50/00** ( 2012.01 )  
 (87) WO2022/115444  
 (31) 63/198,942 (32) 24.11.20 (33) US  
 (43) 02.06.2022  
 (72) FIGORITO, Matthew; GISNARIAN, Carl  
 (74) Davies Collison Cave Pty Ltd

(71) ECOSPEC NOVELTECH PTE LTD  
 (11) AU-A-2021382154  
 (21) 2021382154 (22) 06.08.2021  
 (54) SYSTEM AND METHOD FOR TREATING LIQUID BEVERAGE USING ELECTROMAGNETIC FIELD COMPRISING AC AND DC COMPONENTS  
 (51) Int. Cl.  
     **A23L 2/00** ( 2006.01 )  
     **A23L 3/26** ( 2006.01 )  
     **A47J 31/00** ( 2006.01 )  
 (87) WO2022/106915  
 (31) 63/116,976 (32) 23.11.20 (33) US  
 (43) 27.05.2022  
 (72) CHEW, Hwee Hong; ASERON, Marius Abella; ASERON, Xavier Alexen Roxas; ASERON, Jan Adrian Roxas  
 (74) WRAYS PTY LTD

(71) EDIGENE (GUANGZHOU) INC.  
 (11) AU-A-2021374598  
 (21) 2021374598 (22) 29.09.2021  
 (54) CELL PREPARATION, USE OF PROTEIN IN CHARACTERIZING HEMATOPOIETIC STEM CELLS, AND METHOD FOR DETERMINING HEMATOPOIETIC STEM CELLS  
 (51) Int. Cl.  
     **C12N 5/078** ( 2010.01 )  
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 (87) WO2022/095642  
 (31) 202011208703.5 (32) 03.11.20 (33) CN  
 (43) 12.05.2022  
 (72) FANG, Riguo; MA, Kuiying; LI, Chao; YUAN, Pengfei  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) EDWARDS LIFESCIENCES CORPORATION  
 (11) AU-A-2021409236  
 (21) 2021409236 (22) 17.12.2021  
 (54) HEART VALVE REPAIR DEVICES AND DELIVERY DEVICES THEREFOR  
 (51) Int. Cl.  
     **A61F 2/24** ( 2006.01 )  
 (87) WO2022/140175  
 (31) 63/130,364 (32) 23.12.20 (33) US  
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 (72) OBERWISE, Eric, Michael; STEARNS, Grant, Matthew; FRESCHAUF, Lauren, R.; POPP, Michael, J.; FORD,



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- (71)** EISAI R&D MANAGEMENT CO., LTD.  
**(11)** AU-A-2021376300  
**(21)** 2021376300 **(22)** 08.11.2021  
**(54)** PPARγ MODULATORS AND METHODS OF USE  
**(51)** Int. Cl.  
*C07D 401/14* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61K 31/4545* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 471/08* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
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*C07D 498/04* ( 2006.01 )  
*C07D 498/08* ( 2006.01 )  
*C07F 7/08* ( 2006.01 )  
**(87)** WO2022/099144  
**(31)** 63/111,354 **(32)** 09.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** PRAJAPATI, Sudeep; LEE, Hyelee; IOANNIDIS, Stephanos; OMOTO, Kiyoyuki; ROLFE, Alan; LIU, Xiang; SHEEHAN, Megan; DRANSFIELD, Paul; COOK, Andrew  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** EISBACH BIO GMBH  
**(11)** AU-A-2021393770  
**(21)** 2021393770 **(22)** 03.12.2021  
**(54)** ALC1 INHIBITORS AND SYNERGY WITH PARPI  
**(51)** Int. Cl.  
*C07D 495/04* ( 2006.01 )  
*A61K 31/4365* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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**(87)** WO2022/117782  
**(31)** 20211730.5 **(32)** 03.12.20 **(33)** EP  
**(43)** 09.06.2022  
**(72)** MENZER, William M.; KNOBLOCH, Gunnar; LIELEG, Corinna; SCHOMBURG, Adrian; LADURNER, Andreas; SENNHENN, Peter  
**(74)** Spruson & Ferguson
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- (71)** ELANCO US INC.  
**(11)** AU-A-2021378306  
**(21)** 2021378306 **(22)** 11.11.2021  
**(54)** CLAY COMPOSITIONS AND METHODS FOR IMPROVING ANIMAL PERFORMANCE  
**(51)** Int. Cl.  
*A61K 35/02* ( 2015.01 )  
*A61P 15/00* ( 2006.01 )  
**(87)** WO2022/103996
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**(43)** 19.05.2022  
**(72)** FRIESEN, Kim; SONG, Ran; HAGEN, Chad; HANSEN, Jeff  
**(74)** Spruson & Ferguson
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- (71)** ELECTROLUX APPLIANCES AK-TIEBOLAG  
**(11)** AU-A-2021418776  
**(21)** 2021418776 **(22)** 24.11.2021  
**(54)** EXTRACTION DEVICE  
**(51)** Int. Cl.  
*F24C 15/20* ( 2006.01 )  
**(87)** WO2022/152440  
**(31)** 21151658.8 **(32)** 14.01.21 **(33)** EP  
**(43)** 21.07.2022  
**(72)** BENOLD, Frank; SCHNEIDER, Nikolai  
**(74)** Halfords IP
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- (71)** ELEMENT BIOSCIENCES, INC.  
**(11)** AU-A-2021368759  
**(21)** 2021368759 **(22)** 29.10.2021  
**(54)** REAGENTS FOR MASSIVELY PARALLEL NUCLEIC ACID SEQUENCING  
**(51)** Int. Cl.  
*C12Q 1/6816* ( 2018.01 )  
*C12Q 1/6869* ( 2018.01 )  
*C12Q 1/6874* ( 2018.01 )  
*C12Q 1/6876* ( 2018.01 )  
**(87)** WO2022/094332  
**(31)** 63/108,207 **(32)** 30.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** ARSLAN, Sinan; HE, Molly; PREVITE, Michael; TIPPANA, Ramreddy; YU, Hua; LIGHT, William; ZHAO, Junhua  
**(74)** FB Rice Pty Ltd
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2021376225  
**(21)** 2021376225 **(22)** 05.11.2021  
**(54)** VARIANT ADENO-ASSOCIATED VIRUS (AAV)CAPSID POLYPEPTIDES AND GENE THERAPEUTICS THEREOF FOR TREATMENT OF HEARING LOSS  
**(51)** Int. Cl.  
*A61P 27/16* ( 2006.01 )  
*C07K 14/015* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
**(87)** WO2022/099007  
**(31)** 63/110,697 **(32)** 06.11.20 **(33)** US  
**(43)** 63/146,269 05.02.21 US  
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**(72)** PENNOCK, Steven; TIMMERS, Adrian, M.; SHEARMAN, Mark; BARTOLOME, Christopher; WANG, Xiaobo; MATHUR, Pranav, Dinesh; URIBE, Phillip, M.; SZOBOTA, Stephanie; JACQUES, Bonnie, E.; FOSTER, Alan, C.; PIU, Fabrice  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2021400816  
**(21)** 2021400816 **(22)** 14.12.2021  
**(54)** METHODS OF TREATING DIABETES  
**(51)** Int. Cl.  
*A61K 38/28* ( 2006.01 )
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2021400944  
**(21)** 2021400944 **(22)** 15.12.2021  
**(54)** PRETARGETING IMAGING AGENTS  
**(51)** Int. Cl.  
*A61K 51/04* ( 2006.01 )  
*C07B 59/00* ( 2006.01 )  
*C07D 257/08* ( 2006.01 )  
*A61K 101/02* ( 2006.01 )  
**(87)** WO2022/132924  
**(31)** 63/126,100 **(32)** 16.12.20 **(33)** US  
**(43)** 63/166,484 26.03.21 US  
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**(72)** CAGNOLINI, Aldo; HOYE, Adam Thomas; LI, Ximin; WRIGHT, Justin Patrick; XIONG, Hui  
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2021401635  
**(21)** 2021401635 **(22)** 14.12.2021  
**(54)** METHODS OF TREATING DIABETES  
**(51)** Int. Cl.  
*A61K 38/28* ( 2006.01 )  
*A61K 47/26* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
**(87)** WO2022/132712  
**(31)** 63/125,165 **(32)** 14.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** CARR, Molly Corbett; CHIEN, Yueh-Ling a/k/a Jenny Y. CHIEN; CHIGUTSA, Emmanuel; GARHYAN, Parag; HAUPT, Axel Richard Karl-August; TANG, Cheng Cai  
**(74)** WRAYS PTY LTD
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- (71)** ELI LILLY AND COMPANY  
**(11)** AU-A-2021401925  
**(21)** 2021401925 **(22)** 14.12.2021  
**(54)** FLUID DELIVERY SYSTEM WITH NEEDLE ASSEMBLY  
**(51)** Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61M 5/24* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
**(87)** WO2022/132675  
**(31)** 63/126,552 **(32)** 17.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** GUNAY, Murat; JUDSON, Jared Alden; PERKINS, Russell Wayne; SCHAFF, Anthony Lawrence  
**(74)** Davies Collison Cave Pty Ltd

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| <p>(71) ELISA OYJ<br/>(11) AU-A-2021391975<br/>(21) 2021391975 (22) 18.11.2021<br/>(54) A COMPUTER IMPLEMENTED METHOD FOR CONTROLLING A COMMUNICATIONS NETWORK<br/>(51) Int. Cl.<br/>H04W 16/18 (2009.01)<br/>H04W 16/28 (2009.01)<br/>H04W 24/02 (2009.01)<br/>(87) WO2022/117910<br/>(31) 20206242 (32) 03.12.20 (33) FI<br/>(43) 09.06.2022<br/>(72) SUNILA, Karri; KILPELÄINEN, Vili<br/>(74) Integrated IP</p>  | <p>H04W 24/10 (2009.01)<br/>H04W 88/02 (2009.01)<br/>(87) WO2022/144869<br/>(31) 279913 (32) 31.12.20 (33) IL<br/>(43) 07.07.2022<br/>(72) FIREAIZEN, Moshe; LIPKIN, Yiftah; RAZON, Aharon; ELMAKIAS, Michael<br/>(74) Davies Collison Cave Pty Ltd</p>  | <p>(51) Int. Cl.<br/>A61L 27/24 (2006.01)<br/>A61L 27/28 (2006.01)<br/>(87) WO2022/115801<br/>(31) 63/119,628 (32) 30.11.20 (33) US<br/>63/119,618 30.11.20 US<br/>(43) 02.06.2022<br/>(72) FRANCIS, Michael, P.; CHRISTENSEN, Kyle<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>   |
| <p>(71) ELLISON ENVIRONMENTAL SERVICES LTD<br/>(11) AU-A-2021369759<br/>(21) 2021369759 (22) 15.10.2021<br/>(54) APPARATUS FOR THE ASSESSMENT OF THE PERFORMANCE OF A GROUND SOURCE HEAT EXCHANGER AND ASSOCIATED TEST METHODS<br/>(51) Int. Cl.<br/>F24T 10/10 (2018.01)<br/>G01M 3/26 (2006.01)<br/>(87) WO2022/090687<br/>(31) 2017111.2 (32) 28.10.20 (33) GB<br/>(43) 05.05.2022<br/>(72) ELLISON, Geoff<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>  | <p>(71) ELUMINEX BIOSCIENCES (SUZHOU) LIMITED<br/>(11) AU-A-2021372759<br/>(21) 2021372759 (22) 26.10.2021<br/>(54) INHIBITORS OF ANGIOGENIC FACTORS<br/>(51) Int. Cl.<br/>C07K 16/28 (2006.01)<br/>A61P 35/00 (2006.01)<br/>C07K 14/00 (2006.01)<br/>C12P 21/00 (2006.01)<br/>(87) WO2022/089440<br/>(31) 63/204,904 (32) 30.10.20 (33) US<br/>(43) 05.05.2022<br/>(72) ZHANG, Jinzhong; SHEN, Wei Yong; SEMBA, Charles; HU, John Zhenze; XIA, Zhen Qin<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p> | <p>(71) EMBODY, INC.<br/>(11) AU-A-2021387812<br/>(21) 2021387812 (22) 30.11.2021<br/>(54) MICROPOST ARRAY APPARATUS AND BIOCOMPATIBLE SCAFFOLD<br/>(51) Int. Cl.<br/>A61L 27/24 (2006.01)<br/>(87) WO2022/115782<br/>(31) 63/119,618 (32) 30.11.20 (33) US<br/>(43) 02.06.2022<br/>(72) FRANCIS, Michael, P.; CHRISTENSEN, Kyle; THAYER, Nicholas<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>  |
| <p>(71) ELTA SYSTEMS LTD.<br/>(11) AU-A-2021389137<br/>(21) 2021389137 (22) 01.11.2021<br/>(54) SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FACILITATING EFFICIENCY OF A GROUP WHOSE MEMBERS ARE ON THE MOVE<br/>(51) Int. Cl.<br/>G01C 21/00 (2006.01)<br/>G01S 5/00 (2006.01)<br/>H04R 29/00 (2006.01)<br/>H04W 64/00 (2009.01)<br/>(87) WO2022/113063<br/>(31) 279076 (32) 29.11.20 (33) IL<br/>283637 24.05.21 IL<br/>(43) 02.06.2022<br/>(72) SHARON, Erez; KANDIBA, Slava; FRENKEL, Noam; PINTO, Hen<br/>(74) Davies Collison Cave Pty Ltd</p> | <p>(71) ELYSIS LIMITED PARTNERSHIP<br/>(11) AU-A-2021386476<br/>(21) 2021386476 (22) 23.11.2021<br/>(54) REMOVING IMPURITIES FROM AN ELECTROLYTE<br/>(51) Int. Cl.<br/>C25C 7/06 (2006.01)<br/>C25C 3/18 (2006.01)<br/>(87) WO2022/109725<br/>(31) 63/117,483 (32) 24.11.20 (33) US<br/>(43) 02.06.2022<br/>(72) D'ASTOLFO, Leroy; LIU, Xinghua; MICKELSON, Larry; MACKEY, Allen George; FORS, John<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>  | <p>(71) EMBRACE MEDICAL LTD.<br/>(11) AU-A-2021361730<br/>(21) 2021361730 (22) 14.04.2021<br/>(54) VASCULAR ACCESS KIT<br/>(51) Int. Cl.<br/>A61M 25/06 (2006.01)<br/>A61M 25/00 (2006.01)<br/>A61M 25/01 (2006.01)<br/>A61M 25/09 (2006.01)<br/>(87) WO2022/081201<br/>(31) PCT/US2020/055991 (32) 16.10.20 (33) US<br/>(43) 21.04.2022<br/>(72) TAL, Michael Gabriel<br/>(74) Spruson &amp; Ferguson</p>  |
| <p>(71) ELTA SYSTEMS LTD.<br/>(11) AU-A-2021411803<br/>(21) 2021411803 (22) 13.12.2021<br/>(54) POSITIONING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT UTILIZING INPUTS FROM GEOSTATIONARY COMMUNICATION SATELLITES<br/>(51) Int. Cl.<br/>H04L 43/0864 (2022.01)<br/>G01S 5/14 (2006.01)<br/>H04W 4/029 (2018.01)</p>   | <p>(71) ELYSIS LIMITED PARTNERSHIP<br/>(11) AU-A-2021388087<br/>(21) 2021388087 (22) 25.11.2021<br/>(54) CONTROLLING ELECTRODE CURRENT DENSITY OF AN ELECTROLYTIC CELL<br/>(51) Int. Cl.<br/>C25C 3/12 (2006.01)<br/>C25C 3/08 (2006.01)<br/>C25C 7/02 (2006.01)<br/>(87) WO2022/109742<br/>(31) 63/118,774 (32) 27.11.20 (33) US<br/>(43) 02.06.2022<br/>(72) D'ASTOLFO, Leroy; MICKELSON, Larry; RUAN, Yimin<br/>(74) PHILLIPS ORMONDE FITZPATRICK</p>   | <p>(71) ENANTA PHARMACEUTICALS, INC.<br/>(11) AU-A-2021381437<br/>(21) 2021381437 (22) 22.11.2021<br/>(54) NOVEL SPIROPYRROLIDINE DERIVED ANTIVIRAL AGENTS<br/>(51) Int. Cl.<br/>A61K 31/554 (2006.01)<br/>A61P 31/20 (2006.01)<br/>C07D 515/20 (2006.01)<br/>(87) WO2022/109363<br/>(31) 63/142,663 (32) 28.01.21 (33) US<br/>63/117,170 23.11.20 US<br/>17/479,244 20.09.21 US<br/>17/479,530 20.09.21 US<br/>(43) 27.05.2022<br/>(72) WANG, Guoqiang; SHEN, Ruichao; HE, Yong; MA, Jun; XING, Xuechao; CAO, Hui; GAO, Xuri; PENG, Xiaowen; LONG, Jiang; LI, Wei; ZHANG, Jiajun; PANARESE, Joseph, D.; KENTON, Nathaniel, Thomas; BARTLETT, Samuel; OR, Yat, Sun<br/>(74) James &amp; Wells Intellectual Property</p> |
| <p>(71) EMBODY, INC.<br/>(11) AU-A-2021385611<br/>(21) 2021385611 (22) 30.11.2021<br/>(54) ROTATING FRAME APPARATUS AND BIOCOMPATIBLE SCAFFOLD CONSTRUCT</p>   | <p>(71) EMBODY, INC.<br/>(11) AU-A-2021385611<br/>(21) 2021385611 (22) 30.11.2021<br/>(54) ROTATING FRAME APPARATUS AND BIOCOMPATIBLE SCAFFOLD CONSTRUCT</p>   | <p>(71) EMBODY, INC.<br/>(11) AU-A-2021385611<br/>(21) 2021385611 (22) 30.11.2021<br/>(54) ROTATING FRAME APPARATUS AND BIOCOMPATIBLE SCAFFOLD CONSTRUCT</p>  |

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 (11) AU-A-2021383832  
 (21) 2021383832 (22) 22.11.2021  
 (54) NOVEL SPIROPYRROLIDINE DERIVED ANTIVIRAL AGENTS  
 (51) Int. Cl.  
*C07D 519/00* ( 2006.01 )  
*A61K 31/554* ( 2006.01 )  
*A61P 31/20* ( 2006.01 )  
*C07D 487/10* ( 2006.01 )  
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 (72) WANG, Guoqiang; SHEN, Ruichao; MA, Jun; HE, Yong; XING, Xuechao; CAO, Hui; GAO, Xuri; PENG, Xiaowen; PANARESE, Joseph, D.; OR, Yat, Sun  
 (74) James & Wells Intellectual Property

(71) ENCORE MEDICAL, L.P. DBA DJO SURGICAL  
 (11) AU-A-2021391408  
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 (54) KNEE REPLACEMENT IMPLANT HAVING STACKABLE SPACERS  
 (51) Int. Cl.  
*A61F 2/30* ( 2006.01 )  
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 (31) 63/119,802 (32) 01.12.20 (33) US  
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 (72) GREEN, John, M., II; SMALL, Laura  
 (74) AJ PARK

(71) ENERKEM INC.  
 (11) AU-A-2021389680  
 (21) 2021389680 (22) 04.11.2021  
 (54) PROCESS FOR PRODUCTION OF ACETIC ACID AND ACRYLIC ACID FROM WASTE CARBON CONTAINING MATERIALS WITH REDUCED CARBON FOOTPRINT  
 (51) Int. Cl.  
*C07C 57/05* ( 2006.01 )  
*C07C 29/151* ( 2006.01 )  
*C07C 51/09* ( 2006.01 )  
*C07C 67/40* ( 2006.01 )  
 (87) WO2022/109716  
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 (72) LYNCH, David; KUMAR, Prashant; AHMED, Imtiaz  
 (74) Griffith Hack

(71) ENGIE  
 (11) AU-A-2021403415  
 (21) 2021403415 (22) 10.12.2021  
 (54) DEVICE AND METHOD FOR PRE-COOLING A STREAM OF GAS  
 (51) Int. Cl.  
*F25J 1/00* ( 2006.01 )  
*F25J 1/02* ( 2006.01 )  
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 (72) JALIA, Florian; HAMZA, Filali; HUBERT, Audrey  
 (74) Michael Buck IP

(71) ENI S.P.A.  
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 (54) REMOVAL OF ACID GASES FROM GASEOUS MIXTURES CONTAINING THEM  
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*B01D 53/14* ( 2006.01 )  
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 (31) 10202000028301 (32) 25.11.20 (33) IT  
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 (72) DE ANGELIS, Alberto Renato; FIORI, Gianluca; CASTALDO, Filomena  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ENTEROTRACK, LLC  
 (11) AU-A-2022205060  
 (21) 2022205060 (22) 04.01.2022  
 (54) DEVICES, METHODS AND SYSTEMS FOR SAMPLING AND ANALYZING THE GASTROINTESTINAL TRACT  
 (51) Int. Cl.  
*A61B 10/00* ( 2006.01 )  
*A61B 10/02* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/48* ( 2006.01 )  
 (87) WO2022/147536  
 (31) 63/133,712 (32) 04.01.21 (33) US  
 (43) 07.07.2022  
 (72) FRANCK, Ethan; BROWN, Jeffrey  
 (74) FPA Patent Attorneys Pty Ltd

(71) ENVOY MEDICAL CORPORATION  
 (11) AU-A-2021390456  
 (21) 2021390456 (22) 24.11.2021  
 (54) COMBINATION HEARING AID AND COCHLEAR IMPLANT SYSTEM  
 (51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*H04R 25/00* ( 2006.01 )  
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 (31) 17/109,304 (32) 02.12.20 (33) US  
 (43) 09.06.2022  
 (72) MAZANEC, Paul R.  
 (74) Spruson & Ferguson

(71) ENVOY MEDICAL CORPORATION  
 (11) AU-A-2021391396  
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 (54) COCHLEAR IMPLANT STIMULATION CALIBRATION  
 (51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
*A61N 1/02* ( 2006.01 )  
 (87) WO2022/119747  
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 (72) MAZANEC, Paul R.  
 (74) Spruson & Ferguson

(71) ENYO PHARMA  
 (11) AU-A-2021393753  
 (21) 2021393753 (22) 02.12.2021

(54) PYRROLE-TYPE COMPOUNDS AND USES THEREOF FOR TREATING VIRAL INFECTIONS  
 (51) Int. Cl.  
*C07D 403/14* ( 2006.01 )  
*A61K 31/403* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*A61P 31/16* ( 2006.01 )  
*A61P 31/18* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (72) VONDERSCHER, Jacky; DE CHASSEY, Benoît; MEYNIEL-SCHICKLIN, Laurène; MIEGE, Frédéric  
 (74) FPA Patent Attorneys Pty Ltd

(71) ENZA ZADEN BEHEER B.V.  
 (11) AU-A-2020480525  
 (21) 2020480525 (22) 10.12.2020  
 (54) CHLOROSIS RESISTANT CYTOPLASMIC MALE STERILE BRASSICA PLANTS  
 (51) Int. Cl.  
*A01H 6/20* ( 2018.01 )  
*A01H 1/00* ( 2006.01 )  
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*A01H 1/04* ( 2006.01 )  
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 (72) KOOREVAAR, Gerard Nijs; BRIGA, Roy; ROOBEEK, Ilja; DE LANGE, Brenda Johanna Maria  
 (74) Golja Haines & Friend

(71) EPIGENETICA LIMITED  
 (11) AU-A-2021391719  
 (21) 2021391719 (22) 30.11.2021  
 (54) PROCESSES, SYSTEMS AND MEDIA FOR DELIVERING A SUBSTANCE TO A PLANT  
 (51) Int. Cl.  
*C12N 15/82* ( 2006.01 )  
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 (31) 2018966.8 (32) 01.12.20 (33) GB  
 (43) 09.06.2022  
 (72) STEPHENS, Jennifer  
 (74) WRAYS PTY LTD

(71) EPIROC ROCK DRILLS AKTIEBOLAG  
 (11) AU-A-2021385230  
 (21) 2021385230 (22) 01.11.2021  
 (54) ARRANGEMENT OF CONTROLLING DRILLING PARAMETERS DURING EXTRACTION OF A DRILL STRING  
 (51) Int. Cl.  
*E21B 44/04* ( 2006.01 )  
*E21B 7/02* ( 2006.01 )  
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 (31) 2051380-0 (32) 27.11.20 (33) SE  
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 (72) MÖRTZELL, Gustav; OLSSON, Magnus  
 (74) WRAYS PTY LTD

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- (71) EPIROC ROCK DRILLS AKTIEBOLAG  
(11) AU-A-2021408910  
(21) 2021408910 (22) 30.11.2021  
(54) METHOD AND SYSTEM FOR DETECTING A STATE OF A JOINT OF A DRILL STRING  
(51) Int. Cl.  
E21B 19/16 ( 2006.01 )  
E21B 44/00 ( 2006.01 )  
E21B 47/007 ( 2012.01 )  
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(72) GÖTHBERG, Mattias; ENBLOM, Samuel  
(74) WRAYS PTY LTD
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- (71) EPITOMEE MEDICAL LTD.  
(11) AU-A-2021396641  
(21) 2021396641 (22) 02.12.2021  
(54) INTRAGASTRIC EXPANDABLE DEVICES  
(51) Int. Cl.  
A61F 5/00 ( 2006.01 )  
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(31) 63/122,235 (32) 07.12.20 (33) US  
(43) 16.06.2022  
(72) COHEN, Gil; ARTAMONOV, Valery; HASHIMSHONY, Dan  
(74) Griffith Hack
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- (71) EQUIFAX INC.  
(11) AU-A-2021379783  
(21) 2021379783 (22) 11.11.2021  
(54) EXPLAINABLE MACHINE-LEARNING MODELING USING WAVELET PREDICTOR VARIABLE DATA  
(51) Int. Cl.  
G06N 20/20 ( 2019.01 )  
G06N 5/00 ( 2023.01 )  
G06Q 10/06 ( 2023.01 )  
G06N 3/04 ( 2023.01 )  
G06N 3/08 ( 2023.01 )  
G06N 20/10 ( 2019.01 )  
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(43) 19.05.2022  
(72) DUGGER, Jeffery; WOODFORD, Terry; HAMILTON, Howard; MCBURNETT, Michael; MILLER, Stephen  
(74) FB Rice Pty Ltd
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- (71) EQUIFAX INC.  
(11) AU-A-2021383940  
(21) 2021383940 (22) 22.11.2021  
(54) CONSTRUCTING EXECUTABLE PROGRAM CODE BASED ON SEQUENCE CODES  
(51) Int. Cl.  
G06F 8/20 ( 2018.01 )  
G06F 8/30 ( 2018.01 )  
G06F 8/70 ( 2018.01 )  
G06Q 40/08 ( 2012.01 )  
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(72) CHERN, Jih-Shiang; YAN, Bo  
(74) FB Rice Pty Ltd
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- (71) ERGOSURGICAL GROUP CORP.  
(11) AU-A-2021364390  
(21) 2021364390 (22) 22.10.2021  
(54) SUTURING DEVICE  
(51) Int. Cl.  
A61B 17/04 ( 2006.01 )  
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(72) ALMODOVAR, Luis Jose  
(74) Dentons Patent Attorneys Australasia Limited
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- (71) ESCAPE THERAPEUTICS, INC.  
(11) AU-A-2021365817  
(21) 2021365817 (22) 19.10.2021  
(54) ENHANCED SKIN PERMEATION OF A NOVEL PEPTIDE VIA STRUCTURAL MODIFICATION, CHEMICAL ENHANCEMENT, AND MICRONEEDLES  
(51) Int. Cl.  
C07K 7/06 ( 2006.01 )  
A61K 38/08 ( 2019.01 )  
A61P 17/00 ( 2006.01 )  
A61Q 19/02 ( 2006.01 )  
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(72) HANTASH, Basil M.  
(74) Ashutosh Choudhary
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- (71) ESTECH A/S  
(11) AU-A-2021373306  
(21) 2021373306 (22) 05.11.2021  
(54) CO2 CAPTURE PROCESS WITH ELECTROLYTIC REGENERATION  
(51) Int. Cl.  
B01D 53/62 ( 2006.01 )  
B01D 53/78 ( 2006.01 )  
B01D 53/96 ( 2006.01 )  
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(72) JAKOBSEN, Jan Stougaard  
(74) GLMR
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- (71) ETIENNE LACROIX TOUS ARTIFICES S.A.  
(11) AU-A-2021391745  
(21) 2021391745 (22) 03.12.2021  
(54) SMOKE-PRODUCING COMPOSITIONS  
(51) Int. Cl.  
C06B 23/00 ( 2006.01 )  
C06D 3/00 ( 2006.01 )  
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(31) FR2012670 (32) 04.12.20 (33) FR  
(43) 09.06.2022  
(72) GLENAT, Cécile; POINTART, Céline; MEDUS, Dominique  
(74) FPA Patent Attorneys Pty Ltd
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- (71) EUROPEAN MOLECULAR BIOLOGY LABORATORY; BOREA THERAPEUTICS S.R.L.  
(11) AU-A-2021378075  
(21) 2021378075 (22) 11.11.2021  
(54) MODIFIED VIRAL PARTICLES FOR GENE THERAPY  
(51) Int. Cl.  
C07D 225/02 ( 2006.01 )  
(87) WO2022/101363  
(31) 63/112,457 (32) 11.11.20 (33) US  
(43) 19.05.2022  
(72) HEPPESTALL, Paul Alexander  
(74) FB Rice Pty Ltd
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- (71) EUROSPPARES DEPOT HOLDINGS PTY LTD  
(11) AU-A-2022331907  
(21) 2022331907 (22) 02.12.2022  
(54) Emergency disc brake assembly  
(51) Int. Cl.  
F16D 63/00 ( 2006.01 )  
B60T 7/12 ( 2006.01 )  
B60T 13/68 ( 2006.01 )  
B60T 13/74 ( 2006.01 )  
F16D 55/00 ( 2006.01 )  
F16D 55/226 ( 2006.01 )  
F16D 121/18 ( 2012.01 )  
F16D 125/06 ( 2012.01 )  
F16D 127/00 ( 2012.01 )  
(31) 2021903910 (32) 02.12.21 (33) AU  
(43) 22.06.2023  
(72) ALTAIR, Steven  
(74) Murray Trento & Associates Pty Ltd
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- (71) EVERFLO AUSTRALIA PTY LTD  
(11) AU-A-2021377727  
(21) 2021377727 (22) 11.11.2021  
(54) SYSTEM AND METHOD OF TREATING BRINES  
(51) Int. Cl.  
B01D 9/02 ( 2006.01 )  
B01D 9/04 ( 2006.01 )  
C01D 3/06 ( 2006.01 )  
C02F 1/22 ( 2023.01 )  
(87) WO2022/099370  
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- (71) EVOLUTION DRILL RIGS PTY LTD  
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(54) A ROD HANDLING SYSTEM FOR DRILLING RIGS  
(51) Int. Cl.  
E21B 19/15 ( 2006.01 )  
E21B 19/20 ( 2006.01 )  
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(31) 2020904294 (32) 20.11.20 (33) AU  
(43) 27.05.2022  
(72) LITTLE, Graham Patrick; FLANDERS, Keith William  
(74) Michael Buck IP

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 (51) Int. Cl.  
**B29C 44/56** ( 2006.01 )  
**B26D 3/00** ( 2006.01 )  
**C08J 9/36** ( 2006.01 )  
**B23D 53/00** ( 2006.01 )  
**B23K 26/36** ( 2014.01 )  
**B23K 26/38** ( 2014.01 )  
**B26D 1/46** ( 2006.01 )  
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 (74) AJ PARK
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- (71) EVOQUA WATER TECHNOLOGIES LLC  
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 (54) ROLLER FOR CHAIN AND SCRAPER ASSEMBLY  
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**B01D 21/20** ( 2006.01 )  
**B65G 17/38** ( 2006.01 )  
**F16G 13/02** ( 2006.01 )  
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 (72) HINDMAN, Donald W.  
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 (21) 2021363616 (22) 21.10.2021  
 (54) MODULATORS OF THE INTEGRATED STRESS RESPONSE PATHWAY  
 (51) Int. Cl.  
**C07D 413/04** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
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 (31) 20203311.4 (32) 22.10.20 (33) EP  
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 (21) 2021366303 (22) 21.10.2021  
 (54) MODULATORS OF THE INTEGRATED STRESS RESPONSE PATHWAY  
 (51) Int. Cl.  
**A61P 25/28** ( 2006.01 )
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**A61K 31/454** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
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 (51) Int. Cl.  
**A61P 25/28** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 211/60** ( 2006.01 )  
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 (72) ATTON, Holly Victoria; BROWN, Christopher John; CARR, James Lindsay; HOFMAN, Gert-Jan; SABBAH, Mohamad; WALTER, Daryl Simon  
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 (54) STABLE SYNTHETIC PHYTASE VARIANTS  
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**C12N 9/16** ( 2006.01 )  
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 (72) MICHELS, Andreas; SCHEIDIG, Andreas; HORN, Thomas; METTEN, Alexander  
 (74) WRAYS PTY LTD
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 (21) 2021380964 (22) 19.11.2021  
 (54) Mass spectrometry system and method for providing an indication of integrity of a biological sample  
 (51) Int. Cl.  
**G16B 40/10** ( 2019.01 )  
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 (11) AU-A-2021391313  
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 (54) UNIVERSAL FLUID INJECTION SYSTEM  
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**F17D 1/08** ( 2006.01 )  
**F17D 3/12** ( 2006.01 )  
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 (43) 09.06.2022  
 (72) GILMORE, Danny, Craig; GILMORE, Jeffery, Michael  
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 (54) PROCESS FOR THE PREPARATION OF A CHIRAL TRIOL  
 (51) Int. Cl.  
**C07C 29/17** ( 2006.01 )  
**C07C 33/26** ( 2006.01 )  
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 (54) NOVEL PYRIMIDIN-2-YL SULFONAMIDE DERIVATIVES  
 (51) Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 409/12** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
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 (11) AU-A-2021368257  
 (21) 2021368257 (22) 25.01.2021  
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 (51) Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**B66F 9/12** ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 38/24* ( 2006.01 )  
*A61P 15/08* ( 2006.01 )  
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 (31) 20212885.6 (32) 09.12.20 (33) EP  
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 (43) 16.06.2022  
 (72) ARCE, Joan-Carles  
 (74) Davies Collison Cave Pty Ltd
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- (71) FIDELITY INFORMATION SERVICES, LLC  
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 (21) 2021383742 (22) 17.11.2021  
 (54) SYSTEMS AND METHODS FOR CONFIDENCE INTERVAL TRANSACTION SETTLEMENT RANGE PREDICTIONS  
 (51) Int. Cl.  
*G06E 1/00* ( 2006.01 )  
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 (72) TANTUM, Daniel; DING, Minming; JI, Ying; PAN, Xiaodan; DALEY, Sean; SCHARHAG, Andrew; POND, Matthew; SHIELDS, Michael  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2021387911 (22) 23.11.2021  
 (54) REAL-TIME ONLINE TRANSACTIONAL PROCESSING SYSTEMS AND METHODS  
 (51) Int. Cl.  
*G06Q 20/00* ( 2012.01 )  
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 (31) 17/103,818 (32) 24.11.20 (33) US  
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 (72) DILL, Lisa; MORRISON, Lauren; GARRETT, Jeanette  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021368614  
 (21) 2021368614 (22) 29.10.2021  
 (54) HEADGEAR, INTERFACE AND AN ASSEMBLY  
 (51) Int. Cl.  
*A61M 16/06* ( 2006.01 )  
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 (72) HENSMAN, Sally Margaret; DIXON, Freya Refilwe; SOMERVILLE, Jemma Tamsin  
 (74) Allens Patent & Trade Mark Attorneys
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 (21) 2021375372 (22) 29.10.2021  
 (54) METHOD FOR PRODUCING CALCINED CLAY  
 (51) Int. Cl.  
*C04B 7/12* ( 2006.01 )  
*C04B 14/10* ( 2006.01 )  
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 (72) CHARMET, Jean-Michel  
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 (21) 2021388154 (22) 24.11.2021  
 (54) ADIPOGENIC CELL COMPOSITIONS AND METHODS  
 (51) Int. Cl.  
*A61K 35/12* ( 2015.01 )  
*A61K 35/28* ( 2015.01 )  
*A61K 35/35* ( 2015.01 )  
*A61L 27/00* ( 2006.01 )  
*A61P 17/00* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
 (87) WO2022/115609  
 (31) 63/118,226 (32) 25.11.20 (33) US  
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 (11) AU-A-2021380736  
 (21) 2021380736 (22) 10.11.2021  
 (54) ADAPTIVE POLLING SYSTEM AND METHOD  
 (51) Int. Cl.  
*H02J 4/00* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (87) WO2022/103888  
 (31) 17/094,740 (32) 10.11.20 (33) US  
 (43) 19.05.2022  
 (72) GRUNKEMEYER, Brian; MCCARTY, Laura  
 (74) GLMR
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- (71) FLEXCHARGING, INC.  
 (11) AU-A-2021380737  
 (21) 2021380737 (22) 10.11.2021  
 (54) DEMAND FLEXIBILITY OPTIMIZING SCHEDULER FOR EV CHARGING AND CONTROLLING APPLIANCES  
 (51) Int. Cl.  
*G06Q 50/06* ( 2012.01 )  
*H02J 3/00* ( 2006.01 )
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- H02J 3/14* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
 (87) WO2022/103889  
 (31) 17/094,739 (32) 10.11.20 (33) US  
 (43) 19.05.2022  
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 (11) AU-A-2021380091  
 (21) 2021380091 (22) 04.11.2021  
 (54) FLOOR PANEL AND METHOD FOR MANUFACTURING A FLOOR PANEL.  
 (51) Int. Cl.  
*E04F 15/02* ( 2006.01 )  
*B32B 27/06* ( 2006.01 )  
*B44C 5/04* ( 2006.01 )  
*E04F 15/10* ( 2006.01 )  
 (87) WO2022/101743  
 (31) 20206709.6 (32) 10.11.20 (33) EP  
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 (21) 2021384746 (22) 31.03.2021  
 (54) HYDROSTATICALLY ADJUSTABLE VALVE AND ASSOCIATED SYSTEM  
 (51) Int. Cl.  
*G05D 7/01* ( 2006.01 )  
*F16K 15/06* ( 2006.01 )  
*F16K 17/06* ( 2006.01 )  
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 (31) 16/953,998 (32) 20.11.20 (33) US  
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 (21) 2021383227 (22) 16.11.2021  
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 (51) Int. Cl.  
*C07D 417/12* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
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 (72) TAN, Haohan; LIU, Qihong; WANG, Yunling; JIANG, Lihua; LIN, Shu; ZHAO, Xingdong; WANG, Weibo  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) FOLLICUM AB; UNIVERSITY OF BRADFORD  
 (11) AU-A-2021369462

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**(54)** PEPTIDES FOR USE IN SKIN AND HAIR PIGMENTATION  
**(51)** Int. Cl.  
**A61K 38/06** ( 2006.01 )  
**A61K 8/64** ( 2006.01 )  
**A61K 38/07** ( 2006.01 )  
**A61K 38/10** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**C07K 5/083** ( 2006.01 )  
**C07K 5/10** ( 2006.01 )  
**C07K 5/11** ( 2006.01 )  
**C07K 7/00** ( 2006.01 )  
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**(31)** 20204350.1 (32) 28.10.20 (33) EP  
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**(74)** FB Rice Pty Ltd
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**(21)** 2020475551 (22) 05.11.2020  
**(54)** SUSPENSION SYSTEM WITH COMPREHENSIVE PITCH STABILITY CONTROL  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(87)** WO2022/098357  
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**(72)** OTTEN, Erik  
**(74)** Griffith Hack
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**(11)** AU-A-2021386876  
**(21)** 2021386876 (22) 25.08.2021  
**(54)** A PERIMETER SAFETY SCREEN ASSEMBLY  
**(51)** Int. Cl.  
**E04G 21/32** ( 2006.01 )  
**(87)** WO2022/109653  
**(31)** 2020904397 (32) 27.11.20 (33) AU  
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**(72)** ROSATI, Wasył  
**(74)** Madderns Pty Ltd
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**(11)** AU-A-2021364536  
**(21)** 2021364536 (22) 19.10.2021  
**(54)** METHOD AND APPARATUS FOR CONTROLLING FLUID VOLUMES TO ACHIEVE SEPARATION AND PCR AMPLIFICATION  
**(51)** Int. Cl.  
**F04B 9/04** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
**A61M 5/145** ( 2006.01 )  
**F04B 7/00** ( 2006.01 )  
**F04B 9/02** ( 2006.01 )  
**F04B 43/00** ( 2006.01 )  
**(87)** WO2022/086981  
**(31)** 63/093,640 (32) 19.10.20 (33) US  
**(43)** 28.04.2022  
**(72)** YAMANA, Kabir; HERRERA, Jack; LINDBLOM, Rasmus  
**(74)** GLMR
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**(11)** AU-A-2021364539  
**(21)** 2021364539 (22) 19.10.2021  
**(54)** DISPOSABLE CARTRIDGE FOR REAGENT STORAGE SYSTEMS AND METHODS USING THE SAME  
**(51)** Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**C12Q 1/00** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )  
**(87)** WO2022/086989  
**(31)** 63/093,640 (32) 19.10.20 (33) US  
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**(72)** YAMANA, Kabir; NILSSON, Michael  
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**(11)** AU-A-2021364540  
**(21)** 2021364540 (22) 19.10.2021  
**(54)** APPARATUSES WITH FLUIDIC CHANNEL GEOMETRIES FOR SAMPLE TO ANSWER PCR ANALYSIS AND METHODS OF USING SAME  
**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**C12Q 1/6806** ( 2018.01 )  
**C12Q 1/6834** ( 2018.01 )  
**C12Q 1/686** ( 2018.01 )  
**C12Q 1/6874** ( 2018.01 )  
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**(72)** YAMANA, Kabir; NILSSON, Michael  
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**(21)** 2021365806 (22) 19.10.2021  
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**B01L 3/00** ( 2006.01 )  
**C12Q 1/686** ( 2018.01 )  
**(87)** WO2022/086987  
**(31)** 63/093,640 (32) 19.10.20 (33) US  
**(43)** 28.04.2022  
**(72)** LINDBLOM, Rasmus; NILSSON, Michael  
**(74)** GLMR
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- (71)** FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.  
**(11)** AU-A-2021359779  
**(21)** 2021359779 (22) 12.10.2021  
**(54)** APPARATUS AND METHOD FOR ENCODING A PLURALITY OF AUDIO OBJECTS AND APPARATUS AND METHOD FOR DECODING USING TWO OR MORE RELEVANT AUDIO OBJECTS  
**(51)** Int. Cl.
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- G10L 19/008** ( 2013.01 )  
**(87)** WO2022/079049  
**(31)** 20201633.3 (32) 13.10.20 (33) EP  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2021375295  
**(21)** 2021375295 (22) 05.11.2021  
**(54)** VEHICLES AND METHOD FOR OPERATING SAME USING DECENTRALIZED COMMUNICATION  
**(51)** Int. Cl.  
**H04L 67/12** ( 2022.01 )  
**H04L 67/104** ( 2022.01 )  
**H04L 67/125** ( 2022.01 )  
**H04L 67/52** ( 2022.01 )  
**H04W 4/024** ( 2018.01 )  
**H04W 4/40** ( 2018.01 )  
**H04W 4/46** ( 2018.01 )  
**(87)** WO2022/096652  
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**(74)** Spruson & Ferguson
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**(11)** AU-A-2021392870  
**(21)** 2021392870 (22) 30.11.2021  
**(54)** 2'-FUCOSYLLACTOSE FOR USE IN STIMULATING F. PRAUSNITZII ABUNDANCE  
**(51)** Int. Cl.  
**A23L 33/125** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 31/702** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 3/02** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
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**(31)** 20211089.6 (32) 01.12.20 (33) EP  
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**(72)** NAUTA, Arjen  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021395751  
**(21)** 2021395751 (22) 07.12.2021  
**(54)** PROCESS FOR PRODUCING A NUTRITIONAL PRODUCT COMPRISING WHEY PROTEIN AND OLIGOSACCHARIDE  
**(51)** Int. Cl.

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

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**A23C 21/06** ( 2006.01 )  
**A23J 1/20** ( 2006.01 )  
**A23J 3/08** ( 2006.01 )  
**A23J 3/34** ( 2006.01 )  
**A23L 2/66** ( 2006.01 )  
**A23L 33/175** ( 2016.01 )  
**A23L 33/19** ( 2016.01 )  
**(87)** WO2022/122751  
**(31)** 20212499.6 **(32)** 08.12.20 **(33)** EP  
**(43)** 16.06.2022  
**(72)** MALLEE, Leon Franciscus  
**(74)** Spruson & Ferguson
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- (71)** FRIESLANDCAMPINA NEDERLAND B.V.  
**(11)** AU-A-2021399050  
**(21)** 2021399050 **(22)** 15.12.2021  
**(54)** SYNTHETIC COMPOSITIONS COMPRISING LNFP III AND LSTA  
**(51)** Int. Cl.  
**A23L 33/125** ( 2016.01 )  
**A23L 33/00** ( 2016.01 )  
**A61K 31/702** ( 2006.01 )  
**A61K 31/715** ( 2006.01 )  
**A61K 31/738** ( 2006.01 )  
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**(31)** 20214739.3 **(32)** 16.12.20 **(33)** EP  
**(43)** 23.06.2022  
**(72)** TRIANTIS, Vassilios  
**(74)** Spruson & Ferguson
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- (71)** FRONIUS INTERNATIONAL GMBH  
**(11)** AU-A-2021388896  
**(21)** 2021388896 **(22)** 25.11.2021  
**(54)** MONITORING DEVICE FOR EMERGENCY STANDBY OPERATION  
**(51)** Int. Cl.  
**G01R 27/18** ( 2006.01 )  
**G01R 31/42** ( 2006.01 )  
**H02H 3/16** ( 2006.01 )  
**H02S 50/10** ( 2014.01 )  
**(87)** WO2022/112393  
**(31)** 20210023.6 **(32)** 26.11.20 **(33)** EP  
**(43)** 02.06.2022  
**(72)** JUNGREITHMAIR, Roland; WIESER, Stefan; WOLF, Martin; DOPPEL-BAUER, Bernhard  
**(74)** FB Rice Pty Ltd
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- (71)** FUDAN UNIVERSITY; BIOTROY THERAPEUTICS  
**(11)** AU-A-2021371709  
**(21)** 2021371709 **(22)** 29.10.2021  
**(54)** USE OF REGULATOR OF ITPRIPL1 IN PREPARATION OF DRUG THAT REGULATES IMMUNE RESPONSES OR FIGHTS TUMORS  
**(51)** Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(87)** WO2022/089557  
**(31)** 202011191447.3 **(32)** 30.10.20 **(33)** CN  
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**(72)** XU, Jie; DENG, Shouyan; SONG, Teng; WANG, Yiting; WANG, Yungang; WANG, Huanbin; CHI, Hao  
**(74)** Madderns Pty Ltd
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- (71)** FUJIFILM BUSINESS INNOVATION CORP.  
**(11)** AU-A-2021428773  
**(21)** 2021428773 **(22)** 09.07.2021  
**(54)** DETECTION DEVICE AND IMAGE FORMATION DEVICE  
**(51)** Int. Cl.  
**B65H 7/14** ( 2006.01 )  
**B41J 2/01** ( 2006.01 )  
**G03G 21/00** ( 2006.01 )  
**G03G 21/16** ( 2006.01 )  
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**(43)** 25.08.2022  
**(72)** SUZUKI Hiroyuki; OTSUKI Naohito; KOIZUMI Takehiko; CHINO Yuta  
**(74)** Spruson & Ferguson
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- (71)** FUJIFILM CORPORATION; ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS  
**(11)** AU-A-2021381011  
**(21)** 2021381011 **(22)** 17.11.2021  
**(54)** GENERATION OF SECRETOME-CONTAINING COMPOSITIONS, AND METHODS OF USING AND ANALYZING THE SAME  
**(51)** Int. Cl.  
**C12N 5/077** ( 2010.01 )  
**C12N 5/0775** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**(87)** WO2022/106889  
**(31)** 63/115,230 **(32)** 18.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** RENAULT, Nisa, K. E.; HAMRICK, Michele, L.; KOONCE, Chad; MENASCHE, Philippe; BEL-LAMY, Valerie; HUMBERT, Camille; CHURLAUD, Guillaume; LARGHERO, Jerome  
**(74)** Griffith Hack
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- (71)** FUJIFILM CORPORATION  
**(11)** AU-A-2021384009  
**(21)** 2021384009 **(22)** 17.11.2021  
**(54)** METHODS AND ASSAYS FOR ANALYZING SECRETOME-CONTAINING COMPOSITIONS  
**(51)** Int. Cl.  
**C12Q 1/02** ( 2006.01 )  
**(87)** WO2022/106890  
**(31)** 63/115,242 **(32)** 18.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** RENAULT, Nisa, K.E.; HAMRICK, Michele, L.; CARLSON, Coby; LIVINGSTON, Megan  
**(74)** Griffith Hack
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- (71)** FUJIKURA LTD.  
**(11)** AU-A-2021365659  
**(21)** 2021365659 **(22)** 06.07.2021
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- (54)** OPTICAL FIBER CABLE  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**(87)** WO2022/085244  
**(31)** 2020-175527 **(32)** 19.10.20 **(33)** JP  
**(43)** 28.04.2022  
**(72)** MIYATA, Miku; MURATA, Akira  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** FUJIKURA LTD.  
**(11)** AU-A-2021365910  
**(21)** 2021365910 **(22)** 06.07.2021  
**(54)** OPTICAL FIBER CABLE  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
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**(31)** 2020-175528 **(32)** 19.10.20 **(33)** JP  
**(43)** 28.04.2022  
**(72)** MIYATA, Miku; MURATA, Akira  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** FUJITSU LIMITED  
**(11)** AU-A-2021417923  
**(21)** 2021417923 **(22)** 08.01.2021  
**(54)** INFORMATION PROCESSING PROGRAM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING DEVICE  
**(51)** Int. Cl.  
**G06F 8/75** ( 2018.01 )  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2022/149252  
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**(72)** KATAOKA, Masahiro; NAKANO, Daichi; MUKADE, Yuto; ONOUE, Satoshi  
**(74)** Spruson & Ferguson
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- (71)** FULCRUM GLOBAL TECHNOLOGIES INC.  
**(11)** AU-A-2021364331  
**(21)** 2021364331 **(22)** 15.10.2021  
**(54)** SYSTEMS AND METHODS FOR ENABLING RELEVANT DATA TO BE EXTRACTED FROM A PLURALITY OF DOCUMENTS  
**(51)** Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**G06F 16/93** ( 2019.01 )  
**G06V 10/82** ( 2022.01 )  
**G06V 30/19** ( 2022.01 )  
**G06V 30/414** ( 2022.01 )  
**(87)** WO2022/086813  
**(31)** 63/093,425 **(32)** 19.10.20 **(33)** US  
 17/501,681 14.10.21 US  
**(43)** 28.04.2022  
**(72)** SHAABAN, Ahmed, Farouk; THANDRA, Venkat; ELIOPULOS, Dino; BLAZAITIS, Andrew, Kenneth; MUTHUKRISHNAN, Kennedy  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** FULLER, D.L.  
**(11)** AU-A-2021369751  
**(21)** 2021369751 **(22)** 01.11.2021  
**(54)** FLUID APPLICATION DEVICE  
**(51)** Int. Cl.  
**A01M 21/04** ( 2006.01 )



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**B05C 1/08** ( 2006.01 )  
**B05C 17/02** ( 2006.01 )  
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**(31)** 63/108,356 **(32)** 01.11.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** FULLER, Darrell, Lee  
**(74)** Patent Attorney Services
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- (71)** FUNDACIÓ EURECAT  
**(11)** AU-A-2021375294  
**(21)** 2021375294 **(22)** 05.11.2021  
**(54)** APPARATUS AND METHOD FOR POWDER SPHEROIDISATION BY MICROWAVE-INDUCED PLASMA  
**(51)** Int. Cl.  
**H05H 1/46** ( 2006.01 )  
**(87)** WO2022/096647  
**(31)** 20382965.0 **(32)** 06.11.20 **(33)** EP  
**(43)** 12.05.2022  
**(72)** RUIZ RODRÍGUEZ, Alberto; PLANTA TORRALBA, Francisco Javier; CAM-INATI, Raffaele  
**(74)** Griffith Hack
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- (71)** FUTURE MEDICINE CO., LTD.  
**(11)** AU-A-2021385389  
**(21)** 2021385389 **(22)** 24.11.2021  
**(54)** EX-VIVO LIVER DISEASE MODEL USING TRIPLE CO-CULTURE AND CONSTRUCTION METHOD THEREFOR  
**(51)** Int. Cl.  
**C12N 5/00** ( 2006.01 )  
**C12M 1/12** ( 2006.01 )  
**C12M 3/00** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
**(87)** WO2022/114747  
**(31)** 10-2020-0161490 **(32)** 26.11.20 **(33)** KR  
**(43)** 02.06.2022  
**(72)** CHOI, Yoon Pyo; SEO, Seong Wook; AHN, Sang Yeop; PARK, Da In; LEE, Myeong Hoon  
**(74)** FB Rice Pty Ltd
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- (71)** GA HEALTH MEDICAL DEVICES LIMITED  
**(11)** AU-A-2021366293  
**(21)** 2021366293 **(22)** 20.10.2021  
**(54)** A CONNECTOR TO FLUIDICALLY CONNECT A MEDICAL DEVICE WITH AIR AND WATER TUBES  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 1/12** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**A61M 3/02** ( 2006.01 )  
**(87)** WO2022/084418  
**(31)** 20202925.2 **(32)** 20.10.20 **(33)** EP  
**(43)** 28.04.2022  
**(72)** CHAU, Steven  
**(74)** Madderns Pty Ltd
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- (71)** GANYMED ROBOTICS  
**(11)** AU-A-2021395405  
**(21)** 2021395405 **(22)** 08.12.2021  
**(54)** SYSTEM AND METHOD FOR ASSISTING ORTHOPEADICS SURGERIES  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 17/15** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61B 34/10** ( 2016.01 )  
**(87)** WO2022/122803  
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**(43)** 16.06.2022  
**(72)** PETER, Loïc; LOY RODAS, Nicolas; DECROUEZ, Marion  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** GAPS TECHNOLOGY, LLC  
**(11)** AU-A-2022269010  
**(21)** 2022269010 **(22)** 06.05.2022  
**(54)** HYDROCARBON LIQUID BASED CHEMICAL COMPOSITIONS AND TREATMENT METHODS USING SAME FOR REMEDIATING H2S AND OTHER CONTAMINANTS IN FLUIDS AND MIXTURES OF CONTAMINATED FLUIDS  
**(51)** Int. Cl.  
**B01D 19/00** ( 2006.01 )  
**C02F 1/66** ( 2023.01 )  
**C10G 19/02** ( 2006.01 )  
**(87)** WO2022/236110  
**(31)** 63/185,808 **(32)** 07.05.21 **(33)** US  
 63/293,471 23.12.21 US  
**(43)** 10.11.2022  
**(72)** ROE, Clifton, Lee  
**(74)** Mann IP
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- (71)** GAPS TECHNOLOGY, LLC  
**(11)** AU-A-2022271313  
**(21)** 2022271313 **(22)** 09.05.2022  
**(54)** CHEMICAL COMPOSITIONS AND METHODS OF USING SAME FOR REMEDIATING SULFUR-CONTAINING COMPOSITIONS AND OTHER CONTAMINANTS IN FLUIDS  
**(51)** Int. Cl.  
**B01D 19/00** ( 2006.01 )  
**C02F 1/50** ( 2023.01 )  
**C10G 19/02** ( 2006.01 )  
**(87)** WO2022/236186  
**(31)** 63/185,808 **(32)** 07.05.21 **(33)** US  
**(43)** 10.11.2022  
**(72)** ROE, Clifton, Lee; SCHWEITZER, Linda  
**(74)** Mann IP
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- (71)** GAUDIO LAB, INC.  
**(11)** AU-A-2021385196  
**(21)** 2021385196 **(22)** 24.11.2021  
**(54)** METHOD FOR NORMALIZING AUDIO SIGNAL, AND DEVICE THEREFOR  
**(51)** Int. Cl.  
**G10L 19/16** ( 2013.01 )  
**G10L 19/002** ( 2013.01 )  
**G10L 21/02** ( 2013.01 )  
**G11B 20/10** ( 2006.01 )  
**H03G 3/20** ( 2006.01 )  
**H04N 21/233** ( 2011.01 )  
**(87)** WO2022/114787  
**(31)** 10-2020-0159371 **(32)** 24.11.20 **(33)** KR  
 10-2020-0159372 24.11.20 KR
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- (43)** 02.06.2022  
**(72)** CHUNG, Hyunjoo; OH, Hyunoh; CHON, Sangbae; SEO, Jeonghun  
**(74)** AJ PARK
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- (71)** GC GENOME CORPORATION; AIMA CO.,LTD.  
**(11)** AU-A-2021387426  
**(21)** 2021387426 **(22)** 15.11.2021  
**(54)** ARTIFICIAL-INTELLIGENCE-BASED CANCER DIAGNOSIS AND CANCER TYPE PREDICTION METHOD  
**(51)** Int. Cl.  
**G16B 40/20** ( 2019.01 )  
**C12Q 1/6869** ( 2018.01 )  
**G06N 3/04** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
**G16B 30/10** ( 2019.01 )  
**G16B 35/10** ( 2019.01 )  
**G16B 35/20** ( 2019.01 )  
**G16H 50/50** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
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**(31)** 10-2020-0162183 **(32)** 27.11.20 **(33)** KR  
**(43)** 02.06.2022  
**(72)** KI, Chang-Seok; CHO, Eun-Hae; LEE, Junnam; AHN, Jin Mo; SOHN, Joohyuk; KIM, Gun Min; KIM, Min Hwan  
**(74)** FB Rice Pty Ltd
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- (71)** GELION TECHNOLOGIES PTY LTD  
**(11)** AU-A-2021362763  
**(21)** 2021362763 **(22)** 08.10.2021  
**(54)** COMPOSITE MATERIAL FOR LITHIUM SULFUR CELLS  
**(51)** Int. Cl.  
**H01M 4/36** ( 2006.01 )  
**H01M 4/38** ( 2006.01 )  
**H01M 4/58** ( 2010.01 )  
**H01M 4/583** ( 2010.01 )  
**H01M 4/587** ( 2010.01 )  
**H01M 4/60** ( 2006.01 )  
**H01M 4/62** ( 2006.01 )  
**(87)** WO2022/079417  
**(31)** 2016256.6 **(32)** 13.10.20 **(33)** GB  
**(43)** 21.04.2022  
**(72)** LLOYD, Ben  
**(74)** Spruson & Ferguson
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- (71)** GENENTECH, INC.  
**(11)** AU-A-2021392630  
**(21)** 2021392630 **(22)** 30.11.2021  
**(54)** METHODS AND COMPOSITIONS FOR NEOADJUVANT AND ADJUVANT UROTHELIAL CARCINOMA THERAPY  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2022/119830  
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**(72)** MARIATHASAN, Sanjeev; YUEN, Chi Yung; ASSAF, Zoe June Fergusson; BAIS, Carlos Ernesto; BANCHEREAU, Romain Francois  
**(74)** Griffith Hack

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 (54) METHODS OF TREATMENT OF LIVER FAILURE  
 (51) Int. Cl.  
*A61K 31/426* ( 2006.01 )  
*A61K 31/7056* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 7/10* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) GENIUS WATTER S.R.L.  
 (11) AU-A-2021389057  
 (21) 2021389057 (22) 23.11.2021  
 (54) A DESALINATION PLANT  
 (51) Int. Cl.  
*B01D 61/02* ( 2006.01 )  
*B01D 61/12* ( 2006.01 )  
*C02F 1/44* ( 2023.01 )  
*C02F 103/08* ( 2006.01 )  
 (87) WO2022/112940  
 (31) 102020000028553 (32) 26.11.20 (33) IT  
 (43) 02.06.2022  
 (72) TRAVERSO, Franco; TRAVERSO, Dario  
 (74) A.P.T. Patent and Trade Mark Attorneys
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 (11) AU-A-2021393908  
 (21) 2021393908 (22) 07.12.2021  
 (54) ANTIBODY AND TAXANE COMBINATION THERAPY  
 (51) Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*A61K 31/337* ( 2006.01 )  
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*C07K 16/28* ( 2006.01 )  
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 (31) 63/122,042 (32) 07.12.20 (33) US  
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 (74) Griffith Hack
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- (71) GENNAO BIO, INC.; YALE UNIVERSITY; QUIJANO, E.; GLAZER, P.; TURNER, B.; SQUINTO, S.  
 (11) AU-A-2021390561  
 (21) 2021390561 (22) 06.12.2021
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 (51) Int. Cl.  
*C07H 21/04* ( 2006.01 )  
*A61K 31/7088* ( 2006.01 )  
*A61K 31/713* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/44* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
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 (31) 63/121,782 (32) 04.12.20 (33) US  
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 (43) 09.06.2022  
 (72) QUIJANO, Elias; GLAZER, Peter; TURNER, Bruce; SQUINTO, Stephen  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021393076  
 (21) 2021393076 (22) 26.11.2021  
 (54) COMPUTER-IMPLEMENTED METHOD AND APPARATUS FOR ANALYSING GENETIC DATA  
 (51) Int. Cl.  
*G16B 20/00* ( 2019.01 )  
*G16B 20/40* ( 2019.01 )  
*G16B 40/00* ( 2019.01 )  
 (87) WO2022/117996  
 (31) 2018904.9 (32) 01.12.20 (33) GB  
 (43) 09.06.2022  
 (72) MOORE, Rachel; PLAGNOL, Vincent Yann Marie; RIVEROS-MCKAY, Fernando; WEALE, Michael; WELLS, Daniel; SPENCER, Christopher Charles Alan  
 (74) James & Wells Intellectual Property
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 (54) COMPUTER-IMPLEMENTED METHOD AND APPARATUS FOR ANALYSING GENETIC DATA  
 (51) Int. Cl.  
*G16B 20/00* ( 2019.01 )  
*G16B 40/00* ( 2019.01 )  
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 (31) 2018905.6 (32) 01.12.20 (33) GB  
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 (72) MOORE, Rachel; PLAGNOL, Vincent Yann Marie; WEALE, Michael; WELLS, Daniel; SPENCER, Christopher Charles Alan  
 (74) James & Wells Intellectual Property
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 (11) AU-A-2021386895  
 (21) 2021386895 (22) 23.11.2021  
 (54) PHYSICAL CHARACTERIZATION OF TELOMERES  
 (51) Int. Cl.  
*C12Q 1/6818* ( 2018.01 )  
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 (31) 63/118,314 (32) 25.11.20 (33) US
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 (74) Spruson & Ferguson
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 (11) AU-A-2021386388  
 (21) 2021386388 (22) 24.11.2021  
 (54) HELMET ACCESSORY MOUNTING SYSTEM  
 (51) Int. Cl.  
*A42B 3/04* ( 2006.01 )  
 (87) WO2022/115531  
 (31) 63/118,510 (32) 25.11.20 (33) US  
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- (71) GENTEX CORPORATION  
 (11) AU-A-2021396419  
 (21) 2021396419 (22) 24.11.2021  
 (54) LATTICE STRUCTURE FOR IMPACT ATTENUATION  
 (51) Int. Cl.  
*A42B 3/12* ( 2006.01 )  
*A42B 3/06* ( 2006.01 )  
*B32B 3/12* ( 2006.01 )  
 (87) WO2022/125311  
 (31) 63/118,483 (32) 25.11.20 (33) US  
 (43) 16.06.2022  
 (72) WEBER, John, B.; CASPE, Russell, J.  
 (74) Spruson & Ferguson
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 (11) AU-A-2021387987  
 (21) 2021387987 (22) 24.11.2021  
 (54) VISUALIZATION OF ENERGY DOMAIN DATA  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
*G06F 40/18* ( 2020.01 )  
 (87) WO2022/115514  
 (31) 63/118,223 (32) 25.11.20 (33) US  
 (43) 02.06.2022  
 (72) CLEMENS, Werner; VOGT, Christian  
 (74) Griffith Hack
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- (71) GEORGIA TECH RESEARCH CORPORATION  
 (11) AU-A-2021387667  
 (21) 2021387667 (22) 08.11.2021  
 (54) SYSTEMS AND METHODS FOR MEASURING HEMODYNAMIC PARAMETERS WITH WEARABLE CARDIOVASCULAR SENSING  
 (51) Int. Cl.  
*A61B 5/0205* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 5/0245* ( 2006.01 )  
*A61B 5/026* ( 2006.01 )  
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(54) AN EXERCISE DEVICE AND METHODS THEREFOR  
(51) Int. Cl.  
A63B 21/00 ( 2006.01 )  
A63B 22/00 ( 2006.01 )  
A63B 23/00 ( 2006.01 )  
A63B 24/00 ( 2006.01 )  
H04N 21/2187 ( 2011.01 )  
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(72) GILCHRIST, Adam  
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(54) METHODS OF IDENTIFYING HIV PATIENTS SENSITIVE TO THERAPY WITH gp120 CD4 BINDING SITE-DIRECTED ANTIBODIES  
(51) Int. Cl.  
C12Q 1/70 ( 2006.01 )  
A61K 39/42 ( 2006.01 )  
A61P 31/18 ( 2006.01 )  
G01N 33/569 ( 2006.01 )  
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(54) PROCESSES AND INTERMEDIATES FOR PREPARING MACROCYCLIC MCL1 INHIBITORS  
(51) Int. Cl.  
C07C 255/59 ( 2006.01 )  
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C07C 217/86 ( 2006.01 )  
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C07D 267/12 ( 2006.01 )  
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(54) COMPOSITION  
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C11B 3/00 ( 2006.01 )  
A23C 11/02 ( 2006.01 )  
A23D 7/005 ( 2006.01 )  
A23D 7/01 ( 2006.01 )  
A23L 29/00 ( 2016.01 )  
A23L 29/10 ( 2016.01 )  
C09K 23/00 ( 2022.01 )  
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A23L 2/56 ( 2006.01 )  
A23J 1/00 ( 2006.01 )  
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(54) COMPOSITIONS AND METHODS FOR TASTE MODULATION  
(51) Int. Cl.  
A23L 2/60 ( 2006.01 )  
A23L 27/30 ( 2016.01 )  
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(51) Int. Cl.  
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A61P 3/12 ( 2006.01 )  
A61P 9/00 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
C07F 9/6561 ( 2006.01 )  
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(54) METHODS FOR CELL ACTIVATION, TRANSDUCTION AND EXPANSION  
(51) Int. Cl.  
C12M 3/00 ( 2006.01 )  
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G06N 10/20 ( 2022.01 )  
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H01R 13/627 ( 2006.01 )  
F16B 7/04 ( 2006.01 )  
G02B 6/38 ( 2006.01 )  
H01R 4/38 ( 2006.01 )  
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C12N 5/078 ( 2010.01 )  
A61K 35/17 ( 2015.01 )  
A61P 35/00 ( 2006.01 )  
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C12N 15/113 ( 2010.01 )  
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B65D 5/10 ( 2006.01 )  
B65D 5/50 ( 2006.01 )  
B65D 5/72 ( 2006.01 )  
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B65D 5/02 ( 2006.01 )  
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(54) RECOIL SIMULATION DEVICE
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H05K 7/20 ( 2006.01 )  
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E03C 1/06 ( 2006.01 )  
A47K 3/28 ( 2006.01 )  
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(54) STIFFENING APPARATUS  
(51) Int. Cl.  
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E04B 1/58 ( 2006.01 )  
E04B 9/18 ( 2006.01 )  
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(54) A PUMP MONITORING SYSTEM AND METHOD FOR ASSOCIATING A CURRENT OPERATING STATE OF A

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**(51)** Int. Cl.  
**F04D 15/00** ( 2006.01 )  
**F04D 13/12** ( 2006.01 )  
**F04D 13/14** ( 2006.01 )  
**F04D 15/02** ( 2006.01 )  
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**(11)** AU-A-2021408684  
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**(54)** AROMATIC HETEROCYCLIC COMPOUND, PHARMACEUTICAL COMPOSITION AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 401/00** ( 2006.01 )  
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**(21)** 2021386438 **(22)** 30.11.2021  
**(54)** ACCESS POINT, STATION, AND WIRELESS COMMUNICATION METHOD  
**(51)** Int. Cl.  
**H04W 16/06** ( 2009.01 )  
**H04W 72/04** ( 2023.01 )  
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**(72)** HUANG, Lei  
**(74)** Davies Collison Cave Pty Ltd
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**(54)** METHODS AND APPARATUSES FOR SOLICITING TRIGGER-BASED PHYSICAL LAYER PROTOCOL DATA UNIT TRANSMISSION IN WIRELESS LOCAL AREA NETWORK  
**(51)** Int. Cl.
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**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2021368986 **(22)** 22.10.2021  
**(54)** ARTIFICIAL DIELECTRIC MATERIAL AND FOCUSING LENSES MADE OF IT  
**(51)** Int. Cl.  
**H01Q 15/02** ( 2006.01 )  
**H01Q 1/38** ( 2006.01 )  
**H01Q 15/04** ( 2006.01 )  
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**(74)** Madderns Pty Ltd
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**(54)** LATERAL LOCATING ASSEMBLY FOR LATERAL INTERVENTION  
**(51)** Int. Cl.  
**E21B 7/06** ( 2006.01 )  
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**E21B 43/14** ( 2006.01 )  
**(87)** WO2022/173441  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(54)** AGONISTS OF FREE FATTY ACID RECEPTOR 1 AND THEIR USE IN DISEASES ASSOCIATED WITH SAID RECEPTOR  
**(51)** Int. Cl.  
**C07D 413/12** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
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**(21)** 2021376241 **(22)** 29.10.2021  
**(54)** NOVEL BIFUNCTIONAL MULTISPECIFIC ANTAGONISTS CAPABLE OF INHIBITING MULTIPLE LIGANDS OF TGF-BETA FAMILY AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**C07K 14/71** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**(87)** WO2022/098570  
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**(51)** Int. Cl.  
**A61P 19/08** ( 2006.01 )  
**A61P 19/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/103660  
**(31)** 63/113,922 **(32)** 15.11.20 **(33)** US  
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**(43)** 19.05.2022  
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**(11)** AU-A-2021407012  
**(21)** 2021407012 **(22)** 21.12.2021  
**(54)** CRYSTAL FORM OF CASEIN KINASE 1ε INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/135412  
**(31)** 202011531258.6 **(32)** 22.12.20 **(33)** CN  
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**(11)** AU-A-2021435434  
**(21)** 2021435434 **(22)** 22.03.2021

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 (51) Int. Cl.  
*B25H 1/02* ( 2006.01 )  
*B25H 1/08* ( 2006.01 )  
*B25H 1/14* ( 2006.01 )  
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 (54) ELECTRONIC SHELF LABEL POSITIONING SYSTEM AND METHOD, ELECTRONIC SHELF LABEL AND GUIDE RAIL  
 (51) Int. Cl.  
*G06K 17/00* ( 2006.01 )  
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*C01G 45/10* ( 2006.01 )  
*C01G 51/10* ( 2006.01 )  
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*H01H 33/59* ( 2006.01 )  
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*B24B 7/18* ( 2006.01 )  
*G01B 11/30* ( 2006.01 )  
*G01K 13/00* ( 2021.01 )  
*G01N 27/22* ( 2006.01 )  
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*G01S 17/08* ( 2006.01 )  
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*G05B 19/4065* ( 2006.01 )  
*G05B 19/416* ( 2006.01 )  
 (87) WO2022/132020  
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 2150217-4 01.03.21 SE  
 (43) 23.06.2022  
 (72) OTTOSSON, Linus; JÖNSSON, Andreas  
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- (71) HUSQVARNA AB  
 (11) AU-A-2021403139  
 (21) 2021403139 (22) 17.12.2021  
 (54) CONCRETE SURFACE MAPPING ROBOTS, SYSTEMS, AND METHODS FOR PROCESSING CONCRETE SURFACES  
 (51) Int. Cl.  
*E04F 21/24* ( 2006.01 )  
*B24B 7/18* ( 2006.01 )  
*B24B 49/12* ( 2006.01 )  
*G01B 11/06* ( 2006.01 )  
*G01C 15/00* ( 2006.01 )  
*G01S 17/46* ( 2006.01 )  
*G01S 17/89* ( 2020.01 )  
*G05D 1/02* ( 2020.01 )  
 (87) WO2022/132019  
 (31) 2051496-4 (32) 18.12.20 (33) SE  
 2150219-0 01.03.21 SE  
 (43) 23.06.2022  
 (72) JÖNSSON, Andreas  
 (74) Spruson & Ferguson
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- (71) HVRT CORP.  
 (11) AU-A-2021393418  
 (21) 2021393418 (22) 01.12.2021  
 (54) SYSTEMS AND METHODS FOR SHOOTING SIMULATION AND TRAINING  
 (51) Int. Cl.  
*A63F 9/02* ( 2006.01 )  
 (87) WO2022/119878  
 (31) 63/121,478 (32) 04.12.20 (33) US  
 (43) 09.06.2022  
 (72) GALLERY, Nathaniel P.; MCCORMICK, Andrew  
 (74) Spruson & Ferguson
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- (71) HYASYNTH BIOLOGICALS INC.  
 (11) AU-A-2021381020  
 (21) 2021381020 (22) 17.11.2021  
 (54) OLIVETOLIC ACID CYCLASE VARIANTS WITH IMPROVED ACTIVITY FOR USE IN PRODUCTION OF PHYTOCANNABINOIDS  
 (51) Int. Cl.  
*C12N 15/60* ( 2006.01 )  
*C12N 9/00* ( 2006.01 )  
*C12N 9/88* ( 2006.01 )  
*C12N 15/52* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12P 7/22* ( 2006.01 )  
*C12P 7/42* ( 2006.01 )  
*C12P 17/02* ( 2006.01 )  
 (87) WO2022/104460  
 (31) 16/953,638 (32) 20.11.20 (33) US  
 (43) 27.05.2022  
 (72) LIAO, Timothy S.; SONG, Letian; HOM, Louis; WALTON, Curtis; FURLONG, Daniel; MELGAR, Mindy; BHARGAVA, Devanshi  
 (74) WRAYS PTY LTD
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- (71) HYASYNTH BIOLOGICALS INC.  
 (11) AU-A-2021384448  
 (21) 2021384448 (22) 18.11.2021  
 (54) CANNABIDIOLIC ACID SYNTHASE VARIANTS WITH IMPROVED ACTIVITY FOR USE IN PRODUCTION OF PHYTOCANNABINOIDS  
 (51) Int. Cl.  
*C12N 15/53* ( 2006.01 )  
*C12N 9/00* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 15/52* ( 2006.01 )  
 (87) WO2022/104468  
 (31) 63/116,276 (32) 20.11.20 (33) US  
 (43) 27.05.2022  
 (72) SONG, Letian; LIAO, Timothy S.; WALTON, Curtis; HOM, Louis; MELGAR, Mindy; FURLONG, Daniel; BHARGAVA, Devanshi; PALYS, Sylvester; BOURGEOIS, Leanne  
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- (71) HYBRIT DEVELOPMENT AB  
 (11) AU-A-2021387528  
 (21) 2021387528 (22) 24.11.2021  
 (54) PROCESS FOR THE PRODUCTION OF CARBURIZED SPONGE IRON  
 (51) Int. Cl.  
*C21B 13/00* ( 2006.01 )  
*C21B 13/02* ( 2006.01 )  
*C25B 1/04* ( 2021.01 )  
*F27D 3/10* ( 2006.01 )  
*F27D 99/00* ( 2010.01 )  
 (87) WO2022/115024  
 (31) 2051376-8 (32) 25.11.20 (33) SE  
 (43) 02.06.2022  
 (72) MOHSENI-MÖRNER, Farzad; FAYAZI, Javad  
 (74) Davies Collison Cave Pty Ltd
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- (71) HYLER BV  
 (11) AU-A-2021381692  
 (21) 2021381692 (22) 16.11.2021  
 (54) PROCESSING MACHINE AND METHOD FOR PROCESSING FIBRE PLANTS  
 (51) Int. Cl.  
*A01D 45/06* ( 2006.01 )  
*A01D 67/00* ( 2006.01 )

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**(31)** 2020/5831 **(32)** 17.11.20 **(33)** BE  
**(43)** 27.05.2022  
**(72)** BAERT, Niels  
**(74)** Spruson & Ferguson

**(71)** IBMSOL CO., LTD.  
**(11)** AU-A-2021394819  
**(21)** 2021394819 **(22)** 22.11.2021  
**(54)** MEDICAL PROBE STERILIZER  
**(51)** Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61L 2/10** ( 2006.01 )  
**A61L 2/14** ( 2006.01 )  
**(87)** WO2022/124628  
**(31)** 10-2020-0169527 **(32)** 07.12.20 **(33)** KR  
**(43)** 16.06.2022  
**(72)** KIM, Hee Kyung  
**(74)** LAMINAR IP PTY LTD

**(71)** IBMSOL CO., LTD.  
**(11)** AU-A-2021397077  
**(21)** 2021397077 **(22)** 10.08.2021  
**(54)** MEDICAL CONDOM AND AUTOMATIC MEDICAL CONDOM SUPPLY DEVICE  
**(51)** Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**A61B 8/12** ( 2006.01 )  
**A61B 46/17** ( 2016.01 )  
**A61B 50/30** ( 2016.01 )  
**(87)** WO2022/124519  
**(31)** 10-2020-0169536 **(32)** 07.12.20 **(33)** KR  
**(43)** 16.06.2022  
**(72)** KIM, Hee Kyung  
**(74)** LAMINAR IP PTY LTD

**(71)** ICOSAVAX, INC.  
**(11)** AU-A-2021380755  
**(21)** 2021380755 **(22)** 11.11.2021  
**(54)** PROTEIN-BASED NANOPARTICLE VACCINE FOR METAPNEUMOVIRUS  
**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**(87)** WO2022/103967  
**(31)** 63/113,686 **(32)** 13.11.20 **(33)** US  
**(43)** 19.05.2022  
**(72)** FELDHAUS, Andrew Lawrence; HOLTZMAN, Douglas Andrew; WOLF, Clancey Buchanan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** IDEAYA BIOSCIENCES, INC.; GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.4) LIMITED  
**(11)** AU-A-2021390194  
**(21)** 2021390194 **(22)** 01.12.2021  
**(54)** SUBSTITUTED THIADIAZOLYL DERIVATIVES AS DNA POLYMERASE THETA INHIBITORS  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/433** ( 2006.01 )

**A61K 31/437** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 471/08** ( 2006.01 )  
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**(87)** WO2022/118210  
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 63/232,749 13.08.21 US  
**(43)** 09.06.2022  
**(72)** BARSANTI, Paul A.; BECK, Hilary Plake; FLEURY, Melissa; JONES, Brian Thomas; MCSPADDEN, Ethan DeNardo; PEI, Zhonghua; WANG, Chenbo; JAIPURI, Firoz Ali; SEVERANCE, Daniel Lee; DUFFY, Kevin J.; LAWHORN, Brian  
**(74)** Davies Collison Cave Pty Ltd

**(71)** IDEMITSU KOSAN CO.,LTD.  
**(11)** AU-A-2021414732  
**(21)** 2021414732 **(22)** 21.12.2021  
**(54)** LIGNIN COMPOSITION AND USE THEREOF  
**(51)** Int. Cl.  
**C08L 97/00** ( 2006.01 )  
**C08K 5/053** ( 2006.01 )  
**C08L 101/00** ( 2006.01 )  
**(87)** WO2022/145280  
**(31)** 2020-218406 **(32)** 28.12.20 **(33)** JP  
 2021-154350 22.09.21 JP  
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**(72)** KOYAMA, Yoshihito; MIYAGAWA, Toshifumi  
**(74)** Spruson & Ferguson

**(71)** IDENTIGEN LIMITED  
**(11)** AU-A-2021388045  
**(21)** 2021388045 **(22)** 18.10.2021  
**(54)** A SYSTEM AND METHOD FOR TRACKING MEMBERS OF AN ANIMAL POPULATION  
**(51)** Int. Cl.  
**A01K 11/00** ( 2006.01 )  
**A01K 29/00** ( 2006.01 )  
**(87)** WO2022/113062  
**(31)** 278965 **(32)** 25.11.20 **(33)** IL  
 63/190,243 19.05.21 US  
**(43)** 02.06.2022  
**(72)** RAPAPORT-ROM, Yuval; MITCHELL, Robert, William; RATTI, Matteo  
**(74)** Spruson & Ferguson

**(71)** IDEON TECHNOLOGIES INC.  
**(11)** AU-A-2021368870  
**(21)** 2021368870 **(22)** 26.10.2021  
**(54)** GEM SYSTEM, APPARATUS, AND METHOD FOR TRACKING COSMIC RAY MUONS  
**(51)** Int. Cl.  
**G01T 1/185** ( 2006.01 )  
**G01V 5/04** ( 2006.01 )  
**(87)** WO2022/087729  
**(31)** 63/105,811 **(32)** 26.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** SCHOUTEN, Douglas  
**(74)** Walker IP

**(71)** IDS TECHNOLOGY LLC  
**(11)** AU-A-2021377685  
**(21)** 2021377685 **(22)** 11.11.2021  
**(54)** SYSTEMS AND METHODS FOR ARTIFICIAL FACIAL IMAGE GENERATION CONDITIONED ON DEMOGRAPHIC INFORMATION  
**(51)** Int. Cl.  
**G06V 40/16** ( 2022.01 )  
**(87)** WO2022/103922  
**(31)** 63/112,323 **(32)** 11.11.20 **(33)** US  
**(43)** 19.05.2022  
**(72)** TRAN, Tung Thanh; SHIN, Dongwook; HOYE, Jefferson D.; EHLERS, Matthew R.  
**(74)** RnB IP Pty Ltd

**(71)** IDS TECHNOLOGY LLC  
**(11)** AU-A-2021379672  
**(21)** 2021379672 **(22)** 11.11.2021  
**(54)** SYSTEMS AND METHODS FOR AUTOMATIC PERSONA GENERATION FROM CONTENT AND ASSOCIATION WITH CONTENTS  
**(51)** Int. Cl.  
**G06F 17/00** ( 2019.01 )  
**(87)** WO2022/103923  
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**(43)** 19.05.2022  
**(72)** SHIN, Dongwook; TRAN, Tung Thanh; HOYE, Jefferson D.; EHLERS, Matthew R.  
**(74)** RnB IP Pty Ltd

**(71)** IFP ENERGIES NOUVELLES  
**(11)** AU-A-2021386151  
**(21)** 2021386151 **(22)** 18.11.2021  
**(54)** METHOD FOR THE SELECTIVE HYDROGENATION OF A GASOLINE IN THE PRESENCE OF A CATALYST ON A MESOPOROUS-MACROPOROUS SUBSTRATE  
**(51)** Int. Cl.  
**C10G 45/08** ( 2006.01 )  
**B01J 23/84** ( 2006.01 )  
**B01J 23/882** ( 2006.01 )  
**B01J 23/883** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**C10G 45/38** ( 2006.01 )  
**(87)** WO2022/112079  
**(31)** FR2012318 **(32)** 27.11.20 **(33)** FR  
**(43)** 02.06.2022  
**(72)** LEFLAIVE, Philibert; GIRARD, Etienne; FECANT, Antoine  
**(74)** Griffith Hack

**(71)** IFP ENERGIES NOUVELLES  
**(11)** AU-A-2021386550  
**(21)** 2021386550 **(22)** 18.11.2021  
**(54)** HYDRODESULFURIZATION METHOD USING A CATALYST COMPRISING A FLASH ALUMINA SUPPORT  
**(51)** Int. Cl.  
**C10G 45/08** ( 2006.01 )  
**B01J 23/84** ( 2006.01 )

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**B01J 23/883** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**(87)** WO2022/112077  
**(31)** FR2012315 **(32)** 27.11.20 **(33)** FR  
**(43)** 02.06.2022  
**(72)** LEFLAIVE, Philibert; GIRARD, Etienne;  
 FECANT, Antoine; BLONS, Charlie  
**(74)** Griffith Hack
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**(11)** AU-A-2021387713  
**(21)** 2021387713 **(22)** 18.11.2021  
**(54)** METHOD FOR HYDRODESULFURIZATION IN THE PRESENCE OF A CATALYST ON A MESOPOROUS-MACROPOROUS SUBSTRATE  
**(51)** Int. Cl.  
**C10G 45/08** ( 2006.01 )  
**B01J 23/84** ( 2006.01 )  
**B01J 23/882** ( 2006.01 )  
**B01J 23/883** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**(87)** WO2022/112078  
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**(72)** LEFLAIVE, Philibert; GIRARD, Etienne;  
 FECANT, Antoine  
**(74)** Griffith Hack
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**(11)** AU-A-2021388708  
**(21)** 2021388708 **(22)** 18.11.2021  
**(54)** METHOD FOR CAPTURING ORGANOMETALLIC IMPURITIES IN THE PRESENCE OF A CAPTURE MASS ON A MESOPOROUS-MACROPOROUS SUPPORT  
**(51)** Int. Cl.  
**C10G 45/08** ( 2006.01 )  
**B01J 20/02** ( 2006.01 )  
**B01J 20/08** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 23/84** ( 2006.01 )  
**B01J 23/882** ( 2006.01 )  
**B01J 23/883** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**C10G 25/00** ( 2006.01 )  
**(87)** WO2022/112080  
**(31)** FR2012320 **(32)** 27.11.20 **(33)** FR  
**(43)** 02.06.2022  
**(72)** LEFLAIVE, Philibert; GIRARD, Etienne;  
 FECANT, Antoine  
**(74)** Griffith Hack
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**(11)** AU-A-2021388768  
**(21)** 2021388768 **(22)** 18.11.2021  
**(54)** METHOD FOR CONDUCTING FINISHING HYDRODESULPHURISATION IN THE PRESENCE OF A CATALYST ON A MESO-MACROPOROUS SUPPORT  
**(51)** Int. Cl.  
**C10G 45/08** ( 2006.01 )  
**B01J 23/84** ( 2006.01 )  
**B01J 23/882** ( 2006.01 )
- B01J 23/883** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
**B01J 37/03** ( 2006.01 )  
**(87)** WO2022/112081  
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**(72)** LEFLAIVE, Philibert; GIRARD, Etienne;  
 FECANT, Antoine  
**(74)** Griffith Hack
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**(11)** AU-A-2021427966  
**(21)** 2021427966 **(22)** 25.10.2021  
**(54)** COMBUSTION DEVICE AND BOILER  
**(51)** Int. Cl.  
**F23J 7/00** ( 2006.01 )  
**F23C 1/00** ( 2006.01 )  
**(87)** WO2022/176275  
**(31)** 2021-025118 **(32)** 19.02.21 **(33)** JP  
**(43)** 25.08.2022  
**(72)** NAGATANI, Genichiro; ITO, Takamasa  
**(74)** Spruson & Ferguson
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- (71)** IHI CORPORATION  
**(11)** AU-A-2021428797  
**(21)** 2021428797 **(22)** 13.12.2021  
**(54)** COMBUSTION DEVICE AND BOILER  
**(51)** Int. Cl.  
**F23D 17/00** ( 2006.01 )  
**F23C 1/10** ( 2006.01 )  
**F23C 1/12** ( 2006.01 )  
**F23J 7/00** ( 2006.01 )  
**(87)** WO2022/176347  
**(31)** 2021-025116 **(32)** 19.02.21 **(33)** JP  
**(43)** 25.08.2022  
**(72)** ISHII, Hiroki; KOZAKI, Takahiro; OHNO, Emi  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021429041  
**(21)** 2021429041 **(22)** 14.12.2021  
**(54)** COMBUSTION DEVICE AND BOILER  
**(51)** Int. Cl.  
**F23J 7/00** ( 2006.01 )  
**F23C 1/12** ( 2006.01 )  
**F23D 17/00** ( 2006.01 )  
**(87)** WO2022/176353  
**(31)** 2021-025117 **(32)** 19.02.21 **(33)** JP  
**(43)** 25.08.2022  
**(72)** ISHII, Hiroki; KOZAKI, Takahiro; OHNO, Emi; ECHIZENYA, Makoto  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021369590  
**(21)** 2021369590 **(22)** 28.10.2021  
**(54)** COMBINATION OF AN AHR INHIBITOR WITH A PDX INHIBITOR OR DOXORUBICINE  
**(51)** Int. Cl.  
**A61K 31/53** ( 2006.01 )  
**A61K 31/704** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**(87)** WO2022/094567  
**(31)** 63/106,643 **(32)** 28.10.20 **(33)** US  
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**(43)** 05.05.2022  
**(72)** CASTRO, Alfredo C.; ZHANG, Xiaoyan  
 Michelle; SAGER, Jason; MCGOVERN,  
 Karen J.  
**(74)** Spruson & Ferguson
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- (71)** ILDONG PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2021363703  
**(21)** 2021363703 **(22)** 22.10.2021  
**(54)** CFTR MODULATOR COMPOUNDS, COMPOSITIONS, AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2022/084741  
**(31)** 63/104,979 **(32)** 23.10.20 **(33)** US  
**(43)** 28.04.2022  
**(72)** LEE, Myongjae; OH, Changmok; LIM, Dami; KIM, Kyeong-a; LEE, Seol-hee; JEONG, Ilji; RYU, Jaeun; LEE, Jooyun; JUN, Yearin; KWON, Jin-sun; SOHN, Te-ik; KIM, Gunhee; KIM, Jung-ho; YOON, Jongmin; LEE, Jin Hee; YOON, Hongchul; LEE, Jung Woo; PARK, Joontae; AN, Kyung Mi  
**(74)** Collison & Co
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- (71)** ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED  
**(11)** AU-A-2021366658  
**(21)** 2021366658 **(22)** 20.10.2021  
**(54)** SEQUENCING TEMPLATES COMPRISING MULTIPLE INSERTS AND COMPOSITIONS AND METHODS FOR IMPROVING SEQUENCING THROUGHPUT  
**(51)** Int. Cl.  
**C12Q 1/6834** ( 2018.01 )  
**C12Q 1/6874** ( 2018.01 )  
**(87)** WO2022/087150  
**(31)** 63/094,422 **(32)** 21.10.20 **(33)** US  
 63/256,040 15.10.21 US  
**(43)** 28.04.2022  
**(72)** KHURANA, Tarun; WU, Yir-Shyuan; GORMLEY, Niall Anthony; BOUTELL, Jonathan Mark  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** ILLUMINA, INC.  
**(11)** AU-A-2021400828  
**(21)** 2021400828 **(22)** 14.12.2021  
**(54)** FLOW CELL COATING METHODS  
**(51)** Int. Cl.  
**G03F 7/00** ( 2006.01 )  
**G03F 7/40** ( 2006.01 )  
**(87)** WO2022/132769  
**(31)** 63/125,716 **(32)** 15.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** BRAHMA, Neil; DILL, Tyler J.; FU, Michelle Kate; HANOS, Brian A.;

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**(74)** WRAYS PTY LTD
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- (71)** ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED  
**(11)** AU-A-2021416526  
**(21)** 2021416526 **(22)** 30.12.2021  
**(54)** COMPOSITIONS INCLUDING FUNCTIONAL GROUPS COUPLED TO SUBSTRATES, AND METHODS OF MAKING THE SAME  
**(51)** Int. Cl.  
*C08F 8/00* ( 2006.01 )  
*C08F 8/30* ( 2006.01 )  
**(87)** WO2022/150219  
**(31)** 63/133,955 **(32)** 05.01.21 **(33)** US  
**(43)** 14.07.2022  
**(72)** SMITH, Randall; GEORGE, Wayne; BROWN, Andrew  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71)** IMBOX PROTECTION A/S  
**(11)** AU-A-2021383472  
**(21)** 2021383472 **(22)** 18.11.2021  
**(54)** IMPREGNATING DEVICE AND METHOD  
**(51)** Int. Cl.  
*A43D 11/00* ( 2006.01 )  
*A43D 95/06* ( 2006.01 )  
*A43D 95/26* ( 2006.01 )  
*A43D 119/00* ( 2006.01 )  
**(87)** WO2022/105977  
**(31)** PA 2020 70765 **(32)** 18.11.20 **(33)** DK  
**(43)** 27.05.2022  
**(72)** MARKER, René  
**(74)** Spruson & Ferguson
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- (71)** IMPACT BIOMEDICINES, INC.  
**(11)** AU-A-2021401681  
**(21)** 2021401681 **(22)** 15.12.2021  
**(54)** DOSING OF FEDRATINIB  
**(51)** Int. Cl.  
*A61K 31/15* ( 2006.01 )  
*A61K 31/4178* ( 2006.01 )  
*A61K 31/4196* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61K 31/51* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
**(87)** WO2022/132933  
**(31)** 63/126,289 **(32)** 16.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** KRISHNA, Gopal; OGASAWARA, Ken  
**(74)** AJ PARK
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- (71)** INCARDA THERAPEUTICS, INC.  
**(11)** AU-A-2021400335  
**(21)** 2021400335 **(22)** 17.12.2021  
**(54)** KITS AND METHODS FOR INDUCTION OF CARDIOVERSION IN SUBJECTS WITH ATRIAL ARRHYTHMIAS  
**(51)** Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61K 31/16* ( 2006.01 )
- A61K 31/18** ( 2006.01 )  
**(87)** WO2022/133317  
**(31)** 63/127,089 **(32)** 17.12.20 **(33)** US  
63/153,492 25.02.21 US  
**(43)** 23.06.2022  
**(72)** BELARDINELLI, Luiz; SCHULER, Carlos; GUZMAN, Miguel  
**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** INCYTE CORPORATION  
**(11)** AU-A-2021396231  
**(21)** 2021396231 **(22)** 08.12.2021  
**(54)** JAK1 PATHWAY INHIBITORS FOR THE TREATMENT OF VITILIGO  
**(51)** Int. Cl.  
*A61K 31/415* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 17/00* ( 2006.01 )  
**(87)** WO2022/125670  
**(31)** 63/122,574 **(32)** 08.12.20 **(33)** US  
63/246,688 21.09.21 US  
**(43)** 16.06.2022  
**(72)** SMITH, Paul; BROWN, Kurt Andrew; HOWELL, Michael D.; KUO, Fiona; LEE, James; DOS SANTOS, Leandro Luiz; RUMBERGER, Beth  
**(74)** Oxygene IP
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- (71)** INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH  
**(11)** AU-A-2021381706  
**(21)** 2021381706 **(22)** 17.11.2021  
**(54)** SILVER ASSISTED GOLD CATALYSIS FOR THE PREPARATION OF FONDAPARINUX PENTASACCHARIDE AND INTERMEDIATES  
**(51)** Int. Cl.  
*C07H 1/00* ( 2006.01 )  
*C07H 1/06* ( 2006.01 )  
*C07H 3/04* ( 2006.01 )  
*C07H 3/06* ( 2006.01 )  
*C08B 37/00* ( 2006.01 )  
**(87)** WO2022/107013  
**(31)** 202021050409 **(32)** 19.11.20 **(33)** IN  
**(43)** 27.05.2022  
**(72)** HOTHIA, Srinivas; WALKER, Gulab; KASDEKAR, Niteshlal; SUTAR, Yogesh  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd
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- (71)** INDUCTOTHERM CORP.  
**(11)** AU-A-2021383819  
**(21)** 2021383819 **(22)** 19.11.2021  
**(54)** CONTROLLED CASTING OF IN-MOLD LARGE STEEL INGOT WITH INDUCED VARIABLE POWER AND VARIABLE FREQUENCY  
**(51)** Int. Cl.  
*B22D 18/02* ( 2006.01 )  
*B22D 7/10* ( 2006.01 )  
*B22D 27/04* ( 2006.01 )  
*C03B 5/02* ( 2006.01 )  
*C03B 37/00* ( 2006.01 )  
*C03B 37/02* ( 2006.01 )  
**(87)** WO2022/109273  
**(31)** 63/116,455 **(32)** 20.11.20 **(33)** US
- (43)** 27.05.2022  
**(72)** PRABHU, Satyen N.; CAO, Mike Maochang; WU, Nier  
**(74)** Minter Ellison
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- (71)** INERATEC GMBH  
**(11)** AU-A-2021370113  
**(21)** 2021370113 **(22)** 14.10.2021  
**(54)** METHODS AND INSTALLATION FOR THE PRODUCT PREPARATION OF FISCHER-TROPSCH-BASED RAW PRODUCTS FOR PRODUCING PRE-FORMULATED FUELS OR FUELS CONFORMING TO STANDARDS  
**(51)** Int. Cl.  
*C10G 2/00* ( 2006.01 )  
*C10G 45/58* ( 2006.01 )  
*C10G 47/00* ( 2006.01 )  
*C10G 65/12* ( 2006.01 )  
*C10K 3/02* ( 2006.01 )  
**(87)** WO2022/089955  
**(31)** 20204893.0 **(32)** 30.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** BAUDNER, Julian; SELINSEK, Manuel  
**(74)** Griffith Hack
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- (71)** INIPHARM, INC.  
**(11)** AU-A-2021377248  
**(21)** 2021377248 **(22)** 11.11.2021  
**(54)** DICHLOROPHENOL HSD17B13 INHIBITORS AND USES THEREOF  
**(51)** Int. Cl.  
*C07D 239/91* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*C07C 235/56* ( 2006.01 )  
*C07D 207/16* ( 2006.01 )  
*C07D 213/81* ( 2006.01 )  
*C07D 239/88* ( 2006.01 )  
*C07D 239/90* ( 2006.01 )  
*C07D 239/94* ( 2006.01 )  
*C07D 239/96* ( 2006.01 )  
*C07D 275/03* ( 2006.01 )  
*C07D 277/56* ( 2006.01 )  
*C07D 333/38* ( 2006.01 )  
*C07D 401/06* ( 2006.01 )  
*C07D 401/10* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/06* ( 2006.01 )  
*C07D 403/10* ( 2006.01 )  
*C07D 413/10* ( 2006.01 )  
*C07D 417/06* ( 2006.01 )  
*C07D 417/12* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 495/04* ( 2006.01 )  
**(87)** WO2022/103960  
**(31)** 63/113,555 **(32)** 13.11.20 **(33)** US  
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63/225,282 23.07.21 US  
**(43)** 19.05.2022  
**(72)** ANANDAN, Sampath Kumar; ODINGO, Joshua; HSU, Heather Kay Webb; FLORIO, Vincent; TANTRY, Subramanyam Janardhan; DURAISWAMY, Athisayamani Jeyaraj  
**(74)** FB Rice Pty Ltd

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

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| <p>(71) INIXIO LIMITED<br/>(11) AU-A-2021366372<br/>(21) 2021366372 (22) 15.10.2021<br/>(54) PROSTHESES<br/>(51) Int. Cl.<br/>A61F 2/32 ( 2006.01 )<br/>A61F 2/34 ( 2006.01 )<br/>A61F 2/36 ( 2006.01 )<br/>(87) WO2022/084659<br/>(31) 2016534.6 (32) 19.10.20 (33) GB<br/>(43) 28.04.2022<br/>(72) MATHIAS, Rod; GREEN, Ivan<br/>(74) WRAYS PTY LTD</p>  | <p>63/116,093 19.11.20 US<br/>(43) 27.05.2022<br/>(72) HUERTAS, Pedro; WENKERT, Deborah<br/>(74) Spruson &amp; Ferguson</p>  | <p>AMPLICON SEQUENCING WITH HIGH-FIDELITY DNA POLYMERASES<br/>(51) Int. Cl.<br/>C12Q 1/6853 ( 2018.01 )<br/>C12N 15/62 ( 2006.01 )<br/>(87) WO2022/140553<br/>(31) 63/277,273 (32) 09.11.21 (33) US<br/>63/130,548 24.12.20 US<br/>(43) 30.06.2022<br/>(72) DOBOSY, Joseph; FROEHLIG, John; PERSCHBACHER, Katherine; BELTZ, Kristin; ROSE, Scott; BEHLKE, Mark Aaron<br/>(74) Spruson &amp; Ferguson</p>  |
| <p>(71) INNOVAERO TECHNOLOGIES PTY LTD<br/>(11) AU-A-2021378639<br/>(21) 2021378639 (22) 12.11.2021<br/>(54) AERIAL VEHICLES<br/>(51) Int. Cl.<br/>B64C 29/00 ( 2006.01 )<br/>B64C 27/26 ( 2006.01 )<br/>B64C 27/28 ( 2006.01 )<br/>B64C 27/30 ( 2006.01 )<br/>B64C 39/02 ( 2023.01 )<br/>B64D 27/26 ( 2006.01 )<br/>B64D 35/08 ( 2006.01 )<br/>(87) WO2022/099373<br/>(31) 2020904185 (32) 13.11.20 (33) AU<br/>(43) 19.05.2022<br/>(72) VON BERTOUCHE, Michael; KELLY, Adam<br/>(74) Griffith Hack</p> | <p>(71) INSECTUM APS<br/>(11) AU-A-2021382116<br/>(21) 2021382116 (22) 17.11.2021<br/>(54) APPARATUS AND METHOD FOR INSECT BREEDING<br/>(51) Int. Cl.<br/>A01K 67/033 ( 2006.01 )<br/>(87) WO2022/106455<br/>(31) 20209217.7 (32) 23.11.20 (33) EP<br/>(43) 27.05.2022<br/>(72) MUNK-BOGBALLE, David<br/>(74) Spruson &amp; Ferguson</p>   | <p>(71) INTELLIGAS TECHNOLOGY DEVELOPMENTS PTY LTD<br/>(11) AU-A-2021377198<br/>(21) 2021377198 (22) 11.11.2021<br/>(54) HIGH-POINT VENT SYSTEM<br/>(51) Int. Cl.<br/>F16K 24/04 ( 2006.01 )<br/>B01D 19/00 ( 2006.01 )<br/>F16K 17/00 ( 2006.01 )<br/>F16K 17/164 ( 2006.01 )<br/>F16K 31/38 ( 2006.01 )<br/>F16L 55/07 ( 2006.01 )<br/>(87) WO2022/099368<br/>(31) 2020904128 (32) 11.11.20 (33) AU<br/>(43) 19.05.2022<br/>(72) NICHOLS, David<br/>(74) Spruson &amp; Ferguson</p>   |
| <p>(71) INNOVATIVE BIOMECHANICAL SOLUTIONS, LLC<br/>(11) AU-A-2021373709<br/>(21) 2021373709 (22) 03.11.2021<br/>(54) VEHICLE SEAT MANAGEMENT SYSTEM<br/>(51) Int. Cl.<br/>B60N 2/02 ( 2006.01 )<br/>B60N 2/23 ( 2006.01 )<br/>B60N 2/56 ( 2006.01 )<br/>(87) WO2022/098691<br/>(31) 17/091,305 (32) 06.11.20 (33) US<br/>(43) 12.05.2022<br/>(72) MEYER, Daniel, Christopher<br/>(74) Spruson &amp; Ferguson</p>  | <p>(71) INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); INSTITUT JEAN PAOLI &amp; IRENE CALMETTES; ALDERAAN BIOTECHNOLOGY; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE D'AIX MARSEILLE; UNIVERSITE PARIS CITE; UNIVERSITE PARIS EST CRETEIL VAL DE MARNE<br/>(11) AU-A-2021380966<br/>(21) 2021380966 (22) 19.11.2021<br/>(54) ANTI-CD25 ANTIBODIES<br/>(51) Int. Cl.<br/>A61P 35/00 ( 2006.01 )<br/>C07K 16/28 ( 2006.01 )<br/>(87) WO2022/106665<br/>(31) 20306424.1 (32) 20.11.20 (33) EP<br/>(43) 27.05.2022<br/>(72) OLIVE, Daniel; BENSUSSAN, Armand; GIUSTINIANI, Jérôme; MARIE-CARDINE, Anne; FOUSSAT, Arnaud; HOUACINE, Jemila<br/>(74) FPA Patent Attorneys Pty Ltd</p> | <p>(71) INTERNATIONAL BUSINESS MACHINES CORPORATION<br/>(11) AU-A-2021391031<br/>(21) 2021391031 (22) 02.11.2021<br/>(54) LEARNING UNPAIRED MULTIMODAL FEATURE MATCHING FOR SEMI-SUPERVISED LEARNING<br/>(51) Int. Cl.<br/>G06N 20/10 ( 2019.01 )<br/>G06N 3/045 ( 2023.01 )<br/>G06N 3/08 ( 2023.01 )<br/>G06N 5/04 ( 2023.01 )<br/>(87) WO2022/116762<br/>(31) 17/109,550 (32) 02.12.20 (33) US<br/>(43) 09.06.2022<br/>(72) CHAUDHURY, Subhajit; KIMURA, Daiki; KURATA, Gakuto; TACHIBANA, Ryuki<br/>(74) Spruson &amp; Ferguson</p> |
| <p>(71) INOZYME PHARMA, INC.<br/>(11) AU-A-2021383830<br/>(21) 2021383830 (22) 19.11.2021<br/>(54) TREATMENT OF ENPP1 DEFICIENCY AND ABCG6 DEFICIENCY<br/>(51) Int. Cl.<br/>A61K 38/10 ( 2006.01 )<br/>A61K 38/46 ( 2006.01 )<br/>A61P 9/00 ( 2006.01 )<br/>A61P 13/12 ( 2006.01 )<br/>A61P 19/04 ( 2006.01 )<br/>(87) WO2022/109344<br/>(31) 63/237,351 (32) 26.08.21 (33) US<br/>63/116,106 19.11.20 US<br/>63/219,229 07.07.21 US<br/>63/116,086 19.11.20 US</p>                                      | <p>(71) INSULET CORPORATION<br/>(11) AU-A-2021385552<br/>(21) 2021385552 (22) 23.11.2021<br/>(54) DEVICE AND METHODS FOR A SIMPLE MEAL ANNOUNCEMENT FOR AUTOMATIC DRUG DELIVERY SYSTEM<br/>(51) Int. Cl.<br/>G16H 20/17 ( 2018.01 )<br/>G16H 20/10 ( 2018.01 )<br/>(87) WO2022/115475<br/>(31) 63/119,055 (32) 30.11.20 (33) US<br/>(43) 02.06.2022<br/>(72) LI, Mengdi; ZHENG, Yibin; LEE, Joon Bok; O'CONNOR, Jason<br/>(74) Davies Collison Cave Pty Ltd</p>  | <p>(71) INTERNATIONAL BUSINESS MACHINES CORPORATION<br/>(11) AU-A-2021394573<br/>(21) 2021394573 (22) 03.12.2021<br/>(54) REMOTE MANAGEMENT OF HARDWARE SECURITY MODULES<br/>(51) Int. Cl.<br/>H04L 9/08 ( 2006.01 )<br/>H04L 9/32 ( 2006.01 )<br/>(87) WO2022/122578<br/>(31) 17/118,837 (32) 11.12.20 (33) US<br/>(43) 16.06.2022<br/>(72) SULLIVAN, Garry, Joseph; COON, James, Richard; JORDAN, Michael,</p>  |
| <p>(71) INTEGRATED DNA TECHNOLOGIES, INC.<br/>(11) AU-A-2021409723<br/>(21) 2021409723 (22) 22.12.2021<br/>(54) RNASE H2 MUTANTS THAT REDUCE PRIMER DIMERS AND OFF-TARGET AMPLIFICATION IN RHPCR-BASED</p>   | <p>(71) INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); INSTITUT JEAN PAOLI &amp; IRENE CALMETTES; ALDERAAN BIOTECHNOLOGY; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE D'AIX MARSEILLE; UNIVERSITE PARIS CITE; UNIVERSITE PARIS EST CRETEIL VAL DE MARNE<br/>(11) AU-A-2021380966<br/>(21) 2021380966 (22) 19.11.2021<br/>(54) ANTI-CD25 ANTIBODIES<br/>(51) Int. Cl.<br/>A61P 35/00 ( 2006.01 )<br/>C07K 16/28 ( 2006.01 )<br/>(87) WO2022/106665<br/>(31) 20306424.1 (32) 20.11.20 (33) EP<br/>(43) 27.05.2022<br/>(72) OLIVE, Daniel; BENSUSSAN, Armand; GIUSTINIANI, Jérôme; MARIE-CARDINE, Anne; FOUSSAT, Arnaud; HOUACINE, Jemila<br/>(74) FPA Patent Attorneys Pty Ltd</p> | <p>(71) INTERNATIONAL BUSINESS MACHINES CORPORATION<br/>(11) AU-A-2021391031<br/>(21) 2021391031 (22) 02.11.2021<br/>(54) LEARNING UNPAIRED MULTIMODAL FEATURE MATCHING FOR SEMI-SUPERVISED LEARNING<br/>(51) Int. Cl.<br/>G06N 20/10 ( 2019.01 )<br/>G06N 3/045 ( 2023.01 )<br/>G06N 3/08 ( 2023.01 )<br/>G06N 5/04 ( 2023.01 )<br/>(87) WO2022/116762<br/>(31) 17/109,550 (32) 02.12.20 (33) US<br/>(43) 09.06.2022<br/>(72) CHAUDHURY, Subhajit; KIMURA, Daiki; KURATA, Gakuto; TACHIBANA, Ryuki<br/>(74) Spruson &amp; Ferguson</p> |

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**(74)** Spruson & Ferguson
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- (71)** INTERNATIONAL BUSINESS MACHINES CORPORATION  
**(11)** AU-A-2021398915  
**(21)** 2021398915 **(22)** 25.11.2021  
**(54)** COORDINATING REQUESTS ACTIONED AT A SCALABLE APPLICATION  
**(51)** Int. Cl.  
**G06F 9/50** ( 2006.01 )  
**G06F 11/36** ( 2006.01 )  
**(87)** WO2022/128394  
**(31)** 17/247,615 **(32)** 18.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** ROSS, Martin; EVANS, Jack, William, Donato; STEVENSON, Jack, Richard, William; POWLETT, Luke, James  
**(74)** Spruson & Ferguson
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- (71)** INTERNATIONAL BUSINESS MACHINES CORPORATION  
**(11)** AU-A-2021411051  
**(21)** 2021411051 **(22)** 10.12.2021  
**(54)** RAPID TEST DEVICE HAVING MULTIPLE HETEROGENEOUS DIAGNOSTIC METHODS  
**(51)** Int. Cl.  
**C12M 1/34** ( 2006.01 )  
**(87)** WO2022/144647  
**(31)** 17/138,419 **(32)** 30.12.20 **(33)** US  
**(43)** 07.07.2022  
**(72)** SILVA, Ademir Ferreira da; TIRAPU AZPIROZ, Jaione; ESTEVES FERREIRA, Matheus; STEINER, Mathias; MARÇAL, Daniel Vitor Lopes Marcodes  
**(74)** Spruson & Ferguson
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- (71)** INTERNATIONAL BUSINESS MACHINES CORPORATION  
**(11)** AU-A-2021414510  
**(21)** 2021414510 **(22)** 26.11.2021  
**(54)** CUSTOMIZATION OF RECURRENT NEURAL NETWORK TRANSDUCERS FOR SPEECH RECOGNITION  
**(51)** Int. Cl.  
**G10L 15/16** ( 2006.01 )  
**(87)** WO2022/144630  
**(31)** 17/136,439 **(32)** 29.12.20 **(33)** US  
**(43)** 07.07.2022  
**(72)** KURATA, Gakuto; SAON, George Andrei; KINGSBURY, Brian  
**(74)** Spruson & Ferguson
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021395477  
**(21)** 2021395477 **(22)** 10.12.2021  
**(54)** ANTHELMINTIC COMPOUNDS COMPRISING A THIENOPYRIDINE STRUCTURE  
**(51)** Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/4365** ( 2006.01 )  
**A61P 33/10** ( 2006.01 )
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- (87)** WO2022/122988  
**(31)** 20213297.3 **(32)** 11.12.20 **(33)** EP  
**(43)** 16.06.2022  
**(72)** BERGER, Michael; LINDER, Michael; SCHNEIDER, Carolin; TÄNZLER, Janina; SONDERN, Ulrich  
**(74)** Spruson & Ferguson
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021398540  
**(21)** 2021398540 **(22)** 10.12.2021  
**(54)** ANTHELMINTIC COMPOUNDS COMPRISING A PYRIDINE STRUCTURE  
**(51)** Int. Cl.  
**C07D 213/82** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 33/10** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**C07D 409/12** ( 2006.01 )  
**(87)** WO2022/122987  
**(31)** 20213294.0 **(32)** 11.12.20 **(33)** EP  
**(43)** 16.06.2022  
**(72)** BERGER, Michael; LINDER, Michael; SCHNEIDER, Carolin; TÄNZLER, Janina; SONDERN, Ulrich  
**(74)** Spruson & Ferguson
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021406283  
**(21)** 2021406283 **(22)** 21.12.2021  
**(54)** CONJUGATED ZEARELENONE TO PROTECT AGAINST MYCOTOXICOSIS  
**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/136343  
**(31)** 20216328.3 **(32)** 22.12.20 **(33)** EP  
**(43)** 30.06.2022  
**(72)** KOUIJMAN, Sietske; SEGERS, Ruud, Philip, Antoon, Maria; WITVLIET, Maarten, Hendrik  
**(74)** Spruson & Ferguson
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021406284  
**(21)** 2021406284 **(22)** 21.12.2021  
**(54)** CONJUGATED T-2 TOXIN TO PROTECT AGAINST MYCOTOXICOSIS  
**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/136348  
**(31)** 20216338.2 **(32)** 22.12.20 **(33)** EP  
**(43)** 30.06.2022  
**(72)** KOUIJMAN, Sietske; SEGERS, Ruud, Philip, Antoon, Maria; WITVLIET, Maarten, Hendrik  
**(74)** Spruson & Ferguson
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- (71)** INVISISHIELD TECHNOLOGIES LTD.  
**(11)** AU-A-2021362007  
**(21)** 2021362007 **(22)** 14.10.2021  
**(54)** COMPOSITIONS FOR PREVENTING OR TREATING VIRAL AND OTHER MICROBIAL INFECTIONS  
**(51)** Int. Cl.
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- A61K 39/395** ( 2006.01 )  
**A61K 39/42** ( 2006.01 )  
**A61K 47/66** ( 2017.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 16/10** ( 2006.01 )  
**(87)** WO2022/082217  
**(31)** 63/093,076 **(32)** 16.10.20 **(33)** US  
 63/118,570 25.11.20 US  
 63/122,432 07.12.20 US  
**(43)** 21.04.2022  
**(72)** LIU, Cheng; ZHANG, Hongbing; YANG, Zhiyuan; XIANG, Jingyi; CUI, Ziyou; LIU, Jianying  
**(74)** WRAYS PTY LTD
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- (71)** IP - SMART LTD  
**(11)** AU-A-2021359181  
**(21)** 2021359181 **(22)** 15.10.2021  
**(54)** A DERMATOLOGIC TREATMENT APPARATUS  
**(51)** Int. Cl.  
**A61N 5/06** ( 2006.01 )  
**A61F 13/00** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )  
**A61K 9/70** ( 2006.01 )  
**(87)** WO2022/079449  
**(31)** 2016376.2 **(32)** 15.10.20 **(33)** GB  
 2109763.9 06.07.21 GB  
**(43)** 21.04.2022  
**(72)** HERBERT, Kevin  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71)** ISHIHARA SANGYO KAISHA, LTD.  
**(11)** AU-A-2021408943  
**(21)** 2021408943 **(22)** 21.12.2021  
**(54)** COATED FLAKY TITANIC ACID PARTICLES, PRODUCTION METHOD THEREFOR, AND USE THEREOF  
**(51)** Int. Cl.  
**C01G 23/00** ( 2006.01 )  
**C09C 1/36** ( 2006.01 )  
**C09C 3/06** ( 2006.01 )  
**C09C 3/08** ( 2006.01 )  
**C09D 7/62** ( 2018.01 )  
**C09D 201/00** ( 2006.01 )  
**(87)** WO2022/138601  
**(31)** 2020-213053 **(32)** 23.12.20 **(33)** JP  
**(43)** 30.06.2022  
**(72)** KAMANAKA Kei; HAMAMOTO So  
**(74)** Spruson & Ferguson
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- (71)** ISOFIRMS APS  
**(11)** AU-A-2021379938  
**(21)** 2021379938 **(22)** 08.11.2021  
**(54)** FOOD COMPRISING ISOSTEVIOL AND USES THEREOF  
**(51)** Int. Cl.  
**A23L 33/00** ( 2016.01 )  
**A23L 33/10** ( 2016.01 )  
**A23L 33/17** ( 2016.01 )  
**A23L 33/185** ( 2016.01 )  
**(87)** WO2022/101133  
**(31)** PA 2020 70758 **(32)** 16.11.20 **(33)** DK  
**(43)** 19.05.2022  
**(72)** KVISTGAARD, Gunnar; SØNDERGAARD, Randi Kvistgaard  
**(74)** FPA Patent Attorneys Pty Ltd

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

(71) ITRON, INC.  
 (11) AU-A-2021402921  
 (21) 2021402921 (22) 13.12.2021  
 (54) SECURE MESSAGING FOR OUTAGE EVENTS  
 (51) Int. Cl.  
     G05B 11/01 ( 2006.01 )  
     G01D 4/02 ( 2006.01 )  
     G01R 22/00 ( 2006.01 )  
     G06F 1/30 ( 2006.01 )  
 (87) WO2022/132653  
 (31) 17/124,428 (32) 16.12.20 (33) US  
 (43) 23.06.2022  
 (72) SINGH, Kalvinder Pal; JOHNSON, Darin Byron; KISS, Zoltan Peter  
 (74) Spruson & Ferguson

(71) ITRON GLOBAL SARL  
 (11) AU-A-2021409245  
 (21) 2021409245 (22) 17.12.2021  
 (54) DISCOVERY OF FORWARDERS TO MITIGATE ASYMMETRIC LINKS IN A MULTICAST GROUP  
 (51) Int. Cl.  
     H04L 12/18 ( 2006.01 )  
     H04L 45/16 ( 2009.01 )  
     H04W 40/28 ( 2009.01 )  
 (87) WO2022/140202  
 (31) 17/133,252 (32) 23.12.20 (33) US  
 (43) 30.06.2022  
 (72) BARTIER, Jérôme; MONIER, Fabrice  
 (74) Spruson & Ferguson

(71) IVES, LLC  
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**G01S 7/497** ( 2006.01 )  
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**C07D 405/12** ( 2006.01 )  
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 B01J 20/26 ( 2006.01 )  
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 A61K 8/34 ( 2006.01 )  
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 OF USE  
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 (54) NON-WOOD PULP HAVING HIGH  
 BRIGHTNESS AND LOW DEBRIS  
 (51) Int. Cl.  
 D21H 11/12 ( 2006.01 )  
 D21C 1/06 ( 2006.01 )  
 D21C 1/10 ( 2006.01 )  
 D21C 3/02 ( 2006.01 )  
 D21C 9/16 ( 2006.01 )  
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 (54) HIGH BRIGHTNESS NON-WOOD  
 PULP  
 (51) Int. Cl.  
 D21H 11/12 ( 2006.01 )  
 D21C 1/06 ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07D 493/08** ( 2006.01 )  
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 (21) 2021373795 (22) 04.11.2021  
 (54) PHAGE COMPOSITIONS FOR PSEUDOMONAS COMPRISING CRISPR-CAS SYSTEMS AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
**A01N 63/40** ( 2020.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/73** ( 2006.01 )  
**C12N 15/74** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )

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 (74) FB Rice Pty Ltd

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 (54) METHODS FOR SEQUESTERING ATMOSPHERIC CARBON AND FOR QUANTIFYING THE SAME

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**A01N 63/30** ( 2020.01 )  
**A01G 7/06** ( 2006.01 )  
**A01N 63/22** ( 2020.01 )  
**A01N 63/32** ( 2020.01 )  
**C05F 11/08** ( 2006.01 )  
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**C05G 5/12** ( 2020.01 )  
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 (54) RENEWABLE ENERGY DEVICE WITH LATERAL APERTURE WAVE-DRIVEN PROPULSION

(51) Int. Cl.  
**B63B 22/18** ( 2006.01 )  
**F03B 17/06** ( 2006.01 )  
**H02K 44/08** ( 2006.01 )  
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 (54) APPARATUSES AND METHODS FOR USE WITH REVERSE CIRCULATION OVERSHOT SYSTEMS  
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**E21B 23/08** ( 2006.01 )  
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(71) LORIA PHARMACEUTICAL, LLC  
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- (54) MULTIPLE VISCOSITY OIL-IN-WATER COMPOSITION USEFUL AS AN INJECTABLE FILLER AND A SCAFFOLD FOR COLLAGEN GROWTH  
(51) Int. Cl.  
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**A61Q 19/08** ( 2006.01 )  
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(54) METHOD FOR PRODUCING ELECTROLYTE FOR VANADIUM REDOX FLOW BATTERY  
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(54) METHOD AND SYSTEM FOR ESTIMATING DISTANCE BETWEEN A FIBER END AND A TARGET  
(51) Int. Cl.  
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(54) DETONATOR SUPPORT DEVICE FOR CHARGING A BLASTHOLE, BLASTING SYSTEM, METHOD OF PREPARING A DETONATOR SUPPORT DEVICE, EXPLOSIVE MATERIAL CHARGING VEHICLE AND DATA MEDIUM  
(51) Int. Cl.  
**F42B 3/26** ( 2006.01 )  
**F42D 1/22** ( 2006.01 )  
**E21C 37/12** ( 2006.01 )  
**F42D 3/04** ( 2006.01 )  
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(54) A BLASTING SYSTEM AND A METHOD OF EXPLOSIVE MATERIAL CHARGING  
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**F42D 1/08** ( 2006.01 )  
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**A61P 3/04** ( 2006.01 )  
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PRISING ANTI-CD137 BINDING MO-  
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MAVIRUS AND METHOD FOR USING  
THE SAME  
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**A61K 39/12** ( 2006.01 )  
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(54) ULTRASOUND BASED MULTIPLE  
BONE REGISTRATION SURGICAL  
SYSTEMS AND METHODS OF USE IN  
COMPUTER-ASSISTED SURGERY  
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- (71) MANNKIND CORPORATION  
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(54) METHOD AND COMPOSITION FOR  
TREATING PULMONARY FIBROSIS  
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**A61K 9/00** ( 2006.01 )  
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**A61K 31/496** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
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(54) GLYCOSIDE PRODUCT BIOSYN-  
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**C12N 1/15** ( 2006.01 )  
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LYNCH, Hannah; NIEMINEN, Eric  
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(54) EXTREMITY OFFLOADING SYSTEM  
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**A47C 16/02** ( 2006.01 )  
**A47C 20/00** ( 2006.01 )  
**A61F 13/06** ( 2006.01 )  
**A61G 7/057** ( 2006.01 )  
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CASS WHEN CONVEYED BY A CON-  
VEYOR MEANS  
(51) Int. Cl.  
**A22B 5/16** ( 2006.01 )  
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- (71) MAREL RED MEAT B.V.  
(11) AU-A-2021401165  
(21) 2021401165 (22) 17.12.2021  
(54) TAIL CUTTER FOR SAVING AND  
PARTLY CUTTING FREE TAILS OF  
SLAUGHTERED ANIMALS  
(51) Int. Cl.  
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 (51) Int. Cl.  
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**A61C 8/00** ( 2006.01 )  
**A61K 6/58** ( 2020.01 )  
**A61K 6/70** ( 2020.01 )  
**A61L 27/06** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021385871  
 (21) 2021385871 (22) 29.11.2021  
 (54) INHIBITOR OF FIBROSIS PROGRESSION  
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**A61P 17/00** ( 2006.01 )  
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**A23L 29/10** ( 2016.01 )  
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 (54) METHODS AND COMPOSITIONS FOR TREATING FIBROTIC DISEASES  
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 AND METHOD FOR ENHANCING  
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 AND PHARMACEUTICAL COMPOS-  
 IITION FOR STABILIZING ACTIVE  
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 A47J 36/34 ( 2006.01 )  
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 (51) Int. Cl. E21B 6/00 ( 2006.01 )  
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 (51) Int. Cl. (51) Int. Cl.  
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 G06T 3/40 ( 2006.01 ) C22B 7/00 ( 2006.01 )  
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 C22B 25/00 ( 2006.01 )  
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 C22B 30/06 ( 2006.01 )  
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 (51) Int. Cl. (54) IMPROVED NITRILE HYDRATASE RE-  
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 C12N 9/88 ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61P 25/28** ( 2006.01 )  
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**C07H 1/06** ( 2006.01 )  
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**C12Q 1/68** ( 2018.01 )  
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**(72)** KELLEHER, Bill; SHAMASHKIN, Michael  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2021382645  
**(21)** 2021382645 **(22)** 18.11.2021  
**(54)** APPARATUS, SYSTEMS, AND METHODS FOR DETECTING AND MODELING MILL CHARGE BEHAVIOR  
**(51)** Int. Cl.  
**B02C 17/00** ( 2006.01 )  
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**(72)** HAMILTON, Ian  
**(74)** FB Rice Pty Ltd
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**(21)** 2021376364 **(22)** 05.11.2021  
**(54)** FCRN ANTIBODIES AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 21/04** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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- (71)** MONASH UNIVERSITY  
**(11)** AU-A-2021388074  
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**(54)** METHODS AND CELLULAR STRUCTURES  
**(51)** Int. Cl.  
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**C12N 5/071** ( 2010.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**G07C 9/30** ( 2020.01 )  
**G06V 20/52** ( 2022.01 )  
**G06V 40/20** ( 2022.01 )  
**G06N 3/02** ( 2006.01 )  
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**(54)** EXERCISE APPARATUS  
**(51)** Int. Cl.  
**A63B 21/22** ( 2006.01 )  
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**A63B 23/02** ( 2006.01 )  
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**A47G 29/087** ( 2006.01 )  
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*B63H 25/44* ( 2006.01 )  
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**A61B 5/026** ( 2006.01 )  
**A61H 9/00** ( 2006.01 )
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**B63C 1/06** ( 2006.01 )  
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**B01J 20/20** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**B09B 3/00** ( 2022.01 )  
**C01B 32/336** ( 2017.01 )  
**H01G 11/34** ( 2013.01 )

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MAGNETIC, AND CONVECTIVE AC-  
CELERATION OF CHEMICAL AND  
BIOCHEMICAL REACTIONS AND  
METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
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ON ACTIVE CONTROL OF FLOW  
RESISTANCE IN MICROFLUIDIC  
CHANNELS AND METHODS OF USE  
THEREOF  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
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LTD  
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**(21)** 2021414122 **(22)** 28.12.2021  
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TION AND METHOD  
**(51)** Int. Cl.  
**A61K 31/192** ( 2006.01 )  
**A61K 31/20** ( 2006.01 )  
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**(74)** Dark IP
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AGE AND DELIVERY OF ELECTRIC-  
AL ENERGY  
**(51)** Int. Cl.
- H01M 50/204** ( 2021.01 )  
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RIBS  
**(51)** Int. Cl.  
**B65D 1/02** ( 2006.01 )  
**B65D 23/10** ( 2006.01 )  
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**(54)** METHOD OF WINDING AND PACK-  
AGING WIDE WALLPAPER  
**(51)** Int. Cl.  
**B65H 18/28** ( 2006.01 )  
**B65B 63/02** ( 2006.01 )  
**B65B 63/04** ( 2006.01 )  
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**(72)** NICOLAESCU, Gheorghe  
**(74)** Dennemeyer & Associates
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**(54)** AEROSOL-GENERATING COMPON-  
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**(51)** Int. Cl.  
**A24D 1/20** ( 2020.01 )  
**A24F 40/465** ( 2020.01 )  
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**(72)** HEPWORTH, Richard; FALLON, Gary;  
HODGSON, Matthew  
**(74)** Spruson & Ferguson
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**(21)** 2021397878 **(22)** 13.12.2021  
**(54)** AEROSOL GENERATING MATERIAL  
**(51)** Int. Cl.  
**A24B 13/02** ( 2006.01 )  
**A24B 15/12** ( 2006.01 )  
**A24B 15/16** ( 2020.01 )  
**A24B 15/30** ( 2006.01 )  
**A24D 1/20** ( 2020.01 )  
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**(72)** BALLESTEROS GOMEZ, Pablo Javier;  
RIKO VINERSIANO, Brandhika; YOD-  
HANA PUTRA, Bayu; NOVAN HIDAY-  
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**(74)** Spruson & Ferguson
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**(11)** AU-A-2021361746  
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**(54)** RADIOACTIVE COMPLEXES OF  
ANTI-HER2 ANTIBODY, AND RADIO-  
PHARMACEUTICAL  
**(51)** Int. Cl.  
**C07K 1/13** ( 2006.01 )  
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**A61K 33/244** ( 2019.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
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**A61K 47/69** ( 2017.01 )  
**A61K 51/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
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**(72)** KAWATANI, Minoru; HANADA,  
Takahisa; TONOYA, Gota; TAKEDA,  
Takuya  
**(74)** Griffith Hack
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- (71)** NIPPON STEEL CORPORATION  
**(11)** AU-A-2021379233  
**(21)** 2021379233 **(22)** 11.11.2021  
**(54)** SURFACE-TREATED METAL SHEET  
**(51)** Int. Cl.  
**C23C 22/36** ( 2006.01 )  
**C22C 18/00** ( 2006.01 )  
**C22C 18/04** ( 2006.01 )  
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**(72)** SHOJI Hiromasa; UEDA Kohei; YON-  
ETANI Satoru; SUGITANI Tomokazu;  
SHIRAGAKI Nobuki  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021381168  
**(21)** 2021381168 **(22)** 18.11.2021  
**(54)** PLATED STEEL MATERIAL  
**(51)** Int. Cl.  
**C23C 2/06** ( 2006.01 )  
**C22C 18/00** ( 2006.01 )  
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**C23C 22/07** ( 2006.01 )  
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**H04L 45/76** ( 2022.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) PIPE JOINT INSERT DEVICE, PIPE JOINT ASSEMBLY, AND METHODS OF FORMING SAME  
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**F16J 15/10** ( 2006.01 )
- F16L 37/092** ( 2006.01 )  
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**G01R 33/26** ( 2006.01 )  
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 (21) 2021403084 (22) 16.12.2021  
 (54) ELECTROMETER WITH RYDBERG FREQUENCY TUNING  
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 (72) WALKER, Thad G.; IMHOF, Eric A.; JEFFERTS, Steven Ryan  
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 (54) ELECTROMETER SENSOR CONTROL SYSTEM  
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 (72) SHI, Xin; XING, David  
 (74) FPA Patent Attorneys Pty Ltd
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 (54) A SPACER SYSTEM, METHOD AND APPARATUS  
 (51) Int. Cl.  
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 (72) NORTON, Daryl Patrick  
 (74) GLMR
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 (54) MCL-1 INHIBITOR ANTIBODY-DRUG CONJUGATES AND METHODS OF USE  
 (51) Int. Cl.  
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**A61P 35/00** ( 2006.01 )  
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 (43) 02.06.2022  
 (72) BURGER, Matthew, T.; CHEN, Zhuoliang; D'ALESSIO, Joseph, Anthony; KLINTER, Claudia, Judith; MCNEILL, Eric; MUNDT, Cornelia, Anne; NAKAJIMA, Katsumasa; NEWCOMBE, Richard, Vaughan; PALERMO, Mark, G.; SCHWEIGHOFFER, Tamas; YU, Bing; WINKELBACH, Katharina; ZHANG, Qiang; BRESSON, Laura; COLLAND, Frédéric; MARAGNO, Ana, Leticia; ROCCHETTI, Francesca  
 (74) Spruson & Ferguson
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- (71) NOVARTIS AG; LES LABORATOIRES SERVIER  
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 (21) 2021386367 (22) 23.11.2021  
 (54) BCL-XL INHIBITOR ANTIBODY-DRUG CONJUGATES AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
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 (31) 63/117,763 (32) 24.11.20 (33) US  
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Edward Paul; DELACOUR, Lea;  
DESOS, Patrice; GENESTE, Olivier;  
KOSTOVA, Vesela; KOTSCHY, Andras;  
MARAGNO, Ana, Leticia; MURRAY,  
James, Brooke; NOVAK, Tibor; STAR-  
CK, Jérôme  
**(74)** Spruson & Ferguson
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- (71)** NOVARTIS AG  
**(11)** AU-A-2021388021  
**(21)** 2021388021 **(22)** 23.11.2021  
**(54)** ANTI-CD48 ANTIBODIES, ANTIBODY  
DRUG CONJUGATES, AND USES  
THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
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**(72)** D'ALESSIO, Joseph Anthony;  
KLINTER, Claudia Judith; MUNDT,  
Cornelia Anne; NEWCOMBE, Richard  
Vaughan; SCHWEIGHOFFER, Tamás;  
WINKELBACH, Katharina  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NOVARTIS AG  
**(11)** AU-A-2021390209  
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**(54)** DOSAGE REGIMEN FOR A NR2B-  
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TREATMENT OF DEPRESSION  
**(51)** Int. Cl.  
**A61K 31/40** ( 2006.01 )  
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GOMEZ-MANCILLA, Baltazar; PAPAN-  
ICOLAOU, Dimitris; SERBAN, Car-  
men-Gabriela; VON RAISON, Florian  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2021404953  
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**(54)** INDOLE DERIVATIVES USEFUL IN  
TREATING CONDITIONS ASSOCI-  
ATED WITH CGAS  
**(51)** Int. Cl.  
**C07D 403/14** ( 2006.01 )  
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GUERINI, Danilo; GUNZENHAUSER,  
Martin; HENG, Richard; PERRUCCIO,  
Francesca; SIMIC, Oliver; SPANKA,  
Carsten  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NOVATEK THERAPEUTICS, LLC  
**(11)** AU-A-2021368648  
**(21)** 2021368648 **(22)** 28.10.2021  
**(54)** COMPOSITIONS AND METHODS  
FOR PREVENTING AND TREATING  
CORONAVIRUSES  
**(51)** Int. Cl.  
**A61P 31/12** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/015** ( 2006.01 )  
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**(72)** SELIM, Abdulhafez; KASEB, Ahmed,  
Omar  
**(74)** FOUNDRY INTELLECTUAL PROP-  
ERTY PTY LTD
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- (71)** NOVY INVEST  
**(11)** AU-A-2021379089  
**(21)** 2021379089 **(22)** 15.11.2021  
**(54)** A COOKING ASSEMBLY  
**(51)** Int. Cl.  
**H05B 6/12** ( 2006.01 )  
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**(72)** HUISSEUNE, Henk  
**(74)** Madderns Pty Ltd
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- (71)** NUCLEIX LTD.  
**(11)** AU-A-2021384324  
**(21)** 2021384324 **(22)** 18.11.2021  
**(54)** DETECTING METHYLATION  
CHANGES IN DNA SAMPLES USING  
RESTRICTION ENZYMES AND HIGH  
THROUGHPUT SEQUENCING  
**(51)** Int. Cl.  
**C12Q 1/683** ( 2018.01 )  
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**(72)** FRUMKIN, Danny; WASSERSTROM,  
Adam; AXELRAD, Nimrod; KNIRSH,  
Revital  
**(74)** PIPERS
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- (71)** NUMAB THERAPEUTICS AG  
**(11)** AU-A-2021405059  
**(21)** 2021405059 **(22)** 23.12.2021  
**(54)** ANTIBODY VARIABLE DOMAINS  
THAT BIND IL-31  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61P 17/04** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
**(87)** WO2022/136672  
**(31)** 20216938.9 **(32)** 23.12.20 **(33)** EP  
20216957.9 23.12.20 EP  
20216928.0 23.12.20 EP  
**(43)** 30.06.2022  
**(72)** TIETZ, Julia; GUNDE, Tea; JOHANS-  
SON, Maria; WARMUTH, Stefan; SI-  
MONIN, Alexandre; HESS, Christian  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NUMAB THERAPEUTICS AG  
**(11)** AU-A-2021405060  
**(21)** 2021405060 **(22)** 23.12.2021  
**(54)** ANTIBODY VARIABLE DOMAINS  
THAT BIND IL-4R  
**(51)** Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**G01N 33/564** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2022/136675  
**(31)** 20216928.0 **(32)** 23.12.20 **(33)** EP  
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**(43)** 30.06.2022  
**(72)** TIETZ, Julia; GUNDE, Tea; JOHANS-  
SON, Maria; WARMUTH, Stefan; SI-  
MONIN, Alexandre; HESS, Christian  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NUMAB THERAPEUTICS AG  
**(11)** AU-A-2021405066  
**(21)** 2021405066 **(22)** 23.12.2021  
**(54)** ANTIBODY VARIABLE DOMAINS AND  
ANTIBODIES HAVING DECREASED  
IMMUNOGENICITY  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2022/136693  
**(31)** 20216957.9 **(32)** 23.12.20 **(33)** EP  
21154786.4 02.02.21 EP  
PCT/  
EP2021/064427 28.05.21 EP  
**(43)** 30.06.2022  
**(72)** JOHANSSON, Maria; TIETZ, Julia;  
WARMUTH, Stefan; BROCK, Matthias  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NUOVO PIGNONE TECNOLOGIE -  
S.R.L.  
**(11)** AU-A-2021390006  
**(21)** 2021390006 **(22)** 24.11.2021  
**(54)** COMPRESSOR FOR CO2 CYCLE  
WITH AT LEAST TWO CASCADE  
COMPRESSION STAGES FOR AS-  
SURING SUPERCRITICAL CONDI-  
TIONS  
**(51)** Int. Cl.  
**F04D 1/02** ( 2006.01 )  
**F04D 17/02** ( 2006.01 )  
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**F04D 25/16** ( 2006.01 )



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**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** O&M HALYARD, INC.  
**(11)** AU-A-2021397703  
**(21)** 2021397703 **(22)** 06.12.2021  
**(54)** DAMP HAND DONNING AND MOISTURIZING GLOVE  
**(51)** Int. Cl.  
**C09D 133/14** ( 2006.01 )  
**A41D 19/00** ( 2006.01 )  
**A61B 42/10** ( 2016.01 )  
**C09D 5/02** ( 2006.01 )  
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**(31)** 63/122,099 **(32)** 07.12.20 **(33)** US  
**(43)** 16.06.2022  
**(72)** MODHA, Shantilal H.; BURNHAM, Jason A.; SAELIM, Tantima; WRIGHT, Audra; GREISBACH, III, Henry L.  
**(74)** GLMR
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- (71)** O2 PARTNERS, LLC  
**(11)** AU-A-2021390457  
**(21)** 2021390457 **(22)** 24.11.2021  
**(54)** BIODEGRADABLE, INDUSTRIALLY COMPOSTABLE, AND RECYCLABLE INJECTION MOLDED MICROCELLULAR FLEXIBLE FOAMS  
**(51)** Int. Cl.  
**B29C 44/10** ( 2006.01 )  
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**B29C 44/38** ( 2006.01 )  
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**(31)** 63/119,691 **(32)** 01.12.20 **(33)** US  
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**(72)** FALKEN, Robert; BARRETT, Glenn, A.; BARRETT, John, Robert  
**(74)** Spruson & Ferguson
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- (71)** OBI PHARMA, INC.  
**(11)** AU-A-2022219922  
**(21)** 2022219922 **(22)** 09.02.2022  
**(54)** GLOBO SERIES ANTIGENS-BINDING CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**C07K 16/28** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(87)** WO2022/173772  
**(31)** 63/147,441 **(32)** 09.02.21 **(33)** US  
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**(43)** 18.08.2022  
**(72)** LAI, Ming-Tain; LAI, Jiann-Shiun; JIAN, Shiou-Ling; YU, Jhang-Sian; CHAN, Woan-Eng  
**(74)** ALDRICH PROJECTS PTY LTD
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- (71)** OCADO INNOVATION LIMITED  
**(11)** AU-A-2021391551  
**(21)** 2021391551 **(22)** 01.12.2021  
**(54)** PIXELWISE PREDICTIONS FOR GRASP GENERATION  
**(51)** Int. Cl.  
**B25J 9/16** ( 2006.01 )  
**(87)** WO2022/119962  
**(31)** 63/120,624 **(32)** 02.12.20 **(33)** US  
**(43)** 09.06.2022  
**(72)** RUDY, Jan Stanislaw; BERGSTRA, James Sterling  
**(74)** James & Wells Intellectual Property
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- (71)** OGIVE TECHNOLOGY, INC.  
**(11)** AU-A-2021372513  
**(21)** 2021372513 **(22)** 28.10.2021  
**(54)** DYNAMICALLY CONTROLLABLE SPRAY NOZZLE, CONTROL SYSTEM, AND METHOD  
**(51)** Int. Cl.  
**B05B 1/32** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )  
**B05B 1/12** ( 2006.01 )  
**B05B 12/12** ( 2006.01 )  
**B05B 15/525** ( 2018.01 )  
**B05B 15/528** ( 2018.01 )  
**(87)** WO2022/094138  
**(31)** 63/107,043 **(32)** 29.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** GILES, Durham Kenimer; HOLTZ, Andrew J.  
**(74)** FB Rice Pty Ltd
- 
- (71)** OIL TECHNOLOGY GROUP, LLC; GOULD, T.; SOLOW, J.; SZABO, D.J.  
**(11)** AU-A-2021376105  
**(21)** 2021376105 **(22)** 31.10.2021  
**(54)** METHOD AND SYSTEM FOR ENHANCED OIL RECOVERY  
**(51)** Int. Cl.  
**E21B 43/22** ( 2006.01 )  
**C09K 8/592** ( 2006.01 )  
**C09K 8/64** ( 2006.01 )  
**C09K 8/80** ( 2006.01 )  
**C09K 8/86** ( 2006.01 )  
**E21B 43/24** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**E21B 43/40** ( 2006.01 )  
**(87)** WO2022/098587  
**(31)** 17/087,814 **(32)** 03.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** GOULD, Thomas; SOLOW, Jon; SZABO, David J.  
**(74)** WRAYS PTY LTD
- 
- (71)** OLD DOMINION BRUSH COMPANY  
**(11)** AU-A-2021383821  
**(21)** 2021383821 **(22)** 19.11.2021  
**(54)** CABLE BROOM  
**(51)** Int. Cl.  
**A46B 13/00** ( 2006.01 )  
**E01H 1/05** ( 2006.01 )  
**(87)** WO2022/109288  
**(31)** 63/116,450 **(32)** 20.11.20 **(33)** US  
 17/353,321 21.06.21 US
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- (43)** 27.05.2022  
**(72)** CALLOWAY, Britt R.; MAYES, Robert; STUMPH, Tim; TURNER, Chris  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** OLD DOMINION BRUSH COMPANY  
**(11)** AU-A-2021383822  
**(21)** 2021383822 **(22)** 19.11.2021  
**(54)** GUTTER BROOM  
**(51)** Int. Cl.  
**A46B 7/04** ( 2006.01 )  
**A46B 3/14** ( 2006.01 )  
**A46B 13/00** ( 2006.01 )  
**E01H 1/05** ( 2006.01 )  
**(87)** WO2022/109290  
**(31)** 63/116,263 **(32)** 20.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** CALLOWAY, Britt R.; COKER, Josh; MAYES, Robert; STUMPH, Tim; TURNER, Chris  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** OMICRON ELECTRONICS GMBH  
**(11)** AU-A-2021372639  
**(21)** 2021372639 **(22)** 25.10.2021  
**(54)** ELECTRICAL POWER SYSTEM WITH IMPROVED FUNCTIONAL SECURITY  
**(51)** Int. Cl.  
**H02H 7/26** ( 2006.01 )  
**(87)** WO2022/090103  
**(31)** 17/081,163 **(32)** 27.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** APOSTOLOV, Alexander; KLIEN, Andreas  
**(74)** FB Rice Pty Ltd
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- (71)** ONE CUP PRODUCTIONS LTD.  
**(11)** AU-A-2021359652  
**(21)** 2021359652 **(22)** 14.10.2021  
**(54)** ANIMAL VISUAL IDENTIFICATION, TRACKING, MONITORING AND ASSESSMENT SYSTEMS AND METHODS THEREOF  
**(51)** Int. Cl.  
**A01K 29/00** ( 2006.01 )  
**A01K 11/00** ( 2006.01 )  
**G06Q 50/02** ( 2012.01 )  
**(87)** WO2022/077113  
**(31)** 63/091,697 **(32)** 14.10.20 **(33)** US  
**(43)** 21.04.2022  
**(72)** SHMIGELSKY, Jeffrey; SHMIGELSKY, Mocha; LOVETT, Madison; CHO, Philip  
**(74)** FAL PATENTS PTY LTD
- 
- (71)** ONEKA TECHNOLOGIES  
**(11)** AU-A-2021387019  
**(21)** 2021387019 **(22)** 26.11.2021  
**(54)** WAVE-ACTUATED SYSTEM, WAVE ENERGY CONVERTER SUBSYSTEM, AND METHOD FOR OPERATING A REVERSE-OSMOSIS DESALINATION SUBSYSTEM  
**(51)** Int. Cl.  
**F03B 13/18** ( 2006.01 )  
**B01D 61/02** ( 2006.01 )  
**B01D 61/08** ( 2006.01 )  
**B01D 61/10** ( 2006.01 )

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- B01D 61/12** ( 2006.01 )  
**B01D 61/14** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
**C02F 1/44** ( 2023.01 )  
**(87)** WO2022/113024  
**(31)** 63/118,718 **(32)** 26.11.20 **(33)** US  
**(43)** 02.06.2022  
**(72)** TUTIC, Dragan; CHARRON, Elliot;  
PERRON, Gilbert; MICHAUD, Jean-  
Luc; CARON, Yannick; SAVARD, Alex-  
andre; LAFORTUNE, Renaud; DION,  
Joel; COTE, Pierre; GASSARA, Sana;  
BRODERSEN, Katie  
**(74)** SR Intellectual Property
- 
- (71)** ONEPASS MEDICAL LTD.  
**(11)** AU-A-2021396871  
**(21)** 2021396871 **(22)** 09.12.2021  
**(54)** MULTI-NEEDLE ABLATION PROBE  
**(51)** Int. Cl.  
**A61B 18/14** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**(87)** WO2022/123578  
**(31)** 63/123,545 **(32)** 10.12.20 **(33)** US  
**(43)** 16.06.2022  
**(72)** BEN ARIE, Jacob  
**(74)** Collison & Co
- 
- (71)** ONO PHARMACEUTICAL CO., LTD.;  
TOHOKU UNIVERSITY  
**(11)** AU-A-2021387127  
**(21)** 2021387127 **(22)** 29.11.2021  
**(54)** HER2 TARGETING AGENT  
**(51)** Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
**(87)** WO2022/114163  
**(31)** 2020-198044 **(32)** 30.11.20 **(33)** JP  
2021-110912 02.07.21 JP  
**(43)** 02.06.2022  
**(72)** KATO Yukinari; KANEKO Mika; NA-  
KAYAMA Daisuke; KUROGI Masayuki  
**(74)** Spruson & Ferguson
- 
- (71)** OPUS 12 INCORPORATED  
**(11)** AU-A-2021365135  
**(21)** 2021365135 **(22)** 20.10.2021  
**(54)** SEMI-INTERPENETRATING AND  
CROSSLINKED POLYMERS AND  
MEMBRANES THEREOF  
**(51)** Int. Cl.  
**B01J 39/18** ( 2017.01 )  
**B01D 71/38** ( 2006.01 )  
**H01G 9/042** ( 2006.01 )  
**(87)** WO2022/087167  
**(31)** 63/093,790 **(32)** 20.10.20 **(33)** US  
**(43)** 28.04.2022  
**(72)** WANG, Lihui; HUO, Ziyang; SHEN,  
Chengtian  
**(74)** Spruson & Ferguson
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- (71)** OREGON TOOL, INC.  
**(11)** AU-A-2021380759  
**(21)** 2021380759 **(22)** 11.11.2021  
**(54)** TARGETED OIL DELIVERY FOR  
CHAIN SAW BARS  
**(51)** Int. Cl.  
**B23D 57/02** ( 2006.01 )  
**B27B 17/12** ( 2006.01 )  
**(87)** WO2022/103985  
**(31)** 63/113,098 **(32)** 12.11.20 **(33)** US  
17/524,543 11.11.21 US  
**(43)** 19.05.2022  
**(72)** BURMESTER, Eric M.; HARFST, Mi-  
chael D.; HUTSELL, Sam; MCDER-  
MOTT, Genesis; SELLARS, Patrick;  
CUNNINGTON, James Matthew;  
SMITH SEDAGHATY, Jonah  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** ORGANOX LIMITED  
**(11)** AU-A-2021386780  
**(21)** 2021386780 **(22)** 23.11.2021  
**(54)** PRECISION OXYGEN FLOW CON-  
TROL FOR ORGAN PERFUSION SYS-  
TEMS  
**(51)** Int. Cl.  
**A01N 1/02** ( 2006.01 )  
**(87)** WO2022/112746  
**(31)** 2018460.2 **(32)** 24.11.20 **(33)** GB  
**(43)** 02.06.2022  
**(72)** VOYCE, Daniel; COUSSIOS, Con-  
stantin  
**(74)** Spruson & Ferguson
- 
- (71)** OSPREY BIOPHARMACEUTICALS,  
INC.  
**(11)** AU-A-2022206323  
**(21)** 2022206323 **(22)** 10.01.2022  
**(54)** HYPOIMMUNOGENIC BIOTHERA-  
PEUTICS  
**(51)** Int. Cl.  
**A61K 31/715** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07H 5/04** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
**(87)** WO2022/150726  
**(31)** 63/136,128 **(32)** 11.01.21 **(33)** US  
**(43)** 14.07.2022  
**(72)** GLYNNE, Richard James; AIVAZIAN,  
Tigran  
**(74)** FB Rice Pty Ltd
- 
- (71)** OSSIANIX, INC.  
**(11)** AU-A-2021377210  
**(21)** 2021377210 **(22)** 09.11.2021  
**(54)** HIGH AFFINITY HUMAN AND MON-  
KEY SPECIFIC TFR-1 VNARS  
**(51)** Int. Cl.  
**C07K 16/18** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(87)** WO2022/103769  
**(31)** 63/112,314 **(32)** 11.11.20 **(33)** US  
63/234,210 17.08.21 US  
**(43)** 19.05.2022  
**(72)** STOCKI, Pawel; SZARY, Jaroslaw  
Michal; WICHER, Krzysztof Bartlomiej;  
THEI, Laura; RUTKOWSKI, Julia Lynn;
- 
- DEMYDCHUK, Mykhaylo; COKER,  
Shu-Fen  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** OXFORD UNIVERSITY INNOVATION  
LIMITED  
**(11)** AU-A-2021406035  
**(21)** 2021406035 **(22)** 21.12.2021  
**(54)** TREATMENT OF DISORDERS ASSO-  
CIATED WITH LOW BH4 BIOAVAILAB-  
ILITY  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/136851  
**(31)** 2020285.9 **(32)** 21.12.20 **(33)** GB  
2108231.8 09.06.21 GB  
**(43)** 30.06.2022  
**(72)** CHANNON, Keith  
**(74)** SR Intellectual Property
- 
- (71)** OZGREEN ENERGY PTY LTD  
**(11)** AU-A-2021401999  
**(21)** 2021401999 **(22)** 17.12.2021  
**(54)** SYSTEM AND METHOD FOR MONIT-  
ORING WATER QUALITY  
**(51)** Int. Cl.  
**G01N 33/18** ( 2006.01 )  
**H04W 4/38** ( 2018.01 )  
**(87)** WO2022/126194  
**(31)** 2020904744 **(32)** 18.12.20 **(33)** AU  
**(43)** 23.06.2022  
**(72)** MCKELVEY, Len  
**(74)** Michael Buck IP
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- (71)** PAIRWISE PLANTS SERVICES, INC.  
**(11)** AU-A-2021382728  
**(21)** 2021382728 **(22)** 23.11.2021  
**(54)** AGROBACTERIUM RHIZOGENES  
AND METHODS OF TRANSFORMING  
CELLS  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**A01H 4/00** ( 2006.01 )  
**C12N 15/84** ( 2006.01 )  
**(87)** WO2022/109448  
**(31)** 63/117,173 **(32)** 23.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** LAI, Fang-Ming; DEAN, Eric; CHENG,  
Ming; REINER, Joel; SHI, Qingchun;  
SCHWARK, David; GUFFY, Sharon  
Leigh; HUMMEL, Aaron  
**(74)** RnB IP
- 
- (71)** PANPAC ENGINEERING A/S  
**(11)** AU-A-2021395923  
**(21)** 2021395923 **(22)** 07.12.2021  
**(54)** SYSTEM FOR ALIGNMENT OF BIG  
BAGS AND METHOD THEREFORE  
**(51)** Int. Cl.  
**B65B 43/36** ( 2006.01 )  
**B65B 43/52** ( 2006.01 )  
**B65B 57/04** ( 2006.01 )  
**B65B 61/00** ( 2006.01 )  
**B65G 47/22** ( 2006.01 )  
**B65G 47/244** ( 2006.01 )

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- B65B 1/06* ( 2006.01 )  
**(87)** WO2022/122103  
**(31)** PA202070819 **(32)** 08.12.20 **(33)** DK  
**(43)** 16.06.2022  
**(72)** NIELSEN, Christian Torp; PEDERSEN, Lasse  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** PARKER, J.; KRISTEN, A.D.  
**(11)** AU-A-2020392955  
**(21)** 2020392955 **(22)** 30.11.2020  
**(54)** IMPROVEMENTS RELATING TO HYDROCARBON RECOVERY  
**(51)** Int. Cl.  
*F03G 7/04* ( 2006.01 )  
**(87)** WO2021/105725  
**(43)** 03.06.2021  
**(72)** PARKER, Julian; KRISTEN, Andre Dawson  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
- 
- (71)** PATIL, R.S.  
**(11)** AU-A-2021399225  
**(21)** 2021399225 **(22)** 28.01.2021  
**(54)** SYSTEM AND METHOD FOR FACILITATING TRANSACTION OF AT LEAST ONE OF A PRODUCT AND A SERVICE  
**(51)** Int. Cl.  
*G06Q 30/00* ( 2023.01 )  
*G06Q 30/06* ( 2023.01 )  
**(87)** WO2022/130029  
**(31)** 202021054526 **(32)** 15.12.20 **(33)** IN  
**(43)** 23.06.2022  
**(72)** PATIL, Rajendra Shahajirao  
**(74)** Rajendra Shahajirao Patil
- 
- (71)** PATRIA LAND OY  
**(11)** AU-A-2021386487  
**(21)** 2021386487 **(22)** 22.11.2021  
**(54)** PROJECTILE AND METHOD FOR STOPPING AERIAL VEHICLES  
**(51)** Int. Cl.  
*F41H 11/02* ( 2006.01 )  
*F41H 11/04* ( 2006.01 )  
*F41H 13/00* ( 2006.01 )  
*F42B 12/36* ( 2006.01 )  
*F42B 12/56* ( 2006.01 )  
**(87)** WO2022/112653  
**(31)** 20206193 **(32)** 24.11.20 **(33)** FI  
**(43)** 02.06.2022  
**(72)** SAARIKKO, Matti; LEMMETYINEN, Jari; TOIVONEN, Vesa; PAIJA, Markku  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** PAYPAL, INC.  
**(11)** AU-A-2021383919  
**(21)** 2021383919 **(22)** 16.11.2021  
**(54)** DEFENDING MULTI-FACTOR AUTHENTICATION AGAINST PHISHING  
**(51)** Int. Cl.  
*H04W 12/06* ( 2021.01 )  
*G06Q 20/36* ( 2012.01 )  
*H04W 12/08* ( 2021.01 )  
**(87)** WO2022/109543  
**(31)** 16/953,115 **(32)** 19.11.20 **(33)** US
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- (43)** 27.05.2022  
**(72)** KAIDI, George Chen  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** PAYPAL, INC.  
**(11)** AU-A-2021401661  
**(21)** 2021401661 **(22)** 15.12.2021  
**(54)** INTEGRATION OF FRAGMENT MODULES IN USER INTERFACES  
**(51)** Int. Cl.  
*G06F 9/451* ( 2018.01 )  
*G06F 3/0482* ( 2013.01 )  
**(87)** WO2022/132842  
**(31)** 17/122,391 **(32)** 15.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** KOTOV, Arseniy; SOMANI, Suket Ramkishan; TIWARI, Ankur; WOO, Titus  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** PDC MACHINES INC.  
**(11)** AU-A-2021373897  
**(21)** 2021373897 **(22)** 09.11.2021  
**(54)** ACTIVE OIL INJECTION SYSTEM FOR A DIAPHRAGM COMPRESSOR  
**(51)** Int. Cl.  
*F04B 43/06* ( 2006.01 )  
*F04B 45/04* ( 2006.01 )  
*F04B 45/053* ( 2006.01 )  
*F16K 7/17* ( 2006.01 )  
*G01F 11/08* ( 2006.01 )  
**(87)** WO2022/099219  
**(31)** 63/277,125 **(32)** 08.11.21 **(33)** US  
63/111,356 09.11.20 US  
**(43)** 12.05.2022  
**(72)** BABBIT, Guy; TURNER, Chris; WHITEHILL, Bryce; SPRENGEL, Michael; AFZAL, Kareem  
**(74)** AJ PARK
- 
- (71)** PDC MACHINES INC.  
**(11)** AU-A-2021375053  
**(21)** 2021375053 **(22)** 09.11.2021  
**(54)** HYDRAULICALLY DRIVEN DIAPHRAGM COMPRESSOR SYSTEM  
**(51)** Int. Cl.  
*E02F 9/22* ( 2006.01 )  
*F04B 43/067* ( 2006.01 )  
*F04B 45/053* ( 2006.01 )  
*F04B 49/06* ( 2006.01 )  
*F15B 11/00* ( 2006.01 )  
*F15B 13/04* ( 2006.01 )  
**(87)** WO2022/099220  
**(31)** 63/277,125 **(32)** 08.11.21 **(33)** US  
63/111,356 09.11.20 US  
**(43)** 12.05.2022  
**(72)** BABBIT, Guy; TURNER, Chris; WHITEHILL, Bryce; SPRENGEL, Michael; SCHAICH, Noah; PALMISCNO, Kyle; BECKERMAN, Alex; AFZAL, Kareem; JOHNSON, Carl, T.  
**(74)** AJ PARK
- 
- (71)** PEGAPOD LLC  
**(11)** AU-A-2021391799  
**(21)** 2021391799 **(22)** 03.12.2021
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- (54)** SYSTEM AND METHOD FOR PROVIDING ELECTRICAL POWER TO A TETHERED AERIAL VEHICLE  
**(51)** Int. Cl.  
*B64C 39/02* ( 2023.01 )  
*B64C 37/02* ( 2006.01 )  
*B64F 3/02* ( 2006.01 )  
**(87)** WO2022/120134  
**(31)** 63/121,938 **(32)** 06.12.20 **(33)** US  
63/149,660 15.02.21 US  
**(43)** 09.06.2022  
**(72)** BOSTICK, Randall  
**(74)** Wallington-Dummer
- 
- (71)** PEKING UNIVERSITY  
**(11)** AU-A-2021407750  
**(21)** 2021407750 **(22)** 20.12.2021  
**(54)** METHOD FOR AUTOMATIC PREPARATION OF FONDAPARINUX SODIUM PENTOSACCHARIDE INTERMEDIATE  
**(51)** Int. Cl.  
*C07H 15/203* ( 2006.01 )  
*C07H 1/00* ( 2006.01 )  
**(87)** WO2022/135319  
**(31)** 202011518943.5 **(32)** 21.12.20 **(33)** CN  
**(43)** 30.06.2022  
**(72)** YE, Xinshan; YAO, Wenlong; XIONG, Decai  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** PERFECT DAY, INC.  
**(11)** AU-A-2021377901  
**(21)** 2021377901 **(22)** 15.11.2021  
**(54)** METHODS AND COMPOSITIONS FOR PRODUCING RECOMBINANT COMPONENTS FOR USE IN FOOD AND OTHER PRODUCTS  
**(51)** Int. Cl.  
*C12N 15/11* ( 2006.01 )  
**(87)** WO2022/104227  
**(31)** 63/113,729 **(32)** 13.11.20 **(33)** US  
63/175,278 15.04.21 US  
**(43)** 19.05.2022  
**(72)** GEISTLINGER, Timothy; JENSEN, Heather; JHALA, Ravirajsinh; MEERMAN, Hendrik; WAGONER, Ty; JOHNSON, Timothy Scott; WU, Vincent Wei-Xiang; MANEA, Francesca; RAMESH, Balakrishnan  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71)** PERKINELMER U.S. LLC  
**(11)** AU-A-2022209180  
**(21)** 2022209180 **(22)** 11.01.2022  
**(54)** FINGER-TIGHT GAS CHROMATOGRAPH (GC) COLUMN CONNECTIONS  
**(51)** Int. Cl.  
*G01N 30/60* ( 2006.01 )  
*F16L 49/06* ( 2006.01 )  
*G01N 30/02* ( 2006.01 )  
**(87)** WO2022/155124  
**(31)** 63/138,631 **(32)** 18.01.21 **(33)** US  
**(43)** 21.07.2022  
**(72)** TOLLEY, Samuel; BAILEY, Christopher  
**(74)** RnB IP Pty Ltd

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(71) PERRON INSTITUTE FOR NEUROLOGICAL AND TRANSLATIONAL SCIENCE LIMITED  
 (11) AU-A-2021394117  
 (21) 2021394117 (22) 08.11.2021  
 (54) COMPOSITIONS AND METHODS FOR TREATING TARDBP ASSOCIATED DISEASES  
 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
 (87) WO2022/120410  
 (31) 2020904531 (32) 07.12.20 (33) AU  
 (43) 16.06.2022  
 (72) MEJZINI, Rita; AKKARI, Patrick Anthony; FLYNN, Loren Louise; WILTON, Stephen, Donald; FLETCHER, Sue  
 (74) WRAYS PTY LTD

(71) PETROLIAM NASIONAL BERHAD (PETRONAS)  
 (11) AU-A-2021388449  
 (21) 2021388449 (22) 24.11.2021  
 (54) METHODS AND SYSTEMS FOR ANALYZING EQUIPMENT  
 (51) Int. Cl.  
*G01M 99/00* ( 2011.01 )  
*G06Q 50/10* ( 2012.01 )  
*G08B 21/18* ( 2006.01 )  
 (87) WO2022/114948  
 (31) PI2020006225 (32) 25.11.20 (33) MY  
 (43) 02.06.2022  
 (72) ABD RAHMAN SABRI, Harris Bin; MUSTAFA, Musreen Azwan B  
 (74) Michael Buck IP

(71) PFIZER INC.  
 (11) AU-A-2021378113  
 (21) 2021378113 (22) 12.11.2021  
 (54) SYSTEM AND METHOD FOR NEEDLE HIDING IN INJECTORS  
 (51) Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61M 5/24* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
 (87) WO2022/101844  
 (31) 63/114,008 (32) 16.11.20 (33) US  
 (43) 19.05.2022  
 (72) KACHLER, Ilan; NAAMAN, Idan; PORAT, Amotz; SHEFER, Tom  
 (74) Allens Patent & Trade Mark Attorneys

(71) PHOTON VAULT, LLC  
 (11) AU-A-2021374494  
 (21) 2021374494 (22) 27.06.2021  
 (54) MULTI-TEMPERATURE HEAT COLLECTION SYSTEM  
 (51) Int. Cl.  
*F24S 10/00* ( 2018.01 )  
*F24S 10/40* ( 2018.01 )  
*F24S 10/50* ( 2018.01 )  
*F24S 10/75* ( 2018.01 )  
*F28F 21/02* ( 2006.01 )  
 (87) WO2022/098398  
 (31) 17/093,063 (32) 09.11.20 (33) US  
 (43) 12.05.2022  
 (72) MCCORMICK, Kentwell, Lee  
 (74) Davies Collison Cave Pty Ltd

(71) PIGGY LLC  
 (11) AU-A-2021372485  
 (21) 2021372485 (22) 27.10.2021  
 (54) IMPROVED SECURE TRANSACTION PROCESS UTILIZING INTEGRATION LAYER  
 (51) Int. Cl.  
*G06Q 20/00* ( 2012.01 )  
 (87) WO2022/093998  
 (31) 63/106,755 (32) 28.10.20 (33) US  
 (43) 05.05.2022  
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 (74) Davies Collison Cave Pty Ltd

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 (21) 2021401884 (22) 08.12.2021  
 (54) CELL PENETRATING PEPTIDE MEDIATED RNA TRANSDUCTION WITHIN INSECT CELLS  
 (51) Int. Cl.  
*C07K 7/00* ( 2006.01 )  
*A01N 25/00* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/79* ( 2006.01 )  
*C12N 15/87* ( 2006.01 )  
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 (54) INTEGRIN INHIBITOR AND USES THEREOF  
 (51) Int. Cl.  
*A61M 31/00* ( 2006.01 )  
*C07D 207/48* ( 2006.01 )  
*C07D 211/96* ( 2006.01 )  
 (87) WO2022/109598  
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 (72) CHA, Jacob; LEFTHERIS, Katerina; QI, Gao; WANG, Jian; ZHAO, Dalian  
 (74) AJ PARK

(71) PLUS THERAPEUTICS, INC.; NANOTX, CORP.  
 (11) AU-A-2021381376  
 (21) 2021381376 (22) 18.11.2021  
 (54) RADIOLABELED LIPOSOMES AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 9/127* ( 2006.01 )  
*A61K 51/00* ( 2006.01 )  
*A61K 51/12* ( 2006.01 )  
*C07F 13/00* ( 2006.01 )  
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 (72) STEIN, Gregory D.; HEDRICK, Marc; RICE, Cheryl; BRENNER, Andrew; BAO, Ande; PHILLIPS, William  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021397247 (22) 07.12.2021  
 (54) PRODUCING FUNCTIONAL MICROBIAL CONSORTIA  
 (51) Int. Cl.  
*C12Q 1/06* ( 2006.01 )  
*A61K 35/74* ( 2015.01 )  
*C12Q 1/68* ( 2018.01 )  
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 (31) 63/122,889 (32) 08.12.20 (33) US  
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 (74) Davies Collison Cave Pty Ltd

(71) POPSOLAR TECHNOLOGY (TAIXING) CO., LTD  
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 (54) BORON DIFFUSION METHOD SUITABLE FOR HBC BATTERY  
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*H01L 31/18* ( 2006.01 )  
*H01L 21/223* ( 2006.01 )  
 (87) WO2022/166040  
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 (72) OU, Wenkai  
 (74) Uninno IP

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 (11) AU-A-2021373552  
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 (54) ENERGY CONTROL UTILIZING A VIRTUAL POWER PLANT  
 (51) Int. Cl.  
*H02J 3/32* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
*H02J 7/00* ( 2006.01 )  
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 (11) AU-A-2021376041  
 (21) 2021376041 (22) 12.10.2021  
 (54) SYSTEMS, METHODS, AND INTERFACES FOR IDENTIFYING COATING SURFACES  
 (51) Int. Cl.

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**(43)** 12.05.2022  
**(72)** GROVES, Francis J.; CHROBAK, Kathleen M.; WRIGHT, William R.  
**(74)** Minter Ellison
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**(11)** AU-A-2021377193  
**(21)** 2021377193 **(22)** 09.11.2021  
**(54)** TRANSCERVICAL ACCESS SYSTEMS FOR INTRAUTERINE FLUID EXCHANGE, SUCH AS PLACEMENT OF HYDROGELS FORMED IN SITU  
**(51)** Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**(87)** WO2022/103762  
**(31)** 63/113,013 **(32)** 12.11.20 **(33)** US  
 17/494,752 05.10.21 US  
**(43)** 19.05.2022  
**(72)** BASSETT, Michael; FELDBERG, Ian  
**(74)** Griffith Hack
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- (71)** PRAMAND LLC  
**(11)** AU-A-2021377880  
**(21)** 2021377880 **(22)** 11.11.2021  
**(54)** HYDROGELS FORMED IN SITU AND COMPOSITION DESIGN FOR INTRAUTERINE USE  
**(51)** Int. Cl.  
**A61K 31/4439** ( 2006.01 )  
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**(43)** 19.05.2022  
**(72)** BASSETT, Michael; FELDBERG, Ian  
**(74)** Griffith Hack
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- (71)** PRECIGEN, INC.  
**(11)** AU-A-2021385551  
**(21)** 2021385551 **(22)** 23.11.2021  
**(54)** HUMAN PAPILOMA VIRUS VACCINES AND USES OF THE SAME FOR HPV ASSOCIATED DISEASES  
**(51)** Int. Cl.  
**A61P 31/12** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 47/42** ( 2017.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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- (71)** PRECISION BIOSCIENCES, INC.  
**(11)** AU-A-2021380823  
**(21)** 2021380823 **(22)** 12.11.2021  
**(54)** ENGINEERED MEGANUCLEASES HAVING SPECIFICITY FOR RECOGNITION SEQUENCES IN THE DYSTROPHIN GENE  
**(51)** Int. Cl.
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**C07K 14/47** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd
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- (71)** PRELUDE THERAPEUTICS INCORPORATED  
**(11)** AU-A-2021376415  
**(21)** 2021376415 **(22)** 08.11.2021  
**(54)** BRM TARGETING COMPOUNDS AND ASSOCIATED METHODS OF USE  
**(51)** Int. Cl.  
**C07D 471/14** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 487/14** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** PRESIDENT AND FELLOWS OF HARVARD COLLEGE  
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**(21)** 2021378965 **(22)** 12.11.2021  
**(54)** SYSTEMS AND METHODS FOR ADVANCING REACTIONS BETWEEN MULTIPLE CHAMBERS OF A TESTING DEVICE  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
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**(21)** 2021390491 **(22)** 01.12.2021  
**(54)** ENGINEERED PROBIOTIC COMPOSITIONS AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 35/744** ( 2015.01 )  
**A61K 38/50** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12N 15/65** ( 2006.01 )  
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**(72)** CUBILLOS, Andres Fernando; COLLINS, James J.  
**(74)** James & Wells Intellectual Property
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**(11)** AU-A-2022298468  
**(21)** 2022298468 **(22)** 09.06.2022  
**(54)** SYSTEM AND PROCESS FOR ANTHRACINONE FUNCTIONALIZATION  
**(51)** Int. Cl.  
**C07C 51/377** ( 2006.01 )  
**C07C 46/00** ( 2006.01 )  
**C07C 59/90** ( 2006.01 )  
**C25B 1/04** ( 2021.01 )  
**C25B 3/07** ( 2021.01 )  
**C25B 3/23** ( 2021.01 )  
**C25B 3/25** ( 2021.01 )  
**C25B 3/29** ( 2021.01 )  
**H01M 8/18** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2021383325  
**(21)** 2021383325 **(22)** 19.11.2021  
**(54)** USE OF PRIDOPIDINE AND ANALOGS FOR TREATING RETT SYNDROME  
**(51)** Int. Cl.  
**A61K 31/451** ( 2006.01 )  
**A61K 31/4418** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
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**(43)** 27.05.2022  
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**(74)** Griffith Hack
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- (71)** PRINCE, T.L.  
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**(21)** 2021369663 **(22)** 28.10.2021  
**(54)** SYSTEMS, APPLICATORS, AND METHODS FOR ADMINISTERING MULTIPLE ALLERGENS INTO THE SKIN OF A PATIENT  
**(51)** Int. Cl.  
**A61B 50/20** ( 2016.01 )  
**A61B 50/00** ( 2016.01 )  
**A61B 50/22** ( 2016.01 )  
**A61B 50/33** ( 2016.01 )  
**(87)** WO2022/094020  
**(31)** 63/106,793 **(32)** 28.10.20 **(33)** US  
 63/171,995 07.04.21 US  
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(21) 2021366392 (22) 22.10.2021  
(54) SMART MATTRESS WITH ADAPTIVE ACTUATION SYSTEM  
(51) Int. Cl.  
A47C 27/08 (2006.01)  
A47C 31/12 (2006.01)  
F15B 5/00 (2006.01)  
F15B 15/00 (2006.01)  
A41D 1/00 (2018.01)  
A41D 31/04 (2019.01)  
B60N 2/90 (2018.01)  
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(31) 63/105,129 (32) 23.10.20 (33) US  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2021378638 (22) 11.11.2021  
(54) A BICYCLE LIGHT DEVICE  
(51) Int. Cl.  
B62J 6/26 (2020.01)  
B60Q 1/30 (2006.01)  
B62J 6/028 (2020.01)  
B62J 6/04 (2020.01)  
B62J 6/20 (2006.01)  
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(72) OTTAWAY, Timothy  
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(21) 2021390035 (22) 04.11.2021  
(54) BUNG PLUG CLOSURE  
(51) Int. Cl.  
B65D 51/16 (2006.01)  
B65D 39/08 (2006.01)  
F16B 35/04 (2006.01)  
F16B 39/284 (2006.01)  
(87) WO2022/111970  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2021393332 (22) 02.12.2021  
(54) CLIMATE SYSTEM AND METHOD FOR REARING INVERTEBRATES  
(51) Int. Cl.  
A01K 67/033 (2006.01)  
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(54) AROMATIC BORON-CONTAINING COMPOUNDS AND INSULIN ANALOGS  
(51) Int. Cl.  
A61K 47/54 (2017.01)  
A61K 38/28 (2006.01)  
A61P 3/10 (2006.01)  
C07F 5/02 (2006.01)  
C07K 14/62 (2006.01)  
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(11) AU-A-2021409125  
(21) 2021409125 (22) 19.11.2021  
(54) METHOD AND SYSTEM FOR MULTIPLEXING SIGNALS  
(51) Int. Cl.  
G06N 10/40 (2022.01)  
G06N 10/20 (2022.01)  
B82Y 10/00 (2011.01)  
(87) WO2022/139995  
(31) 63/116,126 (32) 19.11.20 (33) US  
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(11) AU-A-2021365794  
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(54) QUBIT DETECTION USING SUPERCONDUCTOR DEVICES  
(51) Int. Cl.  
G06N 10/00 (2022.01)  
B82Y 10/00 (2011.01)  
G06N 10/40 (2022.01)  
(87) WO2022/086751  
(31) 63/105,086 (32) 23.10.20 (33) US  
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- (54) PARAMETER BASED CONSTRUCTION  
(51) Int. Cl.  
G06Q 50/08 (2012.01)  
G06F 16/20 (2019.01)  
G06F 30/13 (2020.01)  
(87) WO2022/087678  
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(43) 05.05.2022  
(72) ELLEN, Murray Edington  
(74) Spruson & Ferguson
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- (71) PURDUE RESEARCH FOUNDATION  
(11) AU-A-2021370296  
(21) 2021370296 (22) 26.08.2021  
(54) COMPOUNDS, COMPOSITIONS AND METHODS OF USE TO TREAT BONE FRACTURES  
(51) Int. Cl.  
A61K 38/22 (2006.01)  
A61K 38/29 (2006.01)  
C07K 7/06 (2006.01)  
(87) WO2022/093373  
(31) 63/105,669 (32) 26.10.20 (33) US  
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(43) 05.05.2022  
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(21) 2021396332 (22) 10.12.2021  
(54) HUMAN CHIMERIC ANTIGEN RECEPTOR NEUTROPHILS, COMPOSITIONS, KITS AND METHODS OF USE  
(51) Int. Cl.  
C12N 5/00 (2006.01)  
C12N 5/0735 (2010.01)  
C12N 5/0787 (2010.01)  
C12N 5/0789 (2010.01)  
C12N 5/0797 (2010.01)  
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(31) 63/124,125 (32) 11.12.20 (33) US  
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(72) BAO, Xiaoping; DENG, Qing; CHANG, Yun; MOHD SABRI, Ramizah Syahirah  
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) PURDUE RESEARCH FOUNDATION; RAYTHEON BBN TECHNOLOGIES, CORP.  
(11) AU-A-2022207503  
(21) 2022207503 (22) 15.01.2022  
(54) LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ANALYSIS FOR PATHOGENIC TARGETS  
(51) Int. Cl.  
C12Q 1/6806 (2018.01)  
(87) WO2022/155546  
(31) 63/138,312 (32) 15.01.21 (33) US  
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(74) RnB IP Pty Ltd

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RAYTHEON BBN TECHNOLOGIES,  
CORP.  
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(21) 2022207504 (22) 15.01.2022  
(54) LOOP-MEDIATED ISOTHERMAL  
AMPLIFICATION (LAMP) ANALYSIS  
FOR PATHOGENIC TARGETS  
(51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12Q 1/6806** ( 2018.01 )  
**C12Q 1/6848** ( 2018.01 )  
(87) WO2022/155547  
(31) 63/138,314 (32) 15.01.21 (33) US  
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NEY, Darby; WANG, Jiangshan;  
MARUTHAMUTHU, Murali Kannan;  
DEXTRE, Andres; VERMA, Mohit  
(74) RnB IP Pty Ltd
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- (71) PURDUE RESEARCH FOUNDATION;  
RAYTHEON BBN TECHNOLOGIES,  
CORP.  
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(54) LOOP-MEDIATED ISOTHERMAL  
AMPLIFICATION (LAMP) ON A SOL-  
ID-PHASE MEDIUM  
(51) Int. Cl.  
**C12Q 1/6853** ( 2018.01 )  
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(72) GAVIN, Mike; SEVILLE, Jordan;  
MCCHESENEY, Darby; LADUCA,  
Frank M.; WANG, Jiangshan;  
MARUTHAMUTHU, Murali Kannan;  
DEXTRE, Andres; VERMA, Mohit  
(74) RnB IP Pty Ltd
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- (71) PUREWICK CORPORATION  
(11) AU-A-2022211357  
(21) 2022211357 (22) 18.01.2022  
(54) VARIABLE FIT FLUID COLLECTION  
DEVICES, SYSTEMS, AND METHODS  
(51) Int. Cl.  
**A61F 5/44** ( 2006.01 )  
**A61F 5/442** ( 2006.01 )  
**A61F 5/455** ( 2006.01 )  
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(31) 63/138,878 (32) 19.01.21 (33) US  
(43) 28.07.2022  
(72) DAVIS, Kathleen; GRUPP, Katie;  
STARKIE, Joanna; LIM SARRIAS,  
Merissa; TRIGGS, Emily Lucy; WHIT-  
TOME, Samuel Edmund  
(74) Spruson & Ferguson
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- (71) PXD LIMITED  
(11) AU-A-2021390715  
(21) 2021390715 (22) 26.11.2021  
(54) HLA HAPLOTYPES AS BIOMARKERS  
FOR COVID-19 SYMPTOM SEVERITY  
(51) Int. Cl.
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- G01N 33/569** ( 2006.01 )  
**C12Q 1/6881** ( 2018.01 )  
**G01N 33/82** ( 2006.01 )  
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(31) 2018922.1 (32) 01.12.20 (33) GB  
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(72) LANGTON, David  
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(11) AU-A-2021390550  
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(54) COMPOSITIONS AND METHODS  
FOR DIAGNOSING SARS-COV-2  
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     A61K 31/7105 ( 2006.01 )  
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*G01S 7/481* ( 2006.01 )  
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(54) METHOD FOR TUNING GLOSS OR COLOR IN PAINT FORMULATIONS  
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*C09D 5/02* ( 2006.01 )  
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(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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*A61P 31/04* ( 2006.01 )  
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WOOD, Charlie; BAYEH, Daniel  
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**(54)** SEALING GASKET FOR DUCTILE  
IRON PIPE AND METHOD OF MANU-  
FACTURE  
**(51)** Int. Cl.  
**F16B 21/18** ( 2006.01 )  
**F16L 17/00** ( 2006.01 )  
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**(54)** ANTENNA ARRANGEMENT  
**(51)** Int. Cl.  
**H01Q 5/15** ( 2015.01 )  
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VIHKARI, Ville; ALA-LAURINAHO, Juha;  
LEINO, Mikko  
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**(54)** COOLING SYSTEM OF AN ELEC-  
TRONIC MODULE WITH A LEAKAGE  
CONTROL DEVICE  
**(51)** Int. Cl.  
**H05K 7/20** ( 2006.01 )  
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POSITION FOR MANUFACTURING  
INSULATION PRODUCTS CONTAIN-  
ING A WATER-SOLUBLE OLIGOMER  
ESTER  
**(51)** Int. Cl.
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**C08G 63/06** ( 2006.01 )  
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Aurélie; GUERIN, William  
**(74)** Griffith Hack
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**(54)** SEAL STACK ASSEMBLY FOR RE-  
CIPROCATING PUMP  
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**F16J 15/34** ( 2006.01 )  
**F16J 15/3204** ( 2016.01 )  
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GOY, Christel C.; YAN, Xiang  
**(74)** Spruson & Ferguson
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SAINT-GOBAIN PLACO  
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**(54)** INSTRUMENT FOR MEASURING THE  
FORCE FOR SPREADING A PASTE  
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**E04F 21/16** ( 2006.01 )  
**G01L 5/00** ( 2006.01 )  
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**(74)** Griffith Hack
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**(11)** AU-A-2021382422  
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**(54)** UNMANNED UNDERWATER VEHICLE  
AND SYSTEM FOR THE MAINTEN-  
ANCE AND INSPECTION OF UNDER-  
WATER FACILITIES AND METHOD OF  
MANAGING A TETHER TO SUPPLY  
POWER AND TO CONTROL SAID UN-  
DERWATER VEHICLE  
**(51)** Int. Cl.  
**B63G 8/00** ( 2006.01 )  
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LAZZARIN, Diego  
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**(11)** AU-A-2021373335  
**(21)** 2021373335 **(22)** 05.11.2021  
**(54)** HICA FOR USE IN PROPHYLAX-  
IS AND/OR TREATMENT OF A DIS-  
EASE OR CONDITION INVOLVING  
DEGRADATION OF CARTILAGE AND/  
OR DISRUPTION OF CARTILAGE  
HOMEOSTASIS AND/OR INTEGRITY  
**(51)** Int. Cl.  
**A61K 31/19** ( 2006.01 )  
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**(72)** SORSA, Timo; TERVAHARTIALA,  
Taina; KARILA, Tuomo; COHEN,  
Benjamin  
**(74)** FPA Patent Attorneys Pty Ltd
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STUDIES; THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA  
**(11)** AU-A-2021373590  
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**(54)** SONOGENIC STIMULATION OF  
CELLS EXPRESSING BACTERI-  
ALLY-DERIVED MECHANOSENSIT-  
IVE PROTEINS  
**(51)** Int. Cl.  
**A61N 7/00** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**C12N 13/00** ( 2006.01 )  
**G01N 29/00** ( 2006.01 )  
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Daniel  
**(74)** FPA Patent Attorneys Pty Ltd
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STUDIES; THE SCRIPPS RESEARCH  
INSTITUTE  
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CELLS EXPRESSING A HETERO-  
LOGOUS MECHANOSENSITIVE PRO-  
TEIN  
**(51)** Int. Cl.  
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CHALASANI, Sreekanth; PROCKO,  
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Mendoza; RAMIREZ, Marc Duque;  
LEE-KUBLI, Corinne; MURTHY,  
Swetha; PATAPOUTIAN, Ardem;

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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** IMPROVED PHARMACEUTICAL COMPOSITIONS CONTAINING ADENO-ASSOCIATED VIRAL VECTOR  
**(51)** Int. Cl.  
**A61K 9/08** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )  
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**(43)** 23.06.2022  
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**(74)** Spruson & Ferguson
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- (71)** SANOFI  
**(11)** AU-A-2021366217  
**(21)** 2021366217 **(22)** 19.10.2021  
**(54)** SUBSTITUTED 6,7-DIHYDRO-5H-BENZO[7]ANNULENE COMPOUNDS AND THEIR DERIVATIVES, PROCESSES FOR THEIR PREPARATION AND THERAPEUTIC USES THEREOF  
**(51)** Int. Cl.  
**A61P 13/08** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61K 31/4436** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 19/10** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**C07D 401/10** ( 2006.01 )  
**C07D 403/10** ( 2006.01 )  
**C07D 405/10** ( 2006.01 )  
**C07D 409/10** ( 2006.01 )  
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**(43)** 28.04.2022  
**(72)** BERNARDELLI, Patrick; BIANCIOTTO, Marc; CERTAL, Victor; DA ROCHA, Alice; DE BRUIN, Béatrice; EL AHMAD, Youssef; HALLEY, Frank; MOUGENOT, Patrick; NICOLAI, Eric; PERIERS, Anne-Marie; PETIT, Frédéric; SLOWINSKI, Franck; TERRIER, Corinne  
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**(11)** AU-A-2021366223  
**(21)** 2021366223 **(22)** 19.10.2021  
**(54)** SUBSTITUTED 6,7-DIHYDRO-5H-BENZO[7]ANNULENE COMPOUNDS AND THEIR DERIVATIVES, PROCESSES FOR THEIR PREPARATION AND THERAPEUTIC USES THEREOF  
**(51)** Int. Cl.  
**A61P 13/08** ( 2006.01 )  
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**A61P 19/10** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 205/06** ( 2006.01 )  
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**C07D 401/10** ( 2006.01 )  
**C07D 405/10** ( 2006.01 )  
**(87)** WO2022/084298  
**(31)** 20306236.9 **(32)** 19.10.20 **(33)** EP  
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**(72)** BERNARDELLI, Patrick; BIANCIOTTO, Marc; EL AHMAD, Youssef; HALLEY, Frank; MOUGENOT, Patrick; PETIT, Frédéric; SLOWINSKI, Franck; TERRIER, Corinne  
**(74)** Griffith Hack
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**(21)** 2021367917 **(22)** 28.10.2021  
**(54)** LIPOSOMES CONTAINING TLR4 AGONIST, PREPARATION AND USES THEREOF  
**(51)** Int. Cl.  
**A61P 31/00** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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**A61P 31/16** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07F 9/10** ( 2006.01 )  
**(87)** WO2022/090359  
**(31)** 20306291.4 **(32)** 28.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** GARINOT, Marie; HAENSLER, Jean; PIRAS, Fabienne; SYNTIN, Patrick; RUIZ, Sophie  
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**E04B 1/00** ( 2006.01 )  
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**(72)** PARSONS, Andrew; HILL, Tim  
**(74)** CreateIP
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**(54)** ANTI-TUMOUR RESPONSES TO CYTOKERATINS  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**(87)** WO2022/106696  
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**(74)** FB Rice Pty Ltd
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**(21)** 2021399881 **(22)** 15.12.2021  
**(54)** ROBOTIC PANEL MODULE REMOVAL AND REPLACEMENT IN ORE TREATMENT APPARATUS  
**(51)** Int. Cl.  
**B25J 5/02** ( 2006.01 )  
**B07B 1/40** ( 2006.01 )  
**B25J 9/02** ( 2006.01 )  
**B25J 11/00** ( 2006.01 )  
**(87)** WO2022/126183  
**(31)** 2020904723 **(32)** 18.12.20 **(33)** AU  
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**(74)** Dennemeyer & Associates
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**(54)** CEILING STRUCTURE AND FACILITY COMPRISING SUCH A CEILING STRUCTURE COMPRISING AIR STERILISATION MEANS  
**(51)** Int. Cl.  
**A61L 9/20** ( 2006.01 )  
**E04B 9/00** ( 2006.01 )  
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**E04B 9/30** ( 2006.01 )  
**(87)** WO2022/079388  
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**(72)** SCHERRER, Jean-Marc; LANG, Damien  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) SELF-INFLATING HIGH EXPANSION SEAL  
 (51) Int. Cl.  
*E21B 33/1295* ( 2006.01 )  
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 (31) 17/101,283 (32) 23.11.20 (33) US  
 (43) 27.05.2022  
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 (54) FIBER OPTIC WETMATE  
 (51) Int. Cl.  
*E21B 41/00* ( 2006.01 )  
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 (54) METHOD AND SYSTEM FOR AUTOMATED MULTI-ZONE DOWNHOLE CLOSED LOOP RESERVOIR TESTING  
 (51) Int. Cl.  
*E21B 33/122* ( 2006.01 )  
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 (21) 2021373322 (22) 08.11.2021  
 (54) HERMETICALLY CONNECTED ARRANGEMENT, ENCLOSURE AND METHOD FOR THE PRODUCTION THEREOF  
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*B23K 26/0622* ( 2014.01 )  
*H01L 23/10* ( 2006.01 )  
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*G06F 9/50* ( 2006.01 )  
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 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
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 (51) Int. Cl.  
*F21S 8/08* ( 2006.01 )  
*F21V 21/30* ( 2006.01 )  
*F21W 131/103* ( 2006.01 )  
*F21Y 105/16* ( 2016.01 )  
*F21Y 115/10* ( 2016.01 )  
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 (54) AUTOMOTIVE BATTERY POWER SYSTEM  
 (51) Int. Cl.  
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*B60L 53/16* ( 2019.01 )  
*B60L 53/18* ( 2019.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) ANTIGEN-BINDING MOLECULES AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*G01N 33/577* ( 2006.01 )  
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 (54) COMPOSITIONS AND METHODS FOR THE TARGETING OF BCL11A  
 (51) Int. Cl.  
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*A61K 31/395* ( 2006.01 )  
*A61P 7/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*C12N 9/22* ( 2006.01 )  
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 (51) Int. Cl.  
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 FORTUNY, Cecile; ADIL, Maroof;  
 WRIGHT, Addison; STAAHL, Brett  
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 jamin; MAKHIJA, Suraj; DENNY, Sarah;  
 MOHR, Manuel  
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 (21) 2021377893 (22) 12.11.2021  
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 (51) Int. Cl.  
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*A61P 25/28* ( 2006.01 )  
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 (54) CONFIGURABLE ELECTROCRUSH-  
 ING MINING APPARATUS  
 (51) Int. Cl.  
*B02C 19/18* ( 2006.01 )  
*E21B 7/24* ( 2006.01 )  
*E21B 10/00* ( 2006.01 )  
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*E21C 37/18* ( 2006.01 )  
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 (54) VIRTUAL EYE CONTACT IN VIDEO  
 INTERACTION  
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*H04N 7/14* ( 2006.01 )  
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 (72) BARRETT, Graham; WINLO, Michael  
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 (54) SEISMIC SHAKER  
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*G01V 1/04* ( 2006.01 )  
*G01V 1/155* ( 2006.01 )  
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*E04H 1/02* ( 2006.01 )  
*F24F 7/06* ( 2006.01 )  
*F24F 7/08* ( 2006.01 )  
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 HOSPITAL  
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 MUNOGENICITY AND THERAPEUTIC  
 RESPONSES TO ADALIMUMAB IN  
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 (51) Int. Cl.  
*G01N 33/68* ( 2006.01 )  
*G01N 33/564* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
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 Russell Morrison; LEE, Gary  
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 BALEARS - IBSALUT; FUNDACIÓ IN-  
 STITUT D'INVESTIGACIÓ SANITÀRIA  
 ILLES BALEARS - IDISBA  
 (11) AU-A-2022215884  
 (21) 2022215884 (22) 07.02.2022  
 (54) DEVICE FOR CONVERTING A  
 SURGICAL INSTRUMENT INTO A  
 SPREADER  
 (51) Int. Cl.  
*A61B 17/02* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
*A61B 17/29* ( 2006.01 )  
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 Leandro Augusto; ROMO PEREZ,  
 Emilio  
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 (11) AU-A-2021352577  
 (21) 2021352577 (22) 29.09.2021  
 (54) SYSTEMS AND METHODS FOR EN-  
 FORCING CONSTRAINTS IN CHAR-  
 ACTER RECOGNITION  
 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
*G06N 5/01* ( 2023.01 )  
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 (21) 2020476230 (22) 05.11.2020  
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 FASTENING TO A SHELF RAIL  
 (51) Int. Cl.  
*G09F 3/20* ( 2006.01 )  
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 (11) AU-A-2020477040  
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 (54) METHOD FOR RADIO CHANNEL AS-  
 SIGNMENT IN AN ELECTRONIC DIS-  
 PLAY SYSTEM  
 (51) Int. Cl.  
*H04W 16/04* ( 2009.01 )  
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CEUTICAL GROUP LTD.  
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(54) BCMA-TARGETED CHIMERIC ANTI-  
GEN RECEPTORS  
(51) Int. Cl.  
C07K 19/00 ( 2006.01 )  
A61K 35/17 ( 2015.01 )  
C12N 15/62 ( 2006.01 )  
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A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/725 ( 2006.01 )  
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A61K 39/00 ( 2006.01 )  
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A61K 39/395 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 16/28 ( 2006.01 )  
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C10G 31/11 ( 2006.01 )  
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B01D 53/84 ( 2006.01 )  
C10K 1/00 ( 2006.01 )  
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A61P 3/04 (2006.01)  
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A61F 2/28 (2006.01)  
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C01B 32/00 (2017.01)  
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**C12Q 1/6825** ( 2018.01 )  
**G01N 33/53** ( 2006.01 )

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 Paul; SHETTY, Rishabh; BOWEN,  
 Shane  
**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** METABOLIC TARGETING OF LOW  
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**G01N 33/52** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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**B28C 5/08** ( 2006.01 )  
**B01F 31/85** ( 2022.01 )

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**B28C 5/12** ( 2006.01 )  
**B28C 5/16** ( 2006.01 )  
**B28C 5/48** ( 2006.01 )  
**B28C 7/02** ( 2006.01 )  
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**C04B 40/00** ( 2006.01 )  
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 JENTZSCH, Max  
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**(51)** Int. Cl.

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**G06F 1/3209** ( 2019.01 )  
**G10L 15/22** ( 2006.01 )  
**H04L 65/612** ( 2022.01 )  
**H04W 52/02** ( 2009.01 )  
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 Lawrence; RAPPOPORT, Benjamin  
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**C07K 16/30** ( 2006.01 )  
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 Thomas A.; ISRAEL, Odisho K.  
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**B33Y 50/02** ( 2015.01 )  
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(74) Ellis Terry
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**G02B 3/14** ( 2006.01 )  
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| (74) Davies Collison Cave Pty Ltd  |          |    | (72) CASSELLA, James, V.  | (43) 04.08.2022  |
|  |          |    | (74) PHILLIPS ORMONDE FITZPATRICK   | (72) GOLDBERG, Michael Solomon   |
|  |          |    |   | (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd  |
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| (71) SUEZ GROUPE   |          |    |   |  |
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| (54) MATERIAL SEPARATION SYSTEM  |          |    |   |  |
| (51) Int. Cl.  |          |    |   |  |
| <b>B65G 15/60</b> ( 2006.01 )  |          |    |   |  |

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- (71) SURROZEN OPERATING, INC.  
 (11) AU-A-2021379770  
 (21) 2021379770 (22) 16.11.2021  
 (54) LIVER-SPECIFIC WNT SIGNAL ENHANCING MOLECULES AND USES THEREOF  
 (51) Int. Cl.  
**A61K 47/68** ( 2017.01 )  
 (87) WO2022/104280  
 (31) 63/114,457 (32) 16.11.20 (33) US  
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 (43) 19.05.2022  
 (72) LI, Yang; ZHANG, Zhengjian; BREZ-SKI, Randall J.; PRESTA, Leonard; LOPEZ, Thomas; CHEN, Hui; BARIBAUT, Helene; YEH, Wen-Chen; TU, Shengjiang  
 (74) Davies Collison Cave Pty Ltd
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- (71) SUZHOU ABOGEN BIOSCIENCES CO., LTD.  
 (11) AU-A-2022207550  
 (21) 2022207550 (22) 11.01.2022  
 (54) LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS  
 (51) Int. Cl.  
**C07C 217/08** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 31/7105** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**C07C 211/58** ( 2006.01 )  
**C07C 219/06** ( 2006.01 )  
**C07C 219/14** ( 2006.01 )  
**C07C 229/14** ( 2006.01 )  
**C07C 229/24** ( 2006.01 )  
**C07C 229/30** ( 2006.01 )  
**C07C 233/36** ( 2006.01 )  
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**C07C 271/12** ( 2006.01 )  
**C07C 271/20** ( 2006.01 )  
**C07D 211/58** ( 2006.01 )  
**C07F 9/22** ( 2006.01 )  
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 (72) YING, Bo; WANG, Xiulian  
 (74) Churchill Attorneys
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- (71) SUZHOU YABAO PHARMACEUTICAL R&D CO., LTD.  
 (11) AU-A-2021371697  
 (21) 2021371697 (22) 27.10.2021  
 (54) SUBSTITUTED DIARYLAMINE COMPOUND, PHARMACEUTICAL COMPOSITION THEREOF, PREPARATION METHOD THEREOF, AND USE THEREOF  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )
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- A61P 35/00** ( 2006.01 )  
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 (43) 05.05.2022  
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 (74) WRAYS PTY LTD
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- (71) SUZHOU ZELGEN BIOPHARMACEUTICALS CO., LTD.; SHANGHAI ZELGEN PHARMA.TECH CO., LTD.  
 (11) AU-A-2021367089  
 (21) 2021367089 (22) 20.10.2021  
 (54) SUBSTITUTED BENZO OR PYRIDOPYRIMIDINE AMINE INHIBITOR, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF  
 (51) Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 239/94** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 403/08** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
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 (72) LV, Binhua; CUI, Dawei; ZHANG, Qing; CHAI, Chuanke; LIANG, Hui; PANG, Xudong  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) SWISS WOOD SOLUTIONS AG  
 (11) AU-A-2021388979  
 (21) 2021388979 (22) 30.11.2021  
 (54) DENSIFIED HYGROSCOPIC MATERIALS AND PRODUCTS MADE THEREOF  
 (51) Int. Cl.  
**B27K 3/02** ( 2006.01 )  
**B27D 1/08** ( 2006.01 )  
**B27K 5/00** ( 2006.01 )  
**B27K 5/06** ( 2006.01 )  
**B27M 1/02** ( 2006.01 )  
**B30B 15/00** ( 2006.01 )  
**G06K 19/00** ( 2006.01 )  
**G06Q 20/00** ( 2012.01 )  
**G07F 13/00** ( 2006.01 )  
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 (31) PCT/ (32) 30.11.20 (33) EP  
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 (74) James & Wells Intellectual Property
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- (71) SYLANS SAGL  
 (11) AU-A-2021404034  
 (21) 2021404034 (22) 14.12.2021
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- (54) PLANT FOR PRODUCING MECHANICAL ENERGY FROM A CARRIER FLUID UNDER CRYOGENIC CONDITIONS  
 (51) Int. Cl.  
**F01K 25/10** ( 2006.01 )  
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 (31) 102020000031184 (32) 17.12.20 (33) IT  
 (43) 23.06.2022  
 (72) RUSSO, Vitaliano; MUTI, Pietro  
 (74) FB Rice Pty Ltd
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- (71) SYMRISE AG  
 (11) AU-A-2020480521  
 (21) 2020480521 (22) 09.12.2020  
 (54) A METHOD FOR FIGHTING MICROORGANISMS USING MENTHOL DERIVATIVES  
 (51) Int. Cl.  
**A61Q 15/00** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
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 (43) 16.06.2022  
 (72) KOCH, Christin; NORDZIEKE, Steffen  
 (74) Spruson & Ferguson
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- (71) SYMRISE AG  
 (11) AU-A-2021393980  
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 (54) COMPOSITIONS COMPRISING UV-FILTERS AND ONE OR MORE (BIO)-ALKANEDIOLS  
 (51) Int. Cl.  
**A61K 8/35** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61Q 17/04** ( 2006.01 )  
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 (72) LANGE, Sabine; BUGDAHN, Nikolas; SCHADE, Vanessa  
 (74) FB Rice Pty Ltd
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- (71) SYNGENTA CROP PROTECTION AG; PURDUE RESEARCH FOUNDATION  
 (11) AU-A-2021382029  
 (21) 2021382029 (22) 19.11.2021  
 (54) PLANT CELL CHROMOSOME DOUBLING BY APPLICATION OF ELECTROMAGNETIC FIELD  
 (51) Int. Cl.  
**A01H 1/06** ( 2006.01 )  
**A01H 1/08** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
**A61N 1/18** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 13/00** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
 (87) WO2022/109303  
 (31) 63/116,555 (32) 20.11.20 (33) US  
 (43) 27.05.2022  
 (72) BULLOCK, William Paul; EGGER, Rachel L.; GARNER, Allen L.; DHANABAL, Aginiprakash  
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 (21) 2021388862 (22) 26.11.2021  
 (54) PESTICIDAL COMPOSITIONS  
 (51) Int. Cl.  
     A01N 47/06 ( 2006.01 )  
     A01N 25/22 ( 2006.01 )  
     A01N 47/40 ( 2006.01 )  
     A01P 7/04 ( 2006.01 )  
 (87) WO2022/112487  
 (31) 20210432.9 (32) 27.11.20 (33) EP  
 (43) 02.06.2022  
 (72) FALLUTO, Francesca; HAL-LAM-BARNES, Gemma  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2021399009 (22) 13.12.2021  
 (54) ISOCYCLOSERAM FORMULATION  
 (51) Int. Cl.  
     A01N 43/80 ( 2006.01 )  
     A01N 25/04 ( 2006.01 )  
     A01N 25/30 ( 2006.01 )  
     A01P 7/00 ( 2006.01 )  
 (87) WO2022/128912  
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 (43) 23.06.2022  
 (72) ROE, Stephen; HOUILLON, Floriane; MASON, Beverley; STUART, Clair  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021402234  
 (21) 2021402234 (22) 08.12.2021  
 (54) PROCESS FOR PREPARING MICRO-CAPSULES  
 (51) Int. Cl.  
     B01J 13/16 ( 2006.01 )  
     A01N 25/28 ( 2006.01 )  
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 (31) 20213913.5 (32) 14.12.20 (33) EP  
 (43) 23.06.2022  
 (72) CHRISTIE, Annette; LINDSAY, Christopher, Ian; GELLATLY, Scott  
 (74) Davies Collison Cave Pty Ltd

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(71) SYNTENY THERAPEUTICS, INC.  
 (11) AU-A-2021410043  
 (21) 2021410043 (22) 23.12.2021  
 (54) PROTOPARVOVIRUS AND TETRAPARVOVIRUS COMPOSITIONS AND METHODS FOR GENE THERAPY  
 (51) Int. Cl.  
     A61K 35/76 ( 2015.01 )  
     A61K 39/00 ( 2006.01 )  
     C12N 7/00 ( 2006.01 )  
     C12N 15/09 ( 2006.01 )  
     C12N 15/864 ( 2006.01 )  
 (87) WO2022/140683  
 (31) 63/129,848 (32) 23.12.20 (33) US  
 (43) 30.06.2022  
 (72) KOTIN, Robert; AGUIRRE, Sebastian  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) T3 PHARMACEUTICALS AG  
 (11) AU-A-2021370840  
 (21) 2021370840 (22) 26.10.2021  
 (54) BACTERIA BASED PROTEIN DELIVERY  
 (51) Int. Cl.  
     C07K 14/34 ( 2006.01 )  
     A61K 38/00 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
     C12N 1/20 ( 2006.01 )  
     C12N 1/36 ( 2006.01 )  
     C12N 15/70 ( 2006.01 )  
     C12N 15/74 ( 2006.01 )  
 (87) WO2022/090211  
 (31) 20204007.7 (32) 27.10.20 (33) EP  
 (43) 05.05.2022  
 (72) AMSTUTZ, Marliese; ITTIG, Simon; KASPER, Christoph; DICK, Mathias, S.; SAUPE, Falk  
 (74) FPA Patent Attorneys Pty Ltd

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(71) TAE TECHNOLOGIES, INC.  
 (11) AU-A-2021373891  
 (21) 2021373891 (22) 09.11.2021  
 (54) SYSTEM, DEVICES AND METHODS FOR ELECTRON BEAM FOR PLASMA HEATING  
 (51) Int. Cl.  
     H05H 1/02 ( 2006.01 )  
     G21B 1/05 ( 2006.01 )  
     G21B 1/15 ( 2006.01 )  
     H05H 1/16 ( 2006.01 )  
 (87) WO2022/099189  
 (31) 63/111,446 (32) 09.11.20 (33) US  
 (43) 12.05.2022  
 (72) TKACHEV, Anton; KOREPANOV, Sergey  
 (74) AJ PARK

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(71) TAIHO PHARMACEUTICAL CO., LTD.  
 (11) AU-A-2021384158  
 (21) 2021384158 (22) 18.11.2021  
 (54) BRAIN-MIGRATING TUMOR THERAPEUTIC AGENT CONTAINING FUSED PYRIMIDINE COMPOUND AS ACTIVE INGREDIENT  
 (51) Int. Cl.  
     A61K 31/519 ( 2006.01 )  
     A61K 31/5377 ( 2006.01 )  
     A61K 31/541 ( 2006.01 )  
     A61P 25/00 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
     A61P 35/04 ( 2006.01 )  
     C07D 487/04 ( 2006.01 )  
 (87) WO2022/107864  
 (31) 2020-193073 (32) 20.11.20 (33) JP  
 (43) 27.05.2022  
 (72) MIYAZAKI, Isao; IGUCHI, Satoru; WAKAYAMA, Kentaro  
 (74) Griffith Hack

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(71) TAKEDA PHARMACEUTICAL COMPANY LIMITED  
 (11) AU-A-2021374958  
 (21) 2021374958 (22) 09.11.2021  
 (54) ANTIBODY DRUG CONJUGATES  
 (51) Int. Cl.  
     A61P 35/00 ( 2006.01 )  
     A61K 47/54 ( 2017.01 )

**A61K 47/68** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**C07H 21/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
 (87) WO2022/097117  
 (31) 63/111,478 (32) 09.11.20 (33) US  
     63/232,935 13.08.21 US  
     63/250,358 30.09.21 US  
 (43) 12.05.2022  
 (72) XU, He; LEE, Hong Myung; ARENDT, Christopher  
 (74) Davies Collison Cave Pty Ltd

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(71) TAN, K.T.K.  
 (11) AU-A-2021410532  
 (21) 2021410532 (22) 07.10.2021  
 (54) PILE MECHANICAL JOINT WITH GROOVED LOCKING PROTUBERANCE/PROTUBERANCES FOR EASY LOCKING PIN/PINS INSTALLATION  
 (51) Int. Cl.  
     E02D 5/52 ( 2006.01 )  
     E02D 5/22 ( 2006.01 )  
 (87) WO2022/139571  
 (31) PI2020006938 (32) 22.12.20 (33) MY  
 (43) 30.06.2022  
 (72) TAN, Kenny Tze Ken  
 (74) BRM Patent Attorneys Pty Ltd

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(71) TARGUS INTERNATIONAL LLC  
 (11) AU-A-2021382802  
 (21) 2021382802 (22) 17.11.2021  
 (54) CASE WITH EXTRACTABLE/RETRACTABLE CHARGING PORT  
 (51) Int. Cl.  
     H02J 7/00 ( 2006.01 )  
     A45C 15/00 ( 2006.01 )  
     A45F 3/04 ( 2006.01 )  
     H01R 24/60 ( 2011.01 )  
     H01R 107/00 ( 2006.01 )  
 (87) WO2022/109566  
 (31) 63/114,916 (32) 17.11.20 (33) US  
 (43) 27.05.2022  
 (72) YUAN, Jonny; CABUNOC, Alex Robert  
 (74) GLMR

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(71) TEAM YOUNG TECHNOLOGY CO., LTD.  
 (11) AU-A-2021407635  
 (21) 2021407635 (22) 21.12.2021  
 (54) SYSTEM OF ELECTRONIC LOCK AND ELECTRONIC KEY  
 (51) Int. Cl.  
     E05B 19/00 ( 2006.01 )  
     E05B 47/00 ( 2006.01 )  
 (87) WO2022/135423  
 (31) 202011552270.5 (32) 24.12.20 (33) CN  
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 (72) LAI, Chien-Chou; WANG, Dy-Cheng  
 (74) Collison & Co

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(71) TECHNISCHE UNIVERSITÄT DRESDEN  
 (11) AU-A-2021370993  
 (21) 2021370993 (22) 01.11.2021  
 (54) SOFTWARE METHOD FOR OPTO-SENSORY DETECTION, MEASURE-

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**(51)** Int. Cl.  
**G06V 20/40** ( 2022.01 )  
**G06V 10/46** ( 2022.01 )  
**(87)** WO2022/090539  
**(31)** 10 2020 128 759.3 **(32)** 02.11.20 **(33)** DE  
**(43)** 05.05.2022  
**(72)** HERLITZIUS, Thomas; PANTKE, Samuel; ZIRKER, Patrick; HENGST, Martin; GEISSLER, Sören  
**(74)** Patent Attorney Services
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- (71)** TECHNOLOGICAL RESOURCES PTY. LIMITED  
**(11)** AU-A-2021386464  
**(21)** 2021386464 **(22)** 24.11.2021  
**(54)** BIOMASS DIRECT REDUCED IRON  
**(51)** Int. Cl.  
**C21B 13/14** ( 2006.01 )  
**C22B 5/00** ( 2006.01 )  
**(87)** WO2022/109665  
**(31)** 2020904337 **(32)** 24.11.20 **(33)** AU  
**(43)** 02.06.2022  
**(72)** BUCKLEY, Michael  
**(74)** Griffith Hack
- 
- (71)** TECHNOLOGICAL RESOURCES PTY. LIMITED  
**(11)** AU-A-2021386878  
**(21)** 2021386878 **(22)** 24.11.2021  
**(54)** BIOMASS DIRECT REDUCED IRON  
**(51)** Int. Cl.  
**C21B 13/14** ( 2006.01 )  
**C22B 5/00** ( 2006.01 )  
**(87)** WO2022/109663  
**(31)** 2020904332 **(32)** 24.11.20 **(33)** AU  
**(43)** 02.06.2022  
**(72)** FARR, Iain; DRY, Rodney James; BUCKLEY, Michael  
**(74)** Griffith Hack
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- (71)** TECHTRONIC CORDLESS GP  
**(11)** AU-A-2020476208  
**(21)** 2020476208 **(22)** 09.11.2020  
**(54)** SYSTEMS AND METHODS FOR TOOL-FREE GARDEN MACHINE DETACHABLE IMPLEMENT CHANGE  
**(51)** Int. Cl.  
**A01D 34/00** ( 2006.01 )  
**B25F 5/00** ( 2006.01 )  
**(87)** WO2022/095015  
**(43)** 12.05.2022  
**(72)** LUO, Heng  
**(74)** Spruson & Ferguson
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- (71)** TECHTRONIC CORDLESS GP  
**(11)** AU-A-2021391424  
**(21)** 2021391424 **(22)** 30.11.2021  
**(54)** SURFACE CLEANER  
**(51)** Int. Cl.  
**A47L 11/34** ( 2006.01 )  
**(87)** WO2022/119817  
**(31)** 63/120,003 **(32)** 01.12.20 **(33)** US
- (43)** 09.06.2022  
**(72)** CHAN, Somnanritha; DAVILA, Rafael; DAWSON, Michael; HANSEN, Jeremy  
**(74)** Spruson & Ferguson
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- (71)** TEH YOR CO., LTD.  
**(11)** AU-A-2022217134  
**(21)** 2022217134 **(22)** 27.01.2022  
**(54)** WINDOW SHADE AND OPERATING WAND THEREOF  
**(51)** Int. Cl.  
**E06B 9/322** ( 2006.01 )  
**E06B 9/78** ( 2006.01 )  
**E06B 9/42** ( 2006.01 )  
**(87)** WO2022/169658  
**(31)** 63/144,581 **(32)** 02.02.21 **(33)** US  
**(43)** 11.08.2022  
**(72)** HUANG, Chin-tien  
**(74)** FB Rice Pty Ltd
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- (71)** TEIJIN PHARMA LIMITED  
**(11)** AU-A-2021398661  
**(21)** 2021398661 **(22)** 09.12.2021  
**(54)** TRANSCRANIAL MAGNETIC STIMULATOR DEVICE  
**(51)** Int. Cl.  
**A61N 2/10** ( 2006.01 )  
**A61N 2/00** ( 2006.01 )  
**(87)** WO2022/131118  
**(31)** 2020-208513 **(32)** 16.12.20 **(33)** JP  
**(43)** 23.06.2022  
**(72)** NAKAMURA Hitoshi; NANDOH Kenji  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
**(11)** AU-A-2020473989  
**(21)** 2020473989 **(22)** 30.11.2020  
**(54)** METHODS AND APPARATUS FOR IMPLEMENTING A SERVICE REQUEST  
**(51)** Int. Cl.  
**H04W 76/10** ( 2018.01 )  
**H04W 88/04** ( 2009.01 )  
**(87)** WO2022/083884  
**(31)** 20382925.4 **(32)** 23.10.20 **(33)** EP  
**(43)** 28.04.2022  
**(72)** LOHMAR, Thorsten; INIESTA GONZALEZ, Antonio; MATTSSON, Hans; MUÑOZ DE LA TORRE ALONSO, Miguel Angel  
**(74)** AJ PARK
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- (71)** TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
**(11)** AU-A-2021366092  
**(21)** 2021366092 **(22)** 22.06.2021  
**(54)** METHODS AND DEVICES FOR UE SERVICE MANAGEMENT  
**(51)** Int. Cl.  
**H04L 61/5007** ( 2022.01 )  
**H04W 76/22** ( 2018.01 )  
**(87)** WO2022/083903  
**(31)** PCT/ **(32)** 23.10.20 **(33)** CN  
 CN2020/123431
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- (43)** 28.04.2022  
**(72)** LU, Yunjie; XU, Wenliang  
**(74)** AJ PARK
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- (71)** TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
**(11)** AU-A-2021375225  
**(21)** 2021375225 **(22)** 27.09.2021  
**(54)** METHOD AND APPARATUS FOR ADDRESSING NETWORK ADDRESS PREFIX  
**(51)** Int. Cl.  
**H04W 8/26** ( 2009.01 )  
**H04L 61/5007** ( 2022.01 )  
**H04L 67/14** ( 2022.01 )  
**(87)** WO2022/095630  
**(31)** PCT/ **(32)** 04.11.20 **(33)** CN  
 CN2020/126610  
**(43)** 12.05.2022  
**(72)** ZHANG, Wen; YANG, Yong; HE, Yingjiao  
**(74)** FB Rice Pty Ltd
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- (71)** TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
**(11)** AU-A-2021388041  
**(21)** 2021388041 **(22)** 29.11.2021  
**(54)** RELIABLE CSI FEEDBACK TOWARDS MULTIPLE TRPS  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04B 7/0408** ( 2017.01 )  
**H04L 1/06** ( 2006.01 )  
**H04L 1/08** ( 2006.01 )  
**H04W 72/00** ( 2023.01 )  
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**(31)** 63/118,841 **(32)** 27.11.20 **(33)** US  
**(43)** 02.06.2022  
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**(74)** AJ PARK
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- (71)** TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
**(11)** AU-A-2021415098  
**(21)** 2021415098 **(22)** 16.12.2021  
**(54)** REFERENCE SIGNAL PORT MAPPING  
**(51)** Int. Cl.  
**H04B 7/0417** ( 2017.01 )  
**H04B 7/0456** ( 2017.01 )  
**H04B 7/06** ( 2006.01 )  
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**(74)** AJ PARK
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**(21)** 2021366504 **(22)** 19.10.2021  
**(54)** URINE-DERIVED EPITHELIAL CELL CULTURES, NEPHROSPHEROIDS



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**(51)** Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**A61K 35/22** ( 2015.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2022/084998  
**(31)** 63/093,332 **(32)** 19.10.20 **(33)** US  
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**(72)** DEKEL, Benjamin; OMER, Dorit; HARI-STEINBERG, Orit  
**(74)** Halfords IP

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**(11)** AU-A-2021380836  
**(21)** 2021380836 **(22)** 12.11.2021  
**(54)** USE OF SHORT CHAIN FATTY ACIDS IN CANCER PREVENTION  
**(51)** Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/104116  
**(31)** 63/112,783 **(32)** 12.11.20 **(33)** US  
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**(72)** FEITELSON, Mark, A.; ARZUMANYAN, Alla; SPECTOR, Ira  
**(74)** FB Rice Pty Ltd

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**(21)** 2021359197 **(22)** 12.10.2021  
**(54)** A FLEXIBLE SYSTEM FOR PROCESSING, TREATMENT AND USE OF WASTE  
**(51)** Int. Cl.  
**B09B 3/00** ( 2022.01 )  
**(87)** WO2022/079578  
**(31)** PV 2020-566 **(32)** 16.10.20 **(33)** CZ  
**(43)** 21.04.2022  
**(72)** STEHLIK, Tomas  
**(74)** WRAYS PTY LTD

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**(11)** AU-A-2021368988  
**(21)** 2021368988 **(22)** 29.10.2021  
**(54)** IMPROVEMENTS IN AND RELATING TO MOVEABLE GOAL ASSEMBLIES AND PARTS AND FITTINGS THEREFOR  
**(51)** Int. Cl.  
**A63B 63/00** ( 2006.01 )  
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**(72)** MACKENZIE, Thomas William  
**(74)** James & Wells Intellectual Property

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**(54)** THERAPIES FOR CANCER USING SMALL MOLECULES THAT BIND TO AND INHIBIT RAL INTERACTING PROTEINS  
**(51)** Int. Cl.  
**A61K 31/4192** ( 2006.01 )  
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**A61K 47/54** ( 2017.01 )  
**(87)** WO2022/108730  
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**(43)** 27.05.2022  
**(72)** AWASTHI, Sanjay; SINGH, Sharda  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(11)** AU-A-2021372717  
**(21)** 2021372717 **(22)** 26.10.2021  
**(54)** RADIOLOGY DEVICE WITH HELICALLY ARRANGED SOURCES AND DETECTOR  
**(51)** Int. Cl.  
**A61B 6/02** ( 2006.01 )  
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**(87)** WO2022/090257  
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**(72)** BERNARD, Guillaume; ROYER, Guillaume  
**(74)** FB Rice Pty Ltd

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**(51)** Int. Cl.  
**A61P 25/00** ( 2006.01 )  
**A61K 35/30** ( 2015.01 )  
**C12N 5/0793** ( 2010.01 )  
**C12N 5/0797** ( 2010.01 )  
**(87)** WO2022/081452  
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**(72)** STEINBERG, Gary K.  
**(74)** FB Rice Pty Ltd

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**(21)** 2021360589 **(22)** 14.10.2021  
**(54)** DETECTION AND ANALYSIS OF STRUCTURAL VARIATIONS IN GENOMES  
**(51)** Int. Cl.  
**C12Q 1/6806** ( 2018.01 )  
**C12Q 1/6869** ( 2018.01 )  
**C40B 40/06** ( 2006.01 )  
**C40B 50/14** ( 2006.01 )  
**(87)** WO2022/081906  
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**(21)** 2021372990 **(22)** 05.11.2021  
**(54)** MODULATION OF GENE EXPRESSION VIA TRANSCRIPTION FACTOR-CHEMICALLY INDUCED PROXIMITY (TF-CIP)  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12Q 1/68** ( 2018.01 )  
**(87)** WO2022/098989  
**(31)** 63/110,575 **(32)** 06.11.20 **(33)** US  
**(43)** 12.05.2022  
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**(21)** 2021381747 **(22)** 09.11.2021  
**(54)** ROBOTIC SURGICAL STATION  
**(51)** Int. Cl.  
**A61B 34/37** ( 2016.01 )  
**A61B 34/35** ( 2016.01 )  
**A61B 50/22** ( 2016.01 )  
**A61G 13/02** ( 2006.01 )  
**A61G 13/10** ( 2006.01 )  
**(87)** WO2022/108781  
**(31)** 63/117,327 **(32)** 23.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** GIULIANOTTI, Pier Cristoforo; VOGLER, Andreas  
**(74)** FB Rice Pty Ltd

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**(21)** 2021387733 **(22)** 19.11.2021  
**(54)** POLYSACCHARIDE ENCAPSULATED OXYGEN NANOBUBBLES  
**(51)** Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/569** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
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**(43)** 02.06.2022  
**(72)** IRUDAYARAJ, Joseph Maria Kumar; FAYYAZ, Muhammad; TSIPURSKY, Michael; REN, Wen  
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(21) 2021381473 (22) 16.11.2021  
(54) TETRAPEPTIDE AND COM-POSITIONS COMPRISING TETRAPEPTIDES  
(51) Int. Cl.  
A61K 8/64 ( 2006.01 )  
A61Q 19/08 ( 2006.01 )  
C07K 5/103 ( 2006.01 )
- (87) WO2022/106055  
(31) 20020536.7 (32) 17.11.20 (33) EP  
(43) 27.05.2022  
(72) BELL, Michael, David; BRADLEY, Eleanor, Jane; DOUSH, Yegor; SHER-RATT, Michael, John; OZOLS, Matiss; ECKERSLEY, Alexander  
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(54) TETRAPEPTIDE AND COM-POSITIONS COMPRISING TETRAPEPTIDES  
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A61K 8/64 ( 2006.01 )  
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A61Q 19/08 ( 2006.01 )
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(31) 20020535.9 (32) 17.11.20 (33) EP  
(43) 27.05.2022  
(72) BELL, Michael David; BRADLEY, Eleanor Jane; DOUSH, Yegor; SHER-RATT, Michael John; OZOLS, Matiss; ECKERSLEY, Alexander  
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(54) TETRAPEPTIDE AND COM-POSITIONS COMPRISING TETRAPEPTIDES  
(51) Int. Cl.  
A61K 8/64 ( 2006.01 )  
A61K 8/65 ( 2006.01 )  
A61Q 19/04 ( 2006.01 )  
C07K 5/10 ( 2006.01 )  
C07K 5/103 ( 2006.01 )  
C07K 5/113 ( 2006.01 )
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(31) 20020538.3 (32) 17.11.20 (33) EP  
(43) 27.05.2022  
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(21) 2021383949 (22) 16.11.2021  
(54) TETRAPEPTIDE AND COM-POSITIONS COMPRISING TETRAPEPTIDES  
(51) Int. Cl.  
A61K 8/64 ( 2006.01 )  
A61Q 19/08 ( 2006.01 )
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(31) 20020537.5 (32) 17.11.20 (33) EP  
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(54) SPECTROMETRY SYSTEMS, METHODS, AND APPLICATIONS  
(51) Int. Cl.  
A61B 5/1473 ( 2006.01 )  
A61B 5/145 ( 2006.01 )  
A61B 90/30 ( 2016.01 )  
G06N 3/08 ( 2023.01 )
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(72) GORMLEY, William, B.; PRIETO, Paola, Calvachi  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2021379015 (22) 16.11.2021  
(54) ANTI-CD6 ANTIBODY CONJUGATES FOR TREATING T-CELL AND B-CELL MEDIATED DISORDERS, AND T-CELL AND B-CELL CANCERS  
(51) Int. Cl.  
A61K 38/00 ( 2006.01 )  
A61K 38/05 ( 2006.01 )  
A61K 47/68 ( 2017.01 )  
A61P 35/00 ( 2006.01 )
- (87) WO2022/104247  
(31) 63/114,300 (32) 16.11.20 (33) US  
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(72) LIN, Feng  
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(54) PEPTIDE-BASED DELIVERY OF AGENTS  
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A61K 47/64 ( 2017.01 )  
A61K 9/00 ( 2006.01 )  
A61K 31/713 ( 2006.01 )  
A61K 47/54 ( 2017.01 )  
A61K 48/00 ( 2006.01 )  
A61K 49/00 ( 2006.01 )  
A61P 21/00 ( 2006.01 )  
A61P 25/00 ( 2006.01 )  
A61P 27/02 ( 2006.01 )  
C07K 1/107 ( 2006.01 )  
C07K 14/755 ( 2006.01 )  
C12N 15/113 ( 2010.01 )
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(21) 2021386892 (22) 25.11.2021  
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(51) Int. Cl.  
C07K 19/00 ( 2006.01 )  
A61K 47/68 ( 2017.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/00 ( 2006.01 )
- (87) WO2022/109743  
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(54) HORMAD1 THERAPEUTICS  
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C12Q 1/6886 ( 2018.01 )
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(54) METHODS AND MATERIALS FOR TREATING T CELL CANCERS  
(51) Int. Cl.  
A61K 39/395 ( 2006.01 )  
A61P 1/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
A61P 35/02 ( 2006.01 )  
A61P 37/00 ( 2006.01 )  
C07K 16/28 ( 2006.01 )  
C07K 16/30 ( 2006.01 )  
C07K 16/46 ( 2006.01 )
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(11) AU-A-2021390189  
(21) 2021390189 (22) 01.12.2021  
(54) CAS12 DETECTION METHODS AND COMPOSITIONS  
(51) Int. Cl.  
C12N 9/22 (2006.01)  
C12Q 1/34 (2006.01)  
C12Q 1/6818 (2018.01)  
C12Q 1/6876 (2018.01)  
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(54) METHODS OF CONTRACEPTION USING NOMEGESTROL ACETATE AND ESTRADIOL  
(51) Int. Cl.  
A61K 31/565 (2006.01)  
A61K 31/575 (2006.01)  
A61P 15/18 (2006.01)  
(87) WO2021/229557  
(31) 2016428.1 (32) 16.10.20 (33) GB  
2105398.8 15.04.21 GB  
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(54) USE OF COMBINED ORAL CONTRACEPTIVES CONTAINING NOMEGESTROL ACETATE AND ESTRADIOL  
(51) Int. Cl.  
A61K 31/565 (2006.01)  
A61K 31/575 (2006.01)  
A61P 15/18 (2006.01)  
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(31) 2016428.1 (32) 16.10.20 (33) GB  
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(51) Int. Cl.  
C12N 5/074 (2010.01)  
C12N 5/0783 (2010.01)  
C12N 15/113 (2010.01)  
C12N 15/52 (2006.01)  
C12N 15/85 (2006.01)  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.  
C12N 9/12 (2006.01)  
C12N 15/10 (2006.01)  
C12N 15/115 (2010.01)  
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(51) Int. Cl.  
A61L 27/18 (2006.01)  
A61L 27/34 (2006.01)  
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(51) Int. Cl.  
A01D 34/67 (2006.01)  
A01D 34/71 (2006.01)  
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(31) 17/112,208 (32) 04.12.20 (33) US  
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(74) Michael Buck IP
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(54) MULTIPLEX EPIGENOME EDITING  
(51) Int. Cl.  
C12N 9/22 (2006.01)  
C12N 15/113 (2010.01)  
C12N 15/79 (2006.01)
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(31) 63/174,297 (32) 13.04.21 (33) US  
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(54) VISTA AGONIST FOR TREATMENT/PREVENTION OF ISCHEMIC AND/OR REPERFUSION INJURY  
(51) Int. Cl.  
A61K 39/00 (2006.01)  
A61K 39/395 (2006.01)  
A61K 45/00 (2006.01)  
A61K 45/06 (2006.01)  
A61P 9/10 (2006.01)  
A61P 11/00 (2006.01)  
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(74) FB Rice Pty Ltd
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(11) AU-A-2021385609  
(21) 2021385609 (22) 30.11.2021  
(54) PRECISE LABELING OF PROTEIN SCAFFOLDS WITH CARGO FOR USE IN BIOMEDICAL APPLICATIONS  
(51) Int. Cl.  
A61K 47/69 (2017.01)  
A61K 49/00 (2006.01)  
C07K 17/00 (2006.01)  
C07K 17/06 (2006.01)  
(87) WO2022/115791  
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(21) 2021390480 (22) 01.12.2021  
(54) NOVEL COMPOSITIONS WITH TISSUE-SPECIFIC TARGETING MOTIFS AND COMPOSITIONS CONTAINING SAME  
(51) Int. Cl.  
C12N 15/86 (2006.01)  
C07K 14/005 (2006.01)  
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(74) WRAYS PTY LTD
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(11) AU-A-2021390584

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 (51) Int. Cl.  
*C12M 1/04* ( 2006.01 )  
*C12M 1/34* ( 2006.01 )  
*C12M 3/00* ( 2006.01 )
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 (54) COMPOSITIONS AND USES THEREOF FOR TREATMENT OF ANGELMAN SYNDROME  
 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
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*C07K 14/435* ( 2006.01 )
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 (54) TYROSYL-LOCK PEPTIDES  
 (51) Int. Cl.  
*C07K 14/435* ( 2006.01 )  
*C12N 9/90* ( 2006.01 )  
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 (51) Int. Cl.  
*G02B 6/036* ( 2006.01 )  
*G02B 6/02* ( 2006.01 )  
*G02B 6/26* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 39/215* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
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*C07K 16/10* ( 2006.01 )
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 (54) COMPOSITIONS AND METHODS FOR OPTIMIZED PEPTIDE VACCINES  
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*A61K 38/00* ( 2006.01 )  
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*C07K 7/04* ( 2006.01 )  
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*C12N 15/62* ( 2006.01 )
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 (21) 2021388962 (22) 25.11.2021  
 (54) A SCAFFOLD CONNECTION ELEMENT, PARTS THEREOF, AND ASSOCIATED METHODS  
 (51) Int. Cl.  
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*E04G 1/06* ( 2006.01 )  
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*C01B 3/04* ( 2006.01 )  
*B01D 53/24* ( 2006.01 )  
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*B04B 5/04* ( 2006.01 )  
*B04B 5/08* ( 2006.01 )  
*B04B 15/02* ( 2006.01 )  
*C01B 3/50* ( 2006.01 )  
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*A01N 1/02* ( 2006.01 )
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 (74) FORWARD INTELLECTUAL PROPERTY PTY LTD
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- (71) TINA TANN A/S  
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 (21) 2021371931 (22) 28.10.2021  
 (54) GROUND-ENGAGING APPARATUS AND METHOD FOR CONFIGURING THE SAME  
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 (11) AU-A-2021396319  
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 (51) Int. Cl.  
*B01L 9/00* ( 2006.01 )  
*A01N 1/02* ( 2006.01 )
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 (11) AU-A-2021424317

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*B22F 3/11* ( 2006.01 )  
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 (11) AU-A-2021382668  
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*A61P 25/32* ( 2006.01 )  
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 (21) 2021365632 (22) 23.10.2021  
 (54) BATTERY CADDY HAVING MAGNETIC RETAINING FEATURE  
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*H02J 7/00* ( 2006.01 )  
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*H02J 7/06* ( 2006.01 )  
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*H02J 7/28* ( 2006.01 )  
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 (43) 28.04.2022  
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 (54) DECORATIVE SHEET, DECORATIVE TACK SHEET, DECORATIVE PANEL, AND MANUFACTURING METHOD FOR DECORATIVE SHEETS  
 (51) Int. Cl.  
*B32B 27/00* ( 2006.01 )  
*B32B 27/18* ( 2006.01 )  
*B32B 27/32* ( 2006.01 )  
*E04F 13/07* ( 2006.01 )  
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 (11) AU-A-2021395241  
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- (54) SYSTEMS AND METHODS FOR PRODUCING DISEASE-ASSOCIATED PROTEIN COMPOSITIONS  
 (51) Int. Cl.  
*G16B 20/30* ( 2019.01 )  
*C07K 16/00* ( 2006.01 )  
*C12Q 1/6869* ( 2018.01 )  
*G16B 50/00* ( 2019.01 )  
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 (11) AU-A-2021355517  
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 (54) METHOD FOR FAST REPLACEMENT OF WIRELESS IOT PRODUCT AND SYSTEM THEREOF  
 (51) Int. Cl.  
*G06K 19/07* ( 2006.01 )  
*H04W 24/04* ( 2009.01 )  
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*C12N 9/12* ( 2006.01 )  
*C12P 19/34* ( 2006.01 )  
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 (11) AU-A-2021368138  
 (21) 2021368138 (22) 01.11.2021  
 (54) CRYSTALLINE FORMS OF A DEOXYCYTIDINE KINASE INHIBITOR AND USES THEREOF  
 (51) Int. Cl.  
*C07D 417/12* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (21) 2021394390 (22) 08.12.2021  
 (54) DELAYED SUSTAINED-RELEASE ORAL DRUG DOSAGE FORMS OF A JANUS KINASE (JAK) INHIBITOR AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 9/20* ( 2006.01 )  
*A61K 9/24* ( 2006.01 )  
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 (21) 2021365044 (22) 19.10.2021  
 (54) DEVICE AND ENERGIZATION METHOD  
 (51) Int. Cl.  
*H02M 3/155* ( 2006.01 )  
*A61N 1/18* ( 2006.01 )  
*G06F 3/01* ( 2006.01 )  
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 (72) NAKAGAWA Satoshi  
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 (11) AU-A-2021365666  
 (21) 2021365666 (22) 11.08.2021  
 (54) APPARATUS, SENSOR, SENSING METHOD, SENSOR SYSTEM, AND POWER GENERATION METHOD  
 (51) Int. Cl.  
*G01N 27/00* ( 2006.01 )  
*H01M 14/00* ( 2006.01 )  
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 (72) NAKAGAWA Satoshi; OOI Hiroataka  
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(71) TRIPOD DESIGN CO., LTD.  
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 (21) 2021365923 (22) 11.08.2021  
 (54) DEVICE AND METHOD  
 (51) Int. Cl.  
*H01M 6/42* ( 2006.01 )  
*H01M 6/04* ( 2006.01 )  
*H01M 6/34* ( 2006.01 )  
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 (72) NAKAGAWA Satoshi  
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(71) TRITIUM HOLDINGS PTY LTD  
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 (21) 2021382172 (22) 17.11.2021  
 (54) A MODULAR ELECTRONICS ASSEMBLY  
 (51) Int. Cl.  
*H02B 1/01* ( 2006.01 )  
*H01R 13/02* ( 2006.01 )  
*H01R 13/62* ( 2006.01 )  
*H01R 13/627* ( 2006.01 )  
*H01R 13/629* ( 2006.01 )  
*H01R 13/66* ( 2006.01 )  
*H01R 27/02* ( 2006.01 )  
*H05K 5/00* ( 2006.01 )  
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 (74) Michael Buck IP

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 (11) AU-A-2021381957  
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 (54) METHOD AND SYSTEM FOR CONTINUOUS MONITORING OF PATIENTS FOR ARRHYTHMIAS  
 (51) Int. Cl.  
*A61B 5/318* ( 2021.01 )  
*A61B 5/00* ( 2006.01 )  
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*A61B 5/346* ( 2021.01 )  
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 (72) MOON, Jim  
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(71) TRUMA GERÄTE-TECHNIK GMBH & CO. KG  
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 (54) AIR-CONDITIONING APPLIANCE  
 (51) Int. Cl.  
*B60H 1/00* ( 2006.01 )  
*B60H 1/32* ( 2006.01 )  
*F24F 13/20* ( 2006.01 )  
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 (31) 10 2020 007 289.5 (32) 30.11.20 (33) DE  
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 (72) KLEIN, Michael; MUSELMANN, Wolfgang  
 (74) Blackwattle IP

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 (11) AU-A-2022229578  
 (21) 2022229578 (22) 03.01.2022  
 (54) DEVICE FOR HEATING A MEDIUM AND AIR  
 (51) Int. Cl.  
*F24H 1/16* ( 2022.01 )  
*B60H 1/22* ( 2006.01 )  
*F24H 3/06* ( 2022.01 )  
*F24H 6/00* ( 2022.01 )  
*F28D 7/02* ( 2006.01 )  
*F28D 7/10* ( 2006.01 )  
*F28F 1/16* ( 2006.01 )  
 (87) WO2022/184314  
 (31) 10 2021 001 082.5 (32) 01.03.21 (33) DE  
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 (72) HARTMANN, Thomas; STAHL, Bernhard  
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 (54) PROTECTIVE STRUCTURE  
 (51) Int. Cl.  
*E01F 7/04* ( 2006.01 )  
*E02D 17/20* ( 2006.01 )  
*E02D 29/02* ( 2006.01 )  
 (87) WO2022/112563  
 (31) 10 2020 131 710.7 (32) 30.11.20 (33) DE  
 (43) 02.06.2022  
 (72) BICHLER, Ahren; STELZER, Gernot; JAKOB, Matthias; STROUTH, Alex  
 (74) Argon IP Advisory Pty Ltd

(71) TRUMER SCHUTZBAUTEN GES.M.B.H  
 (11) AU-A-2021388877  
 (21) 2021388877 (22) 29.11.2021  
 (54) PROTECTIVE STRUCTURE, AND METHOD FOR DISSIPATING TENSILE LOAD INTRODUCED INTO A SUP-

PORTING CABLE OF A SUPPORTING-CABLE ASSEMBLY OF THE PROTECTIVE STRUCTURE  
 (51) Int. Cl.  
*E01F 7/04* ( 2006.01 )  
 (87) WO2022/112562  
 (31) 10 2020 131 687.9 (32) 30.11.20 (33) DE  
 (43) 02.06.2022  
 (72) BICHLER, Ahren; STELZER, Gernot; JAKOB, Matthias; STROUTH, Alex  
 (74) Argon IP Advisory Pty Ltd

(71) TRUSTEES OF TUFTS COLLEGE  
 (11) AU-A-2021379987  
 (21) 2021379987 (22) 12.11.2021  
 (54) CULTURED ADIPOSE TISSUE  
 (51) Int. Cl.  
*A61K 35/35* ( 2015.01 )  
*C12N 5/00* ( 2006.01 )  
*C12N 5/02* ( 2006.01 )  
*C12N 5/071* ( 2010.01 )  
*C12N 5/077* ( 2010.01 )  
*C12N 5/0775* ( 2010.01 )  
 (87) WO2022/104378  
 (31) 63/112,738 (32) 12.11.20 (33) US  
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 (72) KAPLAN, David L.; STOUT, Andrew; YUEN, JR., John; RUBIO, Natalie  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) TRUSTEES OF TUFTS COLLEGE  
 (11) AU-A-2021397737  
 (21) 2021397737 (22) 07.12.2021  
 (54) LIPIDOID COMPOSITIONS AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 31/4745* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
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 (31) 63/122,229 (32) 07.12.20 (33) US  
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 (72) XU, Qiaobing; CHEN, Jinjin  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) TRUSTEES OF TUFTS COLLEGE  
 (11) AU-A-2021401426  
 (21) 2021401426 (22) 17.12.2021  
 (54) FAP-ACTIVATED RADIOTHERANOSTICS, AND USES RELATED THERETO  
 (51) Int. Cl.  
*A61K 47/42* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
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 (31) 63/126,617 (32) 17.12.20 (33) US  
 (43) 23.06.2022  
 (72) BACHOVCHIN, William, W.; LAI, Hungsen; WU, Wengen  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) TRUVALUE LABS, INC.  
 (11) AU-A-2021370972  
 (21) 2021370972 (22) 26.10.2021

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(51) Int. Cl.  
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**H05B 3/78** ( 2006.01 )  
**F02K 9/00** ( 2006.01 )  
**F24H 3/04** ( 2022.01 )  
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**B01J 19/26** ( 2006.01 )  
**B01J 37/10** ( 2006.01 )  
**B09B 3/00** ( 2022.01 )  
**C02F 1/72** ( 2023.01 )  
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REPLACEMENT METHOD BASED ON  
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**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/90** ( 2006.01 )
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METHODS  
**(51)** Int. Cl.  
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COMPOSITION  
**(51)** Int. Cl.  
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**(74)** Churchill Attorneys

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- (71) URSCHEL LABORATORIES, INC.; PEPSICO, INC.  
 (11) AU-A-2020473992  
 (21) 2020473992 (22) 22.10.2020  
 (54) IMPELLERS FOR CUTTING MACHINES AND CUTTING MACHINES EQUIPPED THEREWITH  
 (51) Int. Cl.  
**B26D 7/22** ( 2006.01 )  
**B26D 3/28** ( 2006.01 )  
**B26D 7/06** ( 2006.01 )  
**B26D 7/08** ( 2006.01 )  
 (87) WO2022/086536  
 (43) 28.04.2022  
 (72) BARBER, Keith Alan; BAXTER, Corey Everette; GANN, Rebecca Glynn  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71) VALE S.A.  
 (11) AU-A-2021377729  
 (21) 2021377729 (22) 08.11.2021  
 (54) METHOD AND SYSTEM FOR REMOVING IRON ORE PARTICLES ADHERING BY MAGNETIC HYSTERESIS TO A MAGNETIC MATRIX OF A VERTICAL MAGNETIC SEPARATOR  
 (51) Int. Cl.  
**B03C 1/03** ( 2006.01 )  
**B03C 1/032** ( 2006.01 )  
**B03C 1/034** ( 2006.01 )  
 (87) WO2022/099394  
 (31) BR102020023390-4(32) 16.11.20 (33) BR  
 (43) 19.05.2022  
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 (74) Spruson & Ferguson
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- (71) VALMONT INDUSTRIES, INC.  
 (11) AU-A-2021392609  
 (21) 2021392609 (22) 19.11.2021  
 (54) SYSTEM, METHOD AND APPARATUS FOR TESTING AND EVALUATING FLAME RESISTANCE  
 (51) Int. Cl.  
**F27B 17/02** ( 2006.01 )  
**G01N 3/60** ( 2006.01 )  
**G01N 21/72** ( 2006.01 )  
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 (31) 63/120,343 (32) 02.12.20 (33) US  
 (43) 09.06.2022  
 (72) ACKERMAN, Mark; FOUAD, Fouad H.; SCHAPPER, Aaron  
 (74) James & Wells Intellectual Property
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- (71) VANDERBILT UNIVERSITY  
 (11) AU-A-2021360501  
 (21) 2021360501 (22) 13.10.2021  
 (54) METHOD OF PREVENTING KIDNEY INJURY DISRUPTION OF INTESTINAL LYMPHATICS  
 (51) Int. Cl.  
**A61K 31/137** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**A61P 13/00** ( 2006.01 )  
**C07C 215/50** ( 2006.01 )
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- (71) VERDANT ROBOTICS, INC.  
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 (21) 2020472581 (22) 20.11.2020  
 (54) AUTONOMOUS AGRICULTURAL TREATMENT SYSTEM USING MAP BASED TARGETTING OF AGRICULTURAL OBJECTS  
 (51) Int. Cl.  
**A01N 65/00** ( 2009.01 )  
**C05G 3/60** ( 2020.01 )  
**G01N 21/25** ( 2006.01 )  
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**G06F 17/14** ( 2006.01 )  
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 (72) SIBLEY, Gabriel Thurston; IBARRIA, Lorenzo; GARNER, Curtis Dale; LEGER, Patrick Christopher; MICHELIN, Andre Robert Daniel; HURLIMAN II, John Phillip; JIRATTIGALOCOTE, Wisit; TAFISH, Hasan  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) VERTEX PHARMACEUTICALS INCORPORATED  
 (11) AU-A-2021381509  
 (21) 2021381509 (22) 17.11.2021  
 (54) SOLID FORMS OF 4-(5-(4-FLUOROPHENYL)-6-TETRAHYDRO-2H-PYRAN-4-YL)-1,5-DIHYDROPYRROLO[2,3-F]INDAZOL-7-YL)BENZOIC ACID  
 (51) Int. Cl.  
**A61P 1/16** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61K 31/4162** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
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 (43) 27.05.2022  
 (72) SHI, Yi; LAI, Mei-Hsiu; MEDEK, Ales; HU, Kan-Nian; SONG, Zhengtian; TORRICO GUZMAN, Elisa, A.; SOKOLOWSKY, Kathleen, Paige; GIROUX, Simon; LIU, Siying; OVERHOFF, Kirk, Alan; RODAY, Setu; SAWANT, Rupa; SPOSATO, Marisa  
 (74) AJ PARK
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- (71) VERTEX PHARMACEUTICALS INCORPORATED  
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 (21) 2021383176 (22) 17.11.2021  
 (54) MACROCYCLES CONTAINING A 1,3,4-OXADIAZOLE RING FOR USE AS MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR  
 (51) Int. Cl.  
**F16B 31/02** ( 2006.01 )  
**F16B 37/02** ( 2006.01 )  
**F16B 39/24** ( 2006.01 )  
**F16B 39/282** ( 2006.01 )  
**F16B 39/284** ( 2006.01 )  
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- (51) Int. Cl.  
**C07D 498/18** ( 2006.01 )  
**A61K 31/439** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
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 (31) 63/115,552 (32) 18.11.20 (33) US  
 (43) 27.05.2022  
 (72) CLEMENS, Jeremy J.; BECHARA, William Schulz; BOOKSER, Brett C.; CLEVELAND, Thomas; COON, Timothy; GALLANT, Michel; GROOTENHUIS, Peter Diederik Jan; HADIDA RUAH, Sara Sabina; LATREUR, Julie; MILLER, Mark Thomas; PARASELLI, Prasuna; RAMTOHUL, Yeeman K.; REDDY, Thumkunta Jagadeeswar; STURINO, Claudio; VALDEZ, Lino; ZHOU, Jinglan; BAEK, Minson  
 (74) AJ PARK
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- (71) VIASAT, INC.  
 (11) AU-A-2020476712  
 (21) 2020476712 (22) 13.11.2020  
 (54) MULTI-STATIC SYNTHETIC APERTURE RADAR USING LOW EARTH ORBIT COLLECTION  
 (51) Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**G01S 13/89** ( 2006.01 )  
**G01S 13/90** ( 2006.01 )  
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 (72) MILLER, Craig, A.; GREENIDGE, David, D.; BUER, Kenneth, V.; HANCHARIK, David, J.  
 (74) Adams Pluck
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- (71) VIASAT, INC.  
 (11) AU-A-2020476995  
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 (54) INTEGRATED ANTENNA ARRAY WITH BEAMFORMER IC CHIPS HAVING MULTIPLE SURFACE INTERFACES  
 (51) Int. Cl.  
**H01Q 1/22** ( 2006.01 )  
**H01Q 3/40** ( 2006.01 )  
**H01Q 21/06** ( 2006.01 )  
 (87) WO2022/103402  
 (43) 19.05.2022  
 (72) FRANSON, Steven J.  
 (74) Adams Pluck
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- (71) VICTAULIC COMPANY  
 (11) AU-A-2021379551  
 (21) 2021379551 (22) 26.10.2021  
 (54) TORQUE ABSORBING SURFACE  
 (51) Int. Cl.  
**F16B 31/02** ( 2006.01 )  
**F16B 37/02** ( 2006.01 )  
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| (72) BOWMAN, Matthew, A.; MADARA, Scott, D.  |                 |         | (31) 63/117,448  | (32) 23.11.20   | (33) US  | (43) 05.05.2022  |
| (74) Spruson & Ferguson  |                 |         | 63/123,424   | 09.12.20        | US       | (72) SCHIFFMAN, Rhett Mead; FIRE-<br>STONE, Bruce Alan   |
|  |                 |         | 63/197,160   | 04.06.21        | US       | (74) FB Rice Pty Ltd   |
|  |                 |         | 63/261,463   | 21.09.21        | US       |  |
|  |                 |         | (43) 27.05.2022  |                 |          |  |
| (71) VICTORIAN HYDRAULICS PTY LTD  |                 |         | (72) CORTI, Davide; PIZZUTO, Matteo  |                 |          | (71) VOLTA ENERGY, INC.  |
| (11) AU-A-2020380409   |                 |         | Samuele; MINOLA, Andrea; CAMER-<br>ONI, Elisabetta; SNELL, Gyorgy;   |                 |          | (11) AU-A-2021385564   |
| (21) 2020380409  | (22) 28.10.2020 |         | FERRI, Elena   |                 |          | (21) 2021385564  |
| (54) A FRAME FOR A VEHICLE   |                 |         | (74) Spruson & Ferguson  |                 |          | (22) 24.11.2021  |
| (51) Int. Cl.  |                 |         |  |                 |          | (54) ELECTROCHEMICAL CELL AND<br>METHOD FOR CARBON CAPTURE<br>WITH ENERGY STORAGE  |
| B60P 1/32 ( 2006.01 )  |                 |         |  |                 |          | (51) Int. Cl.  |
| B60P 1/16 ( 2006.01 )  |                 |         |  |                 |          | H01M 8/18 ( 2006.01 )  |
| (87) WO2021/087553   |                 |         | (71) VIRENTIA INNOVATION INC.  |                 |          | H01M 8/0668 ( 2016.01 )  |
| (43) 14.05.2021  |                 |         | (11) AU-A-2021363134   |                 |          | (87) WO2022/115605   |
| (72) KENDALL, Jeffrey; KENDALL, Simon Jeffrey  |                 |         | (21) 2021363134  | (22) 21.10.2021 |          | (31) 63/119,058  |
| (74) Spruson & Ferguson  |                 |         | (54) COMPOSITIONS COMPRISING<br>FABACEAE FAMILY PLANT COMPONENTS,<br>PROCESSES OF PREPARATION AND USES THEREOF                           |                 |          | (32) 30.11.20  |
|  |                 |         |  |                 |          | (33) US  |
|  |                 |         | (51) Int. Cl.  |                 |          | (43) 02.06.2022  |
|  |                 |         | C12N 5/04 ( 2006.01 )  |                 |          | (72) DATTA, Ravindra; PURANAM, Srivatsava V.; DATTA, Karan   |
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|  |                 |         | A23L 33/185 ( 2016.01 )  |                 |          |  |
|  |                 |         | A23L 33/21 ( 2016.01 )   |                 |          |  |
|  |                 |         | A23P 10/40 ( 2016.01 )   |                 |          |  |
|  |                 |         | C12N 9/00 ( 2006.01 )  |                 |          |  |
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|  |                 |         | (43) 28.04.2022  |                 |          |  |
|  |                 |         | (72) LAVALLÉE, Pierre; DESGAGNÉS, Réjean; CAMBRON-FORTIN, Laurence; VÉZINA, Louis-philippe; TALBOT, Pierre                               |                 |          |  |
|  |                 |         | (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD  |                 |          |  |
|  |                 |         |  |                 |          |  |
| (71) VIFOR (INTERNATIONAL) AG; ETH ZÜRICH  |                 |         | (71) VISTERRA, INC.; THE GENERAL HOSPITAL CORPORATION  |                 |          | (71) VOYAGER BIOMEDICAL, INC.  |
| (11) AU-A-2021380963   |                 |         | (11) AU-A-2021391924   |                 |          | (11) AU-A-2021382003   |
| (21) 2021380963  | (22) 19.11.2021 |         | (21) 2021391924  | (22) 03.12.2021 |          | (21) 2021382003  |
| (54) INOSITOL HEXAKISPHOSPHATE ANALOGUES FOR TREATMENT OF CALCIFICATION ASSOCIATED KIDNEY DISEASES           |                 |         | (54) METHODS OF USING INTERLEUKIN-2 AGENTS   |                 |          | (22) 19.11.2021  |
| (51) Int. Cl.  |                 |         | (51) Int. Cl.  |                 |          | (54) VASCULAR ACCESS DEVICE WITH VESSEL ACCOMODATION   |
| A61K 31/7028 ( 2006.01 )   |                 |         | A61K 38/20 ( 2006.01 )   |                 |          | (51) Int. Cl.  |
| A61P 3/12 ( 2006.01 )  |                 |         | A61P 37/06 ( 2006.01 )   |                 |          | A61M 39/02 ( 2006.01 )   |
| A61P 13/12 ( 2006.01 )   |                 |         | (87) WO2022/120224   |                 |          | A61B 17/34 ( 2006.01 )   |
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| (31) 20209090.8  | (32) 20.11.20   | (33) EP | 63/283,822   | 29.11.21        | US       | A61M 5/00 ( 2006.01 )  |
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| (72) IVARSSON, Mattias, Emanuel; LEROUX, Jean-Christophe; KLETZMAYR, Anna; KURO-O, Makoto; HAYASHI, Hirosaka |                 |         | (72) CARLSON, Scott, Moore; SHRIVER, Zachary; RAMAKRISHNAN, Boopathy; BABCOCK, Gregory; DE JESUS BORGES, Thiago; RIELLA, Leonardo, Vidal |                 |          | (87) WO2022/109255   |
| (74) SR Intellectual Property  |                 |         | (74) Davies Collison Cave Pty Ltd  |                 |          | (31) 63/115,981  |
|  |                 |         |  |                 |          | (32) 19.11.20  |
|  |                 |         |  |                 |          | (33) US  |
|  |                 |         |  |                 |          | (43) 27.05.2022  |
|  |                 |         |  |                 |          | (72) GLOWCZWSKI, Alan  |
|  |                 |         |  |                 |          | (74) PIPERS  |
|  |                 |         |  |                 |          |  |
| (71) VIRACTA SUBSIDIARY, INC.  |                 |         | (71) VISUS THERAPEUTICS, INC.  |                 |          | (71) WARPSPACE, INC.   |
| (11) AU-A-2021368107   |                 |         | (11) AU-A-2021369566   |                 |          | (11) AU-A-2021377060   |
| (21) 2021368107  | (22) 28.10.2021 |         | (21) 2021369566  | (22) 02.11.2021 |          | (21) 2021377060  |
| (54) HDAC INHIBITOR SOLID STATE FORMS  |                 |         | (54) DEGRADANT COMPOUND IN A MEDICAMENT  |                 |          | (22) 12.11.2021  |
| (51) Int. Cl.  |                 |         | (51) Int. Cl.  |                 |          | (54) COMMUNICATION CONTROL APPARATUS, COMMUNICATION CONTROL METHOD, COMMUNICATION CONTROL PROGRAM, COMMUNICATION CONTROL SYSTEM, COMMUNICATION RELAY SATELLITE, AND SATELLITE SYSTEM |
| C07D 209/52 ( 2006.01 )  |                 |         | A61K 31/165 ( 2006.01 )  |                 |          | (51) Int. Cl.  |
| C07D 401/14 ( 2006.01 )  |                 |         | A61K 31/4164 ( 2006.01 )   |                 |          | H04B 7/185 ( 2006.01 )   |
| C07D 403/04 ( 2006.01 )  |                 |         | A61K 31/439 ( 2006.01 )  |                 |          | B64G 1/66 ( 2006.01 )  |
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| (74) FB Rice Pty Ltd   |                 |         |  |                 |          | (33) JP  |
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|  |                 |         |  |                 |          | (43) 19.05.2022  |
|  |                 |         |  |                 |          | (72) TSUNEMACHI, Satoru; NAGATA, Akihiro; AZUMA, Hiromitsu   |
|  |                 |         |  |                 |          | (74) Griffith Hack   |
|  |                 |         |  |                 |          |  |
| (71) VIR BIOTECHNOLOGY, INC.; HUMABS BIOMED SA   |                 |         |  |                 |          | (71) WEATHERFORD TECHNOLOGY HOLDINGS, LLC  |
| (11) AU-A-2021381778   |                 |         |  |                 |          | (11) AU-A-2021400988   |
| (21) 2021381778  | (22) 19.11.2021 |         |  |                 |          | (21) 2021400988  |
| (54) BROADLY NEUTRALIZING ANTIBODIES AGAINST INFLUENZA NEURAMINIDASE   |                 |         |  |                 |          | (22) 27.08.2021  |
| (51) Int. Cl.  |                 |         |  |                 |          |  |
| A61P 31/16 ( 2006.01 )   |                 |         |  |                 |          |  |
| C07K 16/10 ( 2006.01 )   |                 |         |  |                 |          |  |

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(51) Int. Cl.  
*E21B 33/12* ( 2006.01 )  
*E21B 47/06* ( 2012.01 )  
*E21B 47/12* ( 2012.01 )  
*E21B 47/26* ( 2012.01 )  
(87) WO2022/132247  
(31) 17/126,599 (32) 18.12.20 (33) US  
(43) 23.06.2022  
(72) ADAMS, Keith; HUMPHREY, Jon  
(74) WRAYS PTY LTD
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- (71) WELLTEC OILFIELD SOLUTIONS AG  
(11) AU-A-2021367992  
(21) 2021367992 (22) 29.10.2021  
(54) DOWNHOLE PACKER ASSEMBLY  
(51) Int. Cl.  
*E21B 33/124* ( 2006.01 )  
*E21B 23/04* ( 2006.01 )  
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(31) 20204922.7 (32) 30.10.20 (33) EP  
(43) 05.05.2022  
(72) HALLUNDBÆK, Jørgen  
(74) GLMR
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- (71) WESTINGHOUSE ELECTRIC COMPANY LLC  
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(21) 2021378415 (22) 15.11.2021  
(54) RADIOISOTOPE ACTIVITY SURVEILLANCE APPARATUS, SYSTEM, AND METHOD  
(51) Int. Cl.  
*G21C 17/06* ( 2006.01 )  
*G21C 17/104* ( 2006.01 )  
*G21C 23/00* ( 2006.01 )  
*G21G 1/02* ( 2006.01 )  
(87) WO2022/104382  
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(43) 19.05.2022  
(72) HEIBEL, Michael, D.; FETTERMAN, Robert, J.; PRIBLE, Michael, C.; CHEN, Jianwei  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2021374973 (22) 05.11.2021  
(54) SYSTEMS AND METHODS FOR PREVENTING THE SPREAD OF FIRE  
(51) Int. Cl.  
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(72) MCLEAN, Douglas; STANLEY, David  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) WILL LEWIS CONSULTING, LLC  
(11) AU-A-2021353915  
(21) 2021353915 (22) 28.09.2021
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- (54) SYSTEM AND METHOD FOR MULTIPLE LIQUID SAMPLE CAPTURE FROM AERIAL DRONES  
(51) Int. Cl.  
*G01N 1/12* ( 2006.01 )  
*B64C 39/02* ( 2023.01 )  
*B64D 1/22* ( 2006.01 )  
*G01N 1/10* ( 2006.01 )  
*G01N 33/18* ( 2006.01 )  
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(43) 07.04.2022  
(72) LEWIS, William, H.; LLOYD, Thomas, S.  
(74) Spruson & Ferguson
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- (71) WISK AERO LLC  
(11) AU-A-2021374982  
(21) 2021374982 (22) 05.11.2021  
(54) COMPACT VERTIPORT WITH EFFICIENT SPACE UTILIZATION  
(51) Int. Cl.  
*B64F 1/00* ( 2006.01 )  
*B60L 53/18* ( 2019.01 )  
(87) WO2022/099030  
(31) 63/111,522 (32) 09.11.20 (33) US  
(43) 12.05.2022  
(72) TIGHE, James Joseph; LONG, Geoffrey Alan; TZARNOTZKY, Uri  
(74) Davies Collision Cave Pty Ltd
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- (71) WM. WRIGLEY JR. COMPANY  
(11) AU-A-2021412895  
(21) 2021412895 (22) 21.12.2021  
(54) CLAMSHELL PACKAGING CONTAINER  
(51) Int. Cl.  
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(87) WO2022/146794  
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(74) MINTER ELLISON
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(11) AU-A-2021366326  
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(54) WHEEL SET BRAKE MECHANISM AND BABY TRANSPORT  
(51) Int. Cl.  
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(31) 202011143964.3 (32) 22.10.20 (33) CN  
(43) 28.04.2022  
(72) ZHU, Wanquan; GUO, Zhengwen  
(74) James & Wells Intellectual Property
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(54) BED FRAME STRUCTURE  
(51) Int. Cl.  
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(72) ZHONG, Zhiren  
(74) Allens Patent & Trade Mark Attorneys
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| 2021360206 | GIVAUDAN SA  | 2021365816 | BARUCH S. BLUMBERG INSTITUTE   |
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| 2021360292 | DEPUY SYNTHES PRODUCTS, INC.   |            |  |
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| 2021365817 | ESCAPE THERAPEUTICS, INC.  | 2021369197 | ARRIS ENTERPRISES LLC   |
| 2021365839 | RESILIENT MEDICAL CORP.  | 2021369203 | KIMBERLY-CLARK WORLDWIDE, INC.  |
| 2021365910 | FUJIKURA LTD.  | 2021369315 | JOII LTD  |
| 2021365923 | TRIPOD DESIGN CO., LTD.  | 2021369412 | BOU-RABEE, K.   |
| 2021366092 | TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)   | 2021369448 | MERCK PATENT GMBH   |
| 2021366148 | DIEHL DEFENCE GMBH & CO. KG  | 2021369450 | KYMAB LIMITED   |
| 2021366217 | SANOFI   | 2021369462 | FOLLICUM AB; UNIVERSITY OF BRADFORD   |
| 2021366223 | SANOFI   | 2021369494 | ARSENAL BIOSCIENCES, INC.   |
| 2021366256 | SICONA BATTERY TECHNOLOGIES PTY LTD  | 2021369566 | VISUS THERAPEUTICS, INC.  |
| 2021366257 | ANDISON, T.  | 2021369585 | MAKO SURGICAL CORP.   |
| 2021366270 | MUSTGROW BIOLOGICS CORP.   | 2021369590 | IKENA ONCOLOGY, INC.  |
| 2021366293 | GA HEALTH MEDICAL DEVICES LIMITED  | 2021369648 | UNIVERSITY OF WASHINGTON  |
| 2021366303 | EVOTEC INTERNATIONAL GMBH  | 2021369663 | PRINCE, T.L.  |
| 2021366326 | WONDERLAND SWITZERLAND AG  | 2021369673 | CROWN EQUIPMENT CORPORATION   |
| 2021366341 | ARARIS BIOTECH AG  | 2021369739 | SOLENIUS TECHNOLOGIES CAYMAN, L.P.  |
| 2021366372 | INIXIO LIMITED   | 2021369744 | SPEER, T.   |
| 2021366390 | YOURGENE HEALTH CANADA INC.  | 2021369751 | FULLER, D.L.  |
| 2021366392 | PROHIBITION X PTE LTD  | 2021369759 | ELLISON ENVIRONMENTAL SERVICES LTD  |
| 2021366438 | RETROSPINE PTY LTD   | 2021369836 | CROCKETT, R.J.  |
| 2021366457 | LAKE PRODUCTS LIMITED  | 2021369844 | BRADKEN RESOURCES PTY LIMITED   |
| 2021366504 | TEL HASHOMER MEDICAL RESEARCH INFRA-<br>STRUCTURE AND SERVICES LTD.                  | 2021369849 | ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY   |
| 2021366577 | CHANGSHA HEIJINGANG INDUSTRIAL CO., LTD  | 2021369949 | ANI TECHNOLOGIES PRIVATE LIMITED  |
| 2021366614 | AESCLAP AG   | 2021370099 | ROBERT BOSCH GMBH   |
| 2021366658 | ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED   | 2021370113 | INERATEC GMBH   |
| 2021366670 | COLLIER, J.J.  | 2021370222 | JANSSEN PHARMACEUTICA NV  |
| 2021366805 | KYOTO PREFECTURAL PUBLIC UNIVERSITY COR-<br>PORATION                                 | 2021370296 | PURDUE RESEARCH FOUNDATION  |
| 2021366957 | BRADKEN RESOURCES PTY LIMITED  | 2021370372 | NATIONAL UNIVERSITY OF IRELAND, GALWAY  |
| 2021366959 | ZEOTECH LIMITED  | 2021370570 | MAICON ENGINEERING OY   |
| 2021367018 | SHANGHAI REINOVAX BIOLOGICS CO., LTD;<br>SHANGHAI MICRODOM BIOTECH CO., LTD          | 2021370788 | SHATTUCK LABS, INC.   |
| 2021367089 | SUZHOU ZELGEN BIOPHARMACEUTICALS CO.,<br>LTD.; SHANGHAI ZELGEN PHARMA.TECH CO., LTD. | 2021370840 | T3 PHARMACEUTICALS AG   |
| 2021367147 | EVOTEC INTERNATIONAL GMBH  | 2021370904 | MERCK PATENT GMBH   |
| 2021367435 | KURARAY CO., LTD.  | 2021370920 | LEONARDO UK LTD   |
| 2021367592 | KOREA INSTITUTE OF RADIOLOGICAL & MEDICAL<br>SCIENCES                                | 2021370954 | BIOTISSUE HOLDINGS INC.   |
| 2021367766 | ROBERT BOSCH GMBH  | 2021370972 | TRUVALUE LABS, INC.   |
| 2021367820 | MERCK PATENT GMBH  | 2021370987 | NATIONAL UNIVERSITY OF SINGAPORE; SINGA-<br>PORE HEALTH SERVICES PTE. LTD.                        |
| 2021367878 | JANSSEN PHARMACEUTICA NV   | 2021370991 | ARES TRADING S.A.; GLAXOSMITHKLINE INTEL-<br>LECTUAL PROPERTY (NO. 4) LTD.                        |
| 2021367879 | BOREALIS AG  | 2021370993 | TECHNISCHE UNIVERSITÄT DRESDEN  |
| 2021367917 | SANOFI PASTEUR   | 2021371039 | REGENERON PHARMACEUTICALS, INC.   |
| 2021367929 | COMMSCOPE TECHNOLOGIES LLC   | 2021371040 | SIMCHA IL-18, INC.; YALE UNIVERSITY   |
| 2021367992 | WELLTEC OILFIELD SOLUTIONS AG  | 2021371064 | UNIVERSITY OF STRATHCLYDE   |
| 2021368057 | SHELTERED WINGS, INC. D/B/A VORTEX OPTICS  | 2021371085 | DEPUY SYNTHES PRODUCTS, INC.  |
| 2021368080 | MAYBORN (UK) LIMITED   | 2021371161 | JTL ENTERPRISES, INC.   |
| 2021368099 | ARCUTIS BIOTHERAPEUTICS, INC.  | 2021371184 | QURA S.R.L.   |
| 2021368107 | VIRACTA SUBSIDIARY, INC.   | 2021371196 | CONCEPTION BIOSCIENCES, INC.  |
| 2021368138 | TREThERA CORPORATION   | 2021371310 | NAIAD MARITIME GROUP, INC.  |
| 2021368196 | RHODES TECHNOLOGIES  | 2021371394 | HITACHI, LTD.   |
| 2021368232 | GRAFA PTY LTD  | 2021371438 | THE UNIVERSITY OF SYDNEY  |
| 2021368257 | FALCON AUTOTECH PRIVATE LIMITED  | 2021371515 | KABUSHIKI KAISHA EARTHTECHNICA  |
| 2021368390 | QILU UNIVERSITY OF TECHNOLOGY  | 2021371528 | YUGENKAISHA JAPAN TSUSYO  |
| 2021368571 | LONGYEAR TM, INC.  | 2021371697 | SUZHOU YABAO PHARMACEUTICAL R&D CO., LTD.   |
| 2021368580 | SOURCE GLOBAL, PBC   | 2021371709 | FUDAN UNIVERSITY; BIOTROY THERAPEUTICS  |
| 2021368614 | FISHER & PAYKEL HEALTHCARE LIMITED   | 2021371794 | KIM, J.W.; LEE, J.O.; KIM, H.J.; KIM, H.W.  |
| 2021368639 | SONOS, INC.  | 2021371895 | EVONIK OPERATIONS GMBH  |
| 2021368648 | NOVATEK THERAPEUTICS, LLC  | 2021371931 | TINA TANN A/S   |
| 2021368667 | CALICO LIFE SCIENCES LLC; ABBVIE INC.  | 2021371932 | JANSSEN BIOTECH, INC.   |
| 2021368759 | ELEMENT BIOSCIENCES, INC.  | 2021371958 | NEUOME PEPTIDES PTE. LTD.   |
| 2021368778 | MAZURSKY, H.; MAZURSKY, A.; MAZURSKY, L.A.   | 2021372079 | SUNTORY HOLDINGS LIMITED  |
| 2021368780 | NEUVOGEN, INC.   | 2021372118 | KURARAY NORITAKE DENTAL INC.  |
| 2021368792 | ANDERSON, M.C.   | 2021372119 | KURARAY CO., LTD.   |
| 2021368859 | THE FLOREY INSTITUTE OF NEUROSCIENCE AND<br>MENTAL HEALTH                            | 2021372247 | ARIZONA BOARD OF REGENTS ON BEHALF OF<br>THE UNIVERSITY OF ARIZONA; PROCYON TECH-<br>NOLOGIES LLC |
| 2021368861 | RESMED PTY LTD   | 2021372249 | DATTO, INC.   |
| 2021368870 | IDEON TECHNOLOGIES INC.  | 2021372270 | BAYLOR COLLEGE OF MEDICINE  |
| 2021368986 | GUANGZHOU SIGTENNA TECHNOLOGY CO., LTD.  | 2021372291 | DAKTRONICS, INC.  |
| 2021368987 | CORETEX LIMITED  | 2021372441 | AXIXE LLC   |
| 2021368988 | TETRANTARES LIMITED  | 2021372454 | KINIKSA PHARMACEUTICALS, LTD.   |
| 2021369194 | CCH INCORPORATED   | 2021372463 | JANSSEN BIOTECH, INC.   |
|            |  | 2021372485 | PIGGY LLC   |
|            |  | 2021372512 | SUN PHARMACEUTICAL INDUSTRIES, INC.   |



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| 2021372513 | OGIVE TECHNOLOGY, INC.   | 2021374973 | WILDFIRE SHIELD  |
| 2021372553 | KRAMA TECHNOLOGIES PTY LTD   | 2021374982 | WISK AERO LLC  |
| 2021372556 | PT BLINK LIMITED   | 2021375053 | PDC MACHINES INC.  |
| 2021372639 | OMICRON ELECTRONICS GMBH   | 2021375077 | GOULD, A.; RAFFERTY, C.  |
| 2021372658 | MEDIAKOS GMBH  | 2021375078 | LARONIX PTY LTD  |
| 2021372714 | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS); UNIVERSITE DE MONTPELLIER (UM); COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA); ECOLE NATIONALE SUPERIEURE DE CHIMIE DE MONTPELLIER (ENSCM) | 2021375080 | MISSION SYSTEMS HOLDINGS PTY LTD.  |
| 2021372717 | THALES   | 2021375225 | TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)   |
| 2021372725 | MERCK PATENT GMBH  | 2021375294 | FUNDACIÓ EURECAT   |
| 2021372730 | DEPUY IRELAND UNLIMITED COMPANY  | 2021375295 | FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.   |
| 2021372731 | ACTIVE FOOD SYSTEMS LIMITED  | 2021375370 | COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.                                  |
| 2021372759 | ELUMINEX BIOSCIENCES (SUZHOU) LIMITED  | 2021375372 | FIVES FCB  |
| 2021372783 | BYD COMPANY LIMITED  | 2021375454 | ROPKA HOLDING APS  |
| 2021372815 | ARES TRADING S.A.; GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 4) LTD.  | 2021375486 | UNIVERSIDAD CARLOS III DE MADRID   |
| 2021372848 | SHENZHEN PROTGEN LTD.  | 2021375500 | NAVI MEDICAL TECHNOLOGIES PTY LTD  |
| 2021372887 | APIOS LIMITED  | 2021375837 | HITACHI, LTD.  |
| 2021372968 | AXIAL THERAPEUTICS, INC.   | 2021376023 | BOBRICK WASHROOM EQUIPMENT, INC.   |
| 2021372972 | LOCUS BIOSCIENCES, INC.  | 2021376026 | CROWN EQUIPMENT CORPORATION  |
| 2021372988 | BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM   | 2021376041 | PPG INDUSTRIES OHIO, INC.  |
| 2021372990 | THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY   | 2021376105 | OIL TECHNOLOGY GROUP, LLC; GOULD, T.; SOLOW, J.; SZABO, D.J.   |
| 2021372997 | LENTIGEN TECHNOLOGY, INC.  | 2021376131 | ADS THERAPEUTICS LLC   |
| 2021373068 | ZIMENO, INC. DBA MONARCH TRACTOR   | 2021376172 | MICROSOFT TECHNOLOGY LICENSING, LLC  |
| 2021373289 | RELIANCE WORLDWIDE CORPORATION (UK) LIMITED; RELIANCE WORLDWIDE CORPORATION (AUST.) PTY. LTD   | 2021376205 | MAX BIOPHARMA, INC.  |
| 2021373306 | ESTECH A/S   | 2021376208 | SENTI BIOSCIENCES, INC.  |
| 2021373322 | SCHOTT AG; SCHOTT PRIMOCCELER OY   | 2021376216 | KIMBERLY-CLARK WORLDWIDE, INC.   |
| 2021373326 | QUELL THERAPEUTICS LTD   | 2021376224 | STRYKER CORPORATION  |
| 2021373335 | SALARUSTA OY   | 2021376225 | ELI LILLY AND COMPANY  |
| 2021373368 | SPECIFIC BIOLOGICS INC.  | 2021376241 | HAN, H.; ZHOU, X.  |
| 2021373380 | BIO REFINE LTD.  | 2021376242 | DEXCOM, INC.   |
| 2021373463 | MARUEMU WORKS CO., LTD.  | 2021376275 | SMARTPAK EQUINE LLC  |
| 2021373552 | POWER MANAGEMENT HOLDINGS (U.S.), INC.   | 2021376286 | DAY ONE BIOPHARMACEUTICALS, INC.; DANA-FARBER CANCER INSTITUTE, INC.; THE BRIGHAM AND WOMEN'S HOSPITAL, INC. |
| 2021373575 | ZEBRA TECHNOLOGIES CORPORATION   | 2021376300 | EISAI R&D MANAGEMENT CO., LTD.   |
| 2021373590 | SALK INSTITUTE FOR BIOLOGICAL STUDIES; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA CAREFUSION 303, INC.  | 2021376329 | JOY GLOBAL SURFACE MINNING INC   |
| 2021373614 | BRIAN THORSON  | 2021376350 | UNIVERSITY OF WASHINGTON   |
| 2021373636 | INNOVATIVE BIOMECHANICAL SOLUTIONS, LLC  | 2021376354 | MYELOID THERAPEUTICS, INC.   |
| 2021373709 | THE TRUSTEES OF DARTMOUTH COLLEGE  | 2021376364 | MOMENTA PHARMACEUTICALS, INC.  |
| 2021373781 | LOCUS BIOSCIENCES, INC.  | 2021376390 | ARBUTUS BIOPHARMA CORPORATION  |
| 2021373795 | CANCER ADVANCES INC.; GEORGETOWN UNIVERSITY  | 2021376415 | PRELUDE THERAPEUTICS INCORPORATED  |
| 2021373880 | TAE TECHNOLOGIES, INC.   | 2021376420 | KRATOS INTEGRAL HOLDINGS, LLC  |
| 2021373891 | PDC MACHINES INC.  | 2021376430 | EBR SYSTEMS, INC.  |
| 2021373897 | CHARITÉ - UNIVERSITAETS MEDIZIN BERLIN   | 2021376441 | RESMED PTY LTD   |
| 2021374038 | ACCESS SOFTWARE AUSTRALIA PTY LTD  | 2021376500 | NANJING SHIJIANG MEDICINE TECHNOLOGY CO., LTD; TONGJI UNIVERSITY   |
| 2021374230 | PHOTON VAULT, LLC  | 2021376528 | CASALE SA  |
| 2021374494 | LOCUS SOLUTIONS IPCO, LLC  | 2021376545 | HATCH LTD.   |
| 2021374579 | EDIGENE (GUANGZHOU) INC.   | 2021376899 | NANTES UNIVERSITE  |
| 2021374598 | THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY  | 2021376932 | ADVANCED STERILIZATION PRODUCTS, INC.  |
| 2021374649 | ZEBRA TECHNOLOGIES CORPORATION   | 2021377060 | WARPSPACE, INC.  |
| 2021374667 | RUAG AMMOTEC AG  | 2021377133 | ROHM AND HAAS COMPANY  |
| 2021374729 | NANOBIOTIX   | 2021377160 | QIOPTIQ LIMITED  |
| 2021374754 | DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS; EBERHARD KARLS UNIVERSITÄT TÜBINGEN   | 2021377176 | HAN, H.; ZHOU, X.  |
| 2021374803 | MINCON INTERNATIONAL LIMITED   | 2021377193 | PRAMAND LLC  |
| 2021374828 | COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.  | 2021377198 | INTELLIGAS TECHNOLOGY DEVELOPMENTS PTY LTD   |
| 2021374854 | AGRO INNOVATION INTERNATIONAL  | 2021377201 | SEE I21 PTY LTD  |
| 2021374860 | BEZZARGA, M.   | 2021377210 | OSSIANIX, INC.   |
| 2021374921 | KIMBERLY-CLARK WORLDWIDE, INC.   | 2021377213 | LYVGEN BIOPHARMA HOLDINGS LIMITED  |
| 2021374949 | TAKEDA PHARMACEUTICAL COMPANY LIMITED  | 2021377224 | BIOATLA, INC.  |
| 2021374958 |  | 2021377248 | INIPHARM, INC.   |
|            |  | 2021377272 | BERTRAM, T.A.; JAIN, D.  |
|            |  | 2021377335 | BRANDED ENTERTAINMENT NETWORK, INC.  |
|            |  | 2021377369 | SIKA TECHNOLOGY AG   |
|            |  | 2021377614 | GILEAD SCIENCES, INC.  |
|            |  | 2021377619 | SALK INSTITUTE FOR BIOLOGICAL STUDIES; THE SCRIPPS RESEARCH INSTITUTE  |
|            |  | 2021377685 | IDS TECHNOLOGY LLC   |
|            |  | 2021377686 | THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK  |

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| 2021377690 | NIAGARA BOTTLING, LLC   | 2021380562 | STENDALS EL AB  |
| 2021377693 | DIVERSEY, INC.  | 2021380578 | MICROSOFT TECHNOLOGY LICENSING, LLC   |
| 2021377717 | HEILALA VANILLA LIMITED   | 2021380646 | MUTEME LLC  |
| 2021377727 | EVERFLO AUSTRALIA PTY LTD   | 2021380683 | STANDARD ALCOHOL COMPANY OF AMERICA, INC.   |
| 2021377729 | VALE S.A.   | 2021380736 | FLEXCHARGING, INC.  |
| 2021377857 | STELLA PHARMA CORPORATION   | 2021380737 | FLEXCHARGING, INC.  |
| 2021377880 | PRAMAND LLC   | 2021380754 | AMGEN INC.; CYTOKINETICS, INC.  |
| 2021377893 | SCRIPPS RESEARCH INSTITUTE, THE; VOVA IDA THERAPEUTICS, INC.  | 2021380755 | ICOSAVAX, INC.  |
| 2021377901 | PERFECT DAY, INC.   | 2021380759 | OREGON TOOL, INC.   |
| 2021377912 | CARGILL, INCORPORATED   | 2021380809 | ALNYLAM PHARMACEUTICALS, INC.   |
| 2021378075 | EUROPEAN MOLECULAR BIOLOGY LABORATORY; BOREA THERAPEUTICS S.R.L.  | 2021380823 | PRECISION BIOSCIENCES, INC.   |
| 2021378113 | PFIZER INC.   | 2021380836 | TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION; SFA THERAPEUTICS, INC.; FEITELSON, M.A.; ARZUMANYAN, A.; SPECTOR, I.  |
| 2021378152 | DAIICHI SANKYO COMPANY, LIMITED   | 2021380840 | BRAIN DRIP LLC  |
| 2021378285 | ALLEN INSTITUTE   | 2021380855 | Langweisi Technology (Shenzhen) Co., Ltd  |
| 2021378306 | ELANCO US INC.  | 2021380899 | EW NUTRITION GMBH   |
| 2021378320 | SPERO THERAPEUTICS, INC.  | 2021380914 | ACOUSIA THERAPEUTICS GMBH   |
| 2021378325 | GPB SCIENTIFIC, INC.  | 2021380937 | ØRSTED WIND POWER A/S   |
| 2021378411 | HUM INDUSTRIAL TECHNOLOGY, INC.; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM   | 2021380950 | DAPHNE TECHNOLOGY SA  |
| 2021378415 | WESTINGHOUSE ELECTRIC COMPANY LLC   | 2021380951 | BASF SE   |
| 2021378575 | ASTELLAS PHARMA INC.; NATIONAL CANCER CENTER  | 2021380963 | VIFOR (INTERNATIONAL) AG; ETH ZÜRICH  |
| 2021378638 | PROJECT FLOCK PTY LTD   | 2021380964 | EXACT SCIENCES PROTEOMICS GMBH  |
| 2021378639 | INNOVAERO TECHNOLOGIES PTY LTD  | 2021380966 | INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); INSTITUT JEAN PAOLI & IRENE CALMETTES; ALDERAAN BIOTECHNOLOGY; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE D'AIX MARSEILLE; UNIVERSITE PARIS CITE; UNIVERSITE PARIS EST CRETEIL VAL DE MARNE |
| 2021378641 | MASTEROL FOODS PTY. LTD.  | 2021380973 | ASSA ABLOY AB   |
| 2021378685 | HUAWEI TECHNOLOGIES CO., LTD.   | 2021380980 | BIOSECO SP. Z O.O.  |
| 2021378798 | GREEN REVOLUTION COOLING, INC.  | 2021380992 | GRIFERÍAS GROBER, S.L.; STROHM BATHROOM SOLUTIONS S.A.  |
| 2021378811 | MEDLINE INDUSTRIES, LP  | 2021381011 | FUJIFILM CORPORATION; ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS   |
| 2021378813 | BIOGEN MA INC.  | 2021381012 | 2692372 ONTARIO, INC.; DUNAD THERAPEUTICS LTD.  |
| 2021378828 | HATCH LTD.  | 2021381020 | HYASYNTH BIOLOGICALS INC.   |
| 2021378928 | NITE IZE, INC.  | 2021381049 | RACING FORCE INTERNATIONAL W.L.L.   |
| 2021378950 | STRYKER CORPORATION   | 2021381051 | SIZABLE ENERGY S.R.L.   |
| 2021378965 | PRESIDENT AND FELLOWS OF HARVARD COLLEGE  | 2021381057 | ADAMA MAKHTESHIM LTD.   |
| 2021379015 | THE CLEVELAND CLINIC FOUNDATION   | 2021381094 | BETH-EL MACHINERY LTD.  |
| 2021379089 | NOVY INVEST   | 2021381168 | NIPPON STEEL CORPORATION  |
| 2021379136 | 3M INNOVATIVE PROPERTIES COMPANY  | 2021381272 | HOLLISTER INCORPORATED  |
| 2021379233 | NIPPON STEEL CORPORATION  | 2021381293 | CATERPILLAR INC.  |
| 2021379248 | BOEHRINGER INGELHEIM INTERNATIONAL GMBH   | 2021381301 | BECTON, DICKINSON AND COMPANY   |
| 2021379311 | 3M INNOVATIVE PROPERTIES COMPANY  | 2021381321 | REGENERON PHARMACEUTICALS, INC.   |
| 2021379551 | VICTAULIC COMPANY   | 2021381323 | CERECIN INC.  |
| 2021379561 | HORVAT NOMINEES PTY LTD   | 2021381360 | CSL BEHRING GMBH  |
| 2021379564 | NEWSOUTH INNOVATIONS PTY LIMITED  | 2021381364 | ASTUTE MEDICAL, INC.  |
| 2021379575 | LAU, J.Y.   | 2021381371 | MODERNATX, INC.   |
| 2021379584 | 9 METERS BIOPHARMA, INC.  | 2021381376 | PLUS THERAPEUTICS, INC.; NANOTX, CORP.  |
| 2021379615 | STRYKER CORPORATION   | 2021381384 | THINK THERAPEUTICS, INC.  |
| 2021379672 | IDS TECHNOLOGY LLC  | 2021381395 | REGENERON PHARMACEUTICALS, INC.   |
| 2021379686 | BAKER HUGHES OILFIELD OPERATIONS LLC  | 2021381396 | DENALI THERAPEUTICS INC.  |
| 2021379691 | UNE LLC   | 2021381423 | MEI PHARMA, INC.  |
| 2021379758 | BRANDED ENTERTAINMENT NETWORK, INC.   | 2021381425 | UPKARA, INC.  |
| 2021379770 | SURROZEN OPERATING, INC.  | 2021381437 | ENANTA PHARMACEUTICALS, INC.  |
| 2021379783 | EQUIFAX INC.  | 2021381439 | ABEC, INC.  |
| 2021379816 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.; SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD. | 2021381445 | STEINHAUSER, M.K.   |
| 2021379876 | SOLTEC INNOVATIONS, S.L.  | 2021381456 | CATERPILLAR INC.  |
| 2021379931 | KOUNT INC.  | 2021381473 | THE BOOTS COMPANY PLC   |
| 2021379935 | SLEEP SOLUTIONS OF TEXAS, LLC   | 2021381491 | ACLARIS THERAPEUTICS, INC.  |
| 2021379938 | ISOFIRMS APS  | 2021381495 | SIGHT SCIENCES, INC.  |
| 2021379983 | DICERNA PHARMACEUTICALS, INC.   | 2021381509 | VERTEX PHARMACEUTICALS INCORPORATED   |
| 2021379987 | TRUSTEES OF TUFTS COLLEGE   | 2021381516 | PLIANT THERAPEUTICS, INC.   |
| 2021380040 | ACUTENSION LIMITED  | 2021381692 | HYLER BV  |
| 2021380075 | ASP GLOBAL MANUFACTURING GMBH   | 2021381700 | CHEMICAL & BIOPHARMACEUTICAL LABORATORIES OF PATRAS S.A.  |
| 2021380091 | FLOORING INDUSTRIES LIMITED, SARL   |            |   |
| 2021380099 | ADVANCED STERILIZATION PRODUCTS, INC.   |            |   |
| 2021380156 | ANGELCARE CANADA INC.   |            |   |
| 2021380287 | DAIICHI SANKYO COMPANY, LIMITED   |            |   |
| 2021380319 | mitsubishi tanabe pharma corporation  |            |   |
| 2021380516 | STENDALS EL AB  |            |   |

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| 2021381706 | INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH   | 2021382939 | BOLD THERAPEUTICS INC.   |
| 2021381735 | TOPPAN INC.  | 2021383119 | MICROMED CO., LTD.   |
| 2021381747 | THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  | 2021383176 | VERTEX PHARMACEUTICALS INCORPORATED  |
| 2021381768 | MEMORIAL SLOAN KETTERING CANCER CENTER   | 2021383227 | FOCHON BIOSCIENCES, LTD.   |
| 2021381769 | GILEAD SCIENCES, INC.  | 2021383237 | BIOHENG THERAPEUTICS LIMITED   |
| 2021381778 | VIR BIOTECHNOLOGY, INC.; HUMABS BIOMED SA  | 2021383247 | LINDE GMBH   |
| 2021381870 | COLGATE-PALMOLIVE COMPANY  | 2021383283 | SENGENICS CORPORATION PTE LTD; CHINA MEDICAL UNIVERSITY HOSPITAL   |
| 2021381874 | AMSTED RAIL COMPANY, INC.  | 2021383303 | TEXAS TECH UNIVERSITY SYSTEM   |
| 2021381898 | BECTON, DICKINSON AND COMPANY  | 2021383322 | NEURODERM, LTD.  |
| 2021381925 | SCHLUMBERGER TECHNOLOGY B.V.   | 2021383325 | PRILENIA NEUROTHERAPEUTICS LTD.  |
| 2021381956 | SDG LLC  | 2021383402 | COOLBROOK OY   |
| 2021381957 | TRIVIRUM, INC.   | 2021383415 | MINING AND PROCESS SOLUTIONS PTY LTD   |
| 2021381964 | RADYNE CORPORATION   | 2021383472 | IMBOX PROTECTION A/S   |
| 2021381983 | BECTON, DICKINSON AND COMPANY  | 2021383473 | THE BOOTS COMPANY PLC  |
| 2021381989 | CISION VISION, INC.  | 2021383604 | BECTON, DICKINSON AND COMPANY  |
| 2021382000 | CATERPILLAR INC.   | 2021383626 | ADVANCED STERILIZATION PRODUCTS, INC.  |
| 2021382003 | VOYAGER BIOMEDICAL, INC.   | 2021383628 | CUMMINS POWER GENERATION LIMITED   |
| 2021382010 | UPKARA, INC.   | 2021383742 | FIDELITY INFORMATION SERVICES, LLC   |
| 2021382014 | RYCA INTERNATIONAL, INC.   | 2021383756 | CELLFE, INC.   |
| 2021382029 | SYNGENTA CROP PROTECTION AG; PURDUE RESEARCH FOUNDATION  | 2021383765 | CIRCINUS MEDICAL TECHNOLOGY LLC  |
| 2021382033 | R.P. SCHERER TECHNOLOGIES, LLC   | 2021383819 | INDUCTOTHERM CORP.   |
| 2021382046 | DERMAVANT SCIENCES GMBH  | 2021383821 | OLD DOMINION BRUSH COMPANY   |
| 2021382048 | AMGEN INC.   | 2021383822 | OLD DOMINION BRUSH COMPANY   |
| 2021382111 | WONDERLAND SWITZERLAND AG  | 2021383830 | INOZYME PHARMA, INC.   |
| 2021382116 | INSECTUM APS   | 2021383832 | ENANTA PHARMACEUTICALS, INC.   |
| 2021382134 | BASF SE  | 2021383841 | SCOUT BIO, INC.  |
| 2021382146 | ALPHA ANOMERIC SAS   | 2021383880 | LONGI GREEN ENERGY TECHNOLOGY CO., LTD.  |
| 2021382150 | METSO OUTOTEC FINLAND OY   | 2021383919 | PAYPAL, INC.   |
| 2021382154 | ECOSPEC NOVELTECH PTE LTD  | 2021383928 | RELAY THERAPEUTICS, INC.   |
| 2021382172 | TRITIUM HOLDINGS PTY LTD   | 2021383940 | EQUIFAX INC.   |
| 2021382233 | BÜHLER AG  | 2021383941 | NEPRUD, K.   |
| 2021382306 | CENTRE HOSPITALIER RÉGIONAL ET UNIVERSITAIRE DE BREST; UNIVERSITÉ DE BRETAGNE OCCIDENTALE; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE | 2021383949 | THE BOOTS COMPANY PLC  |
| 2021382320 | A O IDEAS GMBH   | 2021383950 | SPEXIS AG  |
| 2021382360 | 2692372 ONTARIO, INC.; DUNAD THERAPEUTICS LTD.   | 2021384002 | UCL BUSINESS LTD; KING'S COLLEGE LONDON  |
| 2021382422 | SAIPEM S.P.A.  | 2021384009 | FUJIFILM CORPORATION   |
| 2021382439 | NATIONAL INSTITUTE OF PLANT GENOME RESEARCH  | 2021384061 | MPOWER HEALTH MANAGEMENT PTY LTD   |
| 2021382590 | ANEBULO PHARMACEUTICALS, INC.  | 2021384064 | MINCLE CO PTY LTD  |
| 2021382599 | PROTOMER TECHNOLOGIES INC.   | 2021384158 | TAIHO PHARMACEUTICAL CO., LTD.   |
| 2021382600 | BECTON, DICKINSON AND COMPANY  | 2021384298 | CHANGSHA HEIJINGANG INDUSTRIAL CO., LTD  |
| 2021382606 | CONSTELLATION PHARMACEUTICALS, INC   | 2021384324 | NUCLEIX LTD.   |
| 2021382621 | UNIVERSITY OF MASSACHUSETTS  | 2021384448 | HYASYNTH BIOLOGICALS INC.  |
| 2021382628 | BALTIMORE AIRCOIL COMPANY, INC.  | 2021384582 | A&J SCIENCE CO.,LTD.   |
| 2021382634 | NORTH AMERICAN PIPE CORPORATION; TRELLEBORG PIPE SEALS B.V.  | 2021384728 | EVOLUTION DRILL RIGS PTY LTD   |
| 2021382645 | MOLY-COP USA LLC   | 2021384746 | FLOW DYNAMICS, LLC   |
| 2021382654 | UMOJA BIOPHARMA, INC.  | 2021384770 | CATCH DATA IP HOLDINGS LTD.  |
| 2021382668 | TONIX PHARMACEUTICALS HOLDING CORP.  | 2021384828 | SIKA TECHNOLOGY AG   |
| 2021382673 | CAREFUSION 303, INC.   | 2021384857 | BASF SE  |
| 2021382674 | AMGEN INC.   | 2021384884 | CARDIOVASCULAR LAB S.R.L.  |
| 2021382712 | HILL, R.D.   | 2021385049 | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES; THE UNIVERSITY OF QUEENSLAND |
| 2021382728 | PAIRWISE PLANTS SERVICES, INC.   | 2021385056 | CHART INC.   |
| 2021382732 | UNITED STATES STEEL CORPORATION  | 2021385062 | SCHLUMBERGER TECHNOLOGY B.V.   |
| 2021382769 | HEFEI INSTITUTES OF PHYSICAL SCIENCE, CHINESE ACADEMY OF SCIENCES  | 2021385089 | CIVCO MEDICAL INSTRUMENTS CO., INC.  |
| 2021382800 | SONOS, INC.  | 2021385196 | GAUDIO LAB, INC.   |
| 2021382801 | MARCUS, M.J.   | 2021385222 | D&D PHARMATECH INC.  |
| 2021382802 | TARGUS INTERNATIONAL LLC   | 2021385230 | EPIROC ROCK DRILLS AKTIEBOLAG  |
| 2021382842 | THE BOOTS COMPANY PLC  | 2021385271 | CATERPILLAR INC.   |
| 2021382843 | SPEXIS AG  | 2021385284 | S & B TECHNICAL PRODUCTS, INC.   |
| 2021382875 | MICROCAPS AG   | 2021385325 | CATERPILLAR TRIMBLE CONTROL TECHNOLOGIES LLC   |
| 2021382883 | GENFIT   | 2021385349 | NOVARTIS AG; LES LABORATOIRES SERVIER  |
| 2021382885 | SEISMIC MECHATRONICS B.V.  | 2021385389 | FUTURE MEDICINE CO., LTD.  |
| 2021382917 | SCANCELL LIMITED   | 2021385434 | CYTOAGENTS, INC.   |
|            |  | 2021385447 | SOMALOGIC OPERATING CO., INC.  |
|            |  | 2021385448 | SCHLUMBERGER TECHNOLOGY B.V.   |
|            |  | 2021385486 | CORNELL UNIVERSITY   |
|            |  | 2021385488 | ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY   |
|            |  | 2021385537 | AMGEN INC.   |

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| 2021385551 | PRECIGEN, INC.   | 2021387608 | DEKA PRODUCTS LIMITED PARTNERSHIP  |
| 2021385552 | INSULET CORPORATION  | 2021387667 | GEORGIA TECH RESEARCH CORPORATION  |
| 2021385555 | MA, M.J.   | 2021387669 | HUNTER DOUGLAS INC.  |
| 2021385564 | VOLTA ENERGY, INC.   | 2021387675 | ADVANCED DRAINAGE SYSTEMS, INC.  |
| 2021385572 | AKAGERA MEDICINES, INC.  | 2021387682 | SMS GROUP GMBH   |
| 2021385582 | SONALASENSE, INC.  | 2021387713 | IFP ENERGIES NOUVELLES   |
| 2021385609 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA; ALPHATHERA LLC   | 2021387720 | CATERPILLAR INC.   |
|            | EMBODY, INC.   | 2021387733 | THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  |
| 2021385611 | WUXI LITTLE SWAN ELECTRIC CO., LTD.  | 2021387755 | XILIS, INC.; DELUBAC, D.; NELSON, D.; CALAWAY, J.; FREED, D.                                 |
| 2021385681 | MARUHO CO., LTD.; THE UNIVERSITY OF TOKYO  | 2021387767 | RECKITT BENCKISER VANISH B.V.  |
| 2021385871 | MARUHO CO., LTD.; THE UNIVERSITY OF TOKYO  | 2021387793 | ASSA ABLOY AB  |
| 2021385919 | LOTTE CHEMICAL CORPORATION   | 2021387794 | BASF SE  |
| 2021385934 | GREEN AMMO AS  | 2021387802 | NEXOGEN, INC.  |
| 2021386045 | SAAB AB  | 2021387812 | EMBODY, INC.   |
| 2021386111 | MSINTECH CO., LTD.   | 2021387822 | J&M SHULER MEDICAL INC.  |
| 2021386149 | AMGEN INC.   | 2021387846 | SUEZ GROUPE  |
| 2021386151 | IFP ENERGIES NOUVELLES   | 2021387880 | BRAIN CORP SA  |
| 2021386245 | SILARA MEDTECH INC.  | 2021387908 | ALIGOS THERAPEUTICS, INC.  |
| 2021386249 | LIVEPERSON, INC.   | 2021387911 | FIDELITY INFORMATION SERVICES, LLC   |
| 2021386257 | NEXOGEN, INC.  | 2021387920 | EC-MOBILE, LLC; FIGORITO, M.; GISNARIAN, C.  |
| 2021386287 | CARBONX B.V.   | 2021387969 | LABORATORY CORPORATION OF AMERICA HOLDINGS   |
| 2021386360 | COLGATE-PALMOLIVE COMPANY  |            |  |
| 2021386367 | NOVARTIS AG; LES LABORATOIRES SERVIER  | 2021387987 | GEOQUEST SYSTEMS B.V.  |
| 2021386370 | LYELL IMMUNOPHARMA, INC.   | 2021387991 | MEYER INTELLECTUAL PROPERTIES LIMITED; CHENG, S.K.S.   |
| 2021386377 | M&M INTERNATIONAL LLC  | 2021387998 | AVIRUS, INC.   |
| 2021386380 | MESO SCALE TECHNOLOGIES, LLC.; MERRILL'S PACKAGING, INC.; LAVRYKOVA-MARRAIN, N.; TRAN, J.V.; SCOTT, K. | 2021388021 | NOVARTIS AG  |
|            | CATERPILLAR INC.   | 2021388028 | LUMENIS LTD  |
| 2021386381 | CATERPILLAR INC.   | 2021388036 | COLGATE-PALMOLIVE COMPANY  |
| 2021386384 | MEYER INTELLECTUAL PROPERTIES LIMITED; CHENG, S.K.S.   | 2021388041 | TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)   |
|            | MANUS BIO INC.   | 2021388045 | IDENTIGEN LIMITED  |
| 2021386386 | MANUS BIO INC.   | 2021388062 | SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION  |
| 2021386388 | GENTEX CORPORATION   |            |  |
| 2021386395 | MAREL MEAT B.V.  | 2021388074 | MONASH UNIVERSITY  |
| 2021386419 | TRUMER SCHUTZBAUTEN GES.M.B.H  | 2021388087 | ELYSIS LIMITED PARTNERSHIP   |
| 2021386429 | BRAIN CORP SA  | 2021388141 | AISA PHARMA, INC.  |
| 2021386438 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.   | 2021388154 | FLAGSHIP PIONEERING, INC.  |
|            | TRUMA GERÄTETECHNIK GMBH & CO. KG  | 2021388171 | HEPION PHARMACEUTICALS, INC.   |
| 2021386447 | TRUMA GERÄTETECHNIK GMBH & CO. KG  | 2021388449 | PETROLIAM NASIONAL BERHAD (PETRONAS)   |
| 2021386448 | ROQUETTE FRERES  | 2021388643 | CSPC MEGALITH BIOPHARMACEUTICAL CO., LTD.  |
| 2021386464 | TECHNOLOGICAL RESOURCES PTY. LIMITED   | 2021388650 | SUNSHINE LAKE PHARMA CO., LTD.   |
| 2021386467 | CURBCYCLE PTY LTD  | 2021388708 | IFP ENERGIES NOUVELLES   |
| 2021386476 | ELYSIS LIMITED PARTNERSHIP   | 2021388768 | IFP ENERGIES NOUVELLES   |
| 2021386487 | PATRIA LAND OY   | 2021388783 | NANOFORM FINLAND PLC   |
| 2021386507 | CANCER RESEARCH TECHNOLOGY LIMITED   | 2021388786 | XYLEM EUROPE GMBH  |
| 2021386517 | MICROBIOSENSOR LIMITED   | 2021388798 | KATHOLIEKE UNIVERSITEIT LEUVEN   |
| 2021386550 | IFP ENERGIES NOUVELLES   | 2021388862 | SYNGENTA CROP PROTECTION AG  |
| 2021386599 | GRIPPLE LIMITED  | 2021388877 | TRUMER SCHUTZBAUTEN GES.M.B.H  |
| 2021386606 | YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.                         | 2021388886 | DALMINE S.P.A.   |
|            | THE HEBREW UNIVERSITY OF JERUSALEM LTD.  | 2021388896 | FRONIUS INTERNATIONAL GMBH   |
| 2021386626 | BASF SE  | 2021388926 | SAPPHIRE BALCONIES LIMITED   |
| 2021386627 | KATHOLIEKE UNIVERSITEIT LEUVEN   | 2021388956 | HAWKER SIDDELEY SWITCHGEAR LIMITED   |
| 2021386713 | SUMITOMO MITSUI CONSTRUCTION CO., LTD.   | 2021388962 | THREE G METAL FABRICATIONS LTD   |
| 2021386717 | HITACHI INDUSTRIAL PRODUCTS, LTD.  | 2021388979 | SWISS WOOD SOLUTIONS AG  |
| 2021386775 | MYDL   | 2021388980 | BRAIN CORP SA  |
| 2021386780 | ORGANOX LIMITED  | 2021389014 | UNIVERSITY OF DUNDEE   |
| 2021386812 | ZHEJIANG HUODE BIOENGINEERING COMPANY  | 2021389057 | GENIUS WATTER S.R.L.   |
| 2021386876 | FORM 700 PTY LTD   | 2021389070 | RAWLINSON DAVIS, G.; BALDESSARI, J.  |
| 2021386878 | TECHNOLOGICAL RESOURCES PTY. LIMITED   | 2021389071 | UPL LIMITED  |
| 2021386892 | THE HOSPITAL FOR SICK CHILDREN   | 2021389080 | NEGATIVE EMISSIONS MATERIALS, INC.   |
| 2021386895 | GENOMIC VISION   | 2021389137 | ELTA SYSTEMS LTD.  |
| 2021386899 | D&D PHARMATECH INC.  | 2021389138 | U.B.Q MATERIALS LTD.   |
| 2021386914 | NHOA ENERGY S.R.L.   | 2021389409 | ASAHI KASEI PHARMA CORPORATION   |
| 2021386918 | ENI S.P.A.   | 2021389671 | MONASH UNIVERSITY  |
| 2021387019 | ONEKA TECHNOLOGIES   | 2021389680 | ENERKEM INC.   |
| 2021387127 | ONO PHARMACEUTICAL CO., LTD.; TOHOKU UNIVERSITY  | 2021389909 | SHANGHAI GENBASE BIOTECHNOLOGY CO., LTD.   |
|            | ONO PHARMACEUTICAL CO., LTD.; TOHOKU UNIVERSITY  | 2021390006 | NUOVO PIGNONE TECNOLOGIE - S.R.L.  |
| 2021387319 | WON KWANG S&T CO.,LTD.   | 2021390014 | UNIVERSITEIT MAASTRICHT; ACADEMISCH ZIEKENHUIS MAASTRICHT; TECHNISCHE UNIVERSITEIT EINDHOVEN |
| 2021387426 | GC KWOME CORPORATION; AIMA CO.,LTD.  |            |  |
| 2021387518 | CJ CHEILJEDANG CORPORATION   |            |  |
| 2021387528 | HYBRIT DEVELOPMENT AB  |            |  |
| 2021387573 | REZUBIO PHARMACEUTICALS CO., LTD   |            |  |

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| 2021390034 | UNIVERSITY OF SOUTHAMPTON  | 2021391899 | HITACHI RAIL STS S.P.A.   |
| 2021390035 | PROTECHNA S.A.   | 2021391924 | VISTERRA, INC.; THE GENERAL HOSPITAL CORPORATION                    |
| 2021390125 | JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. | 2021391930 | BIOLINQ INCORPORATED  |
| 2021390139 | BODUS GMBH   | 2021391968 | DELTA 4 GMBH  |
| 2021390172 | ALBIREO AB   | 2021391975 | ELISA OYJ   |
| 2021390189 | THE NEW ZEALAND INSTITUTE FOR PLANT AND FOOD RESEARCH LIMITED                        | 2021391995 | CONVATEC LIMITED  |
| 2021390194 | IDEAYA BIOSCIENCES, INC.; GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.4) LIMITED       | 2021392032 | CENTURY THERAPEUTICS, INC.  |
| 2021390209 | NOVARTIS AG  | 2021392304 | JANNACH, H.   |
| 2021390456 | ENVOY MEDICAL CORPORATION  | 2021392305 | RESMED PTY LTD  |
| 2021390457 | O2 PARTNERS, LLC   | 2021392308 | CSL INNOVATION PTY LTD  |
| 2021390480 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                                       | 2021392478 | ASAHI KASEI MEDICAL CO., LTD.                                       |
| 2021390484 | BOSTON SCIENTIFIC SCIMED, INC.   | 2021392585 | SIMPLEBET, INC.   |
| 2021390487 | BECTON, DICKINSON AND COMPANY  | 2021392609 | VALMONT INDUSTRIES, INC.  |
| 2021390490 | U.S. BORAX INC.  | 2021392630 | GENENTECH, INC.   |
| 2021390491 | PRESIDENT AND FELLOWS OF HARVARD COLLEGE; MASSACHUSETTS INSTITUTE OF TECHNOLOGY      | 2021392638 | AMGEN INC.  |
| 2021390502 | ANTECIP BIOVENTURES II LLC   | 2021392642 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                      |
| 2021390534 | BLUEPRINT MEDICINES CORPORATION  | 2021392646 | THE BRIGHAM AND WOMEN'S HOSPITAL, INC.                              |
| 2021390543 | MYDECINE INNOVATIONS GROUP INC.  | 2021392648 | BP CORPORATION NORTH AMERICA INC.                                   |
| 2021390547 | BARD ACCESS SYSTEMS, INC.  | 2021392649 | LEER GROUP  |
| 2021390549 | SHUTTERSTOCK, INC.   | 2021392655 | THE JOHNS HOPKINS UNIVERSITY  |
| 2021390550 | QIAGEN SCIENCES LLC  | 2021392700 | CHENGDU EASTON BIOPHARMACEUTICALS CO., LTD.                         |
| 2021390561 | GENNAO BIO, INC.; YALE UNIVERSITY; QUIJANO, E.; GLAZER, P.; TURNER, B.; SQUINTO, S.  | 2021392708 | JANSSEN BIOTECH, INC.; NANJING LEGEND BIOTECH CO., LTD.             |
| 2021390569 | MOTOROLA SOLUTIONS, INC.   | 2021392719 | SCRIBE THERAPEUTICS INC.  |
| 2021390578 | CONOCOPHILLIPS COMPANY   | 2021392726 | REGENERON PHARMACEUTICALS, INC.                                     |
| 2021390584 | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA                                       | 2021392816 | CALIX LTD   |
| 2021390715 | PXD LIMITED  | 2021392870 | FRIESLANDCAMPINA NEDERLAND B.V.                                     |
| 2021390722 | CANWELL (GZ) BIOTECH LIMITED   | 2021392981 | BÄUMER, S.; BÄUMER, N.; BERDEL, W.; LENZ, G.; WITTMANN, L.          |
| 2021390779 | BASF SE; ECOLAB USA INC  | 2021393076 | GENOMICS PLC  |
| 2021390802 | HRG WELL SOLUTIONS LIMITED   | 2021393079 | CONVATEC LIMITED  |
| 2021391031 | INTERNATIONAL BUSINESS MACHINES CORPORATION  | 2021393332 | PROTIX B.V.   |
| 2021391054 | SHANGHAI HENLIUS BIOTECH, INC.   | 2021393370 | COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION        |
| 2021391071 | DAVIES, I.   | 2021393378 | HENDRICKSON USA, L.L.C.   |
| 2021391294 | NELSON IRRIGATION CORPORATION  | 2021393408 | BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.     |
| 2021391313 | EZ-FLO INJECTION SYSTEMS, INC.   | 2021393418 | HVRT CORP.  |
| 2021391396 | ENVOY MEDICAL CORPORATION  | 2021393433 | APPLIED MEDICAL RESOURCES CORPORATION                               |
| 2021391403 | GOOGLE LLC   | 2021393434 | SHANGHAI CELLULAR BIOPHARMACEUTICAL GROUP LTD.                      |
| 2021391408 | ENCORE MEDICAL, L.P. DBA DJO SURGICAL  | 2021393449 | GRAPHIC PACKAGING INTERNATIONAL, LLC                                |
| 2021391424 | TECHTRONIC CORDLESS GP   | 2021393463 | BARD ACCESS SYSTEMS, INC.   |
| 2021391432 | BAYER HEALTHCARE LLC   | 2021393516 | BASF CORPORATION  |
| 2021391433 | AKOUOS, INC.   | 2021393562 | ZINUS INC.  |
| 2021391438 | ARRIS ENTERPRISES LLC  | 2021393601 | ZHEJIANG DAHUA TECHNOLOGY CO., LTD.                                 |
| 2021391491 | BAYER AKTIENGESELLSCHAFT   | 2021393650 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.                |
| 2021391502 | SONOCRETE GMBH   | 2021393736 | SAMPLIX APS   |
| 2021391506 | AKRAPOVIC D.D.   | 2021393753 | ENYO PHARMA   |
| 2021391537 | U.S. BORAX INC.  | 2021393770 | EISBACH BIO GMBH  |
| 2021391547 | MONSANTO TECHNOLOGY LLC  | 2021393771 | AMADEUS S.A.S.  |
| 2021391551 | OCADO INNOVATION LIMITED   | 2021393786 | DELTA 4 GMBH  |
| 2021391670 | COLGATE-PALMOLIVE COMPANY  | 2021393789 | UNIVERSITÄT ZÜRICH  |
| 2021391715 | ABX ADVANCED BIOCHEMICAL COMPOUNDS - BIOMEDIZINISCHE FORSCHUNGSREAGENZIEEN GMBH      | 2021393812 | GENOMICS PLC  |
| 2021391718 | CARGILL, INCORPORATED  | 2021393902 | SCHREDER ILUMINAÇÃO SA  |
| 2021391719 | EPIGENETICA LIMITED  | 2021393904 | SCHREDER ILUMINAÇÃO SA  |
| 2021391739 | SAINT-GOBAIN WEBER FRANCE; SAINT-GOBAIN PLACO  | 2021393908 | GENMAB A/S; BIONTECH SE   |
| 2021391745 | ETIENNE LACROIX TOUS ARTIFICES S.A.  | 2021393980 | SYMRISE AG  |
| 2021391752 | NICOVENTURES TRADING LIMITED   | 2021393982 | FERRING B.V.  |
| 2021391771 | THE TORO COMPANY   | 2021393987 | BAYER AKTIENGESELLSCHAFT  |
| 2021391783 | SCRIBE THERAPEUTICS INC.   | 2021393988 | BAYER AKTIENGESELLSCHAFT  |
| 2021391799 | PEGAPOD LLC  | 2021394066 | ASTA ENERGY TRANSMISSION COMPONENTS GMBH                            |
| 2021391800 | ANNEXON, INC.  | 2021394117 | PERRON INSTITUTE FOR NEUROLOGICAL AND TRANSLATIONAL SCIENCE LIMITED |
| 2021391801 | CASE WESTERN RESERVE UNIVERSITY  | 2021394390 | TRIASTEK, INC.  |
| 2021391840 | CUTISS AG  | 2021394454 | KOALA SLEEP PTY. LTD.   |
| 2021391867 | UNIVERSITÉ CATHOLIQUE DE LOUVAIN   |            |   |

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| 2021394573 | INTERNATIONAL BUSINESS MACHINES CORPORATION                                 | 2021399228 | ALCON INC.  |
| 2021394587 | BÜHLER AG   | 2021399313 | ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.         |
| 2021394819 | IBMSOL CO., LTD.  | 2021399798 | MEDELA HOLDING AG   |
| 2021394878 | SCRIBE THERAPEUTICS INC.  | 2021399848 | SCHREDER S.A.   |
| 2021394979 | BRAY INTERNATIONAL, INC.  | 2021399879 | CSL INNOVATION PTY LTD                                    |
| 2021395004 | ABBOTT DIABETES CARE INC.   | 2021399881 | SCHENCK PROCESS AUSTRALIA PTY LIMITED                     |
| 2021395027 | TRIANNI, INC.   | 2021399883 | RAPID POWER INDUSTRIES                                    |
| 2021395061 | BEIJING IMMUNOCHINA PHARMACEUTICALS CO., LTD; BEIJING YIMIAOYILIAO CO., LTD | 2021399910 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.           |
| 2021395109 | UNIFRAX I LLC   | 2021400130 | ALCON INC.  |
| 2021395112 | SUMITOMO PHARMA ONCOLOGY, INC.  | 2021400142 | ALPHA TAU MEDICAL LTD.                                    |
| 2021395126 | SUNRESIN NEW MATERIALS CO. LTD.   | 2021400284 | BICARA THERAPEUTICS INC.                                  |
| 2021395127 | HUAWEI TECHNOLOGIES CO., LTD.   | 2021400322 | ZOETIS SERVICES LLC                                       |
| 2021395241 | TOTIENT, INC.   | 2021400331 | BARD ACCESS SYSTEMS, INC.                                 |
| 2021395405 | GANYMED ROBOTICS  | 2021400335 | INCARDA THERAPEUTICS, INC.                                |
| 2021395432 | THE INSTITUTE OF CANCER RESEARCH; BREAST CANCER NOW                         | 2021400427 | ARKEMA FRANCE   |
| 2021395439 | LAVA THERAPEUTICS N.V.  | 2021400488 | REGENERON PHARMACEUTICALS, INC.                           |
| 2021395445 | RITNIFJELL INNOVATIONS OY   | 2021400588 | ABBOTT DIABETES CARE INC.                                 |
| 2021395477 | INTERVET INTERNATIONAL B.V.   | 2021400659 | BECTON, DICKINSON AND COMPANY                             |
| 2021395751 | FRIESLANDCAMPINA NEDERLAND B.V.   | 2021400809 | MERCK SHARP & DOHME LLC                                   |
| 2021395923 | PANPAC ENGINEERING A/S  | 2021400816 | ELI LILLY AND COMPANY                                     |
| 2021396030 | HOLCIM TECHNOLOGY LTD   | 2021400828 | ILLUMINA, INC.  |
| 2021396103 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA                                 | 2021400865 | HUSQVARNA AB  |
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| 2021396319 | TMRW LIFE SCIENCES, INC.  | 2021400988 | WEATHERFORD TECHNOLOGY HOLDINGS, LLC                      |
| 2021396332 | PURDUE RESEARCH FOUNDATION  | 2021401052 | CENTURY THERAPEUTICS, INC.                                |
| 2021396380 | COGNITION THERAPEUTICS, INC.  | 2021401069 | STRONG FORCE TX PORTFOLIO 2018, LLC                       |
| 2021396419 | GENTEX CORPORATION  | 2021401076 | SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV             |
| 2021396535 | MANKIND CORPORATION   | 2021401080 | MARS, INCORPORATED  |
| 2021396560 | UNIVERSIDAD DE GRANADA  | 2021401165 | MAREL RED MEAT B.V.                                       |
| 2021396569 | YNSECT  | 2021401209 | HUSQVARNA AB  |
| 2021396582 | BAE SYSTEMS PLC   | 2021401213 | HUSQVARNA AB  |
| 2021396585 | ARTELO BIOSCIENCES LIMITED  | 2021401232 | MIRATI THERAPEUTICS, INC.                                 |
| 2021396641 | EPITOME MEDICAL LTD.  | 2021401279 | ARKEMA FRANCE   |
| 2021396784 | SEKISUI HOUSE, LTD.   | 2021401294 | NORTHROP GRUMMAN SYSTEMS CORPORATION                      |
| 2021396871 | ONEPASS MEDICAL LTD.  | 2021401421 | ANTHOS THERAPEUTICS, INC.                                 |
| 2021397077 | IBMSOL CO., LTD.  | 2021401426 | TRUSTEES OF TUFTS COLLEGE                                 |
| 2021397180 | ZEBRA TECHNOLOGIES CORPORATION  | 2021401430 | ABBOTT DIABETES CARE INC.                                 |
| 2021397247 | PLUTON BIOSCIENCES, INC.  | 2021401561 | BECTON, DICKINSON AND COMPANY                             |
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| 2021398915 | INTERNATIONAL BUSINESS MACHINES CORPORATION                                 | 2021402785 | WUHAN RESEARCH INSTITUTE OF MATERIALS PROTECTION          |
| 2021399009 | SYNGENTA CROP PROTECTION AG   | 2021402921 | ITRON, INC.   |
| 2021399011 | DUPONT NUTRITION BIOSCIENCES APS  | 2021403084 | NORTHROP GRUMMAN SYSTEMS CORPORATION                      |
| 2021399012 | DUPONT NUTRITION BIOSCIENCES APS  | 2021403085 | NORTHROP GRUMMAN SYSTEMS CORPORATION                      |
| 2021399019 | KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG                                 | 2021403102 | BOSTON SCIENTIFIC SCIMED INC                              |
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| 2021403807 | ALCON INC.  | 2021412295 | BÜHLER AG   |
| 2021403860 | GIVAUDAN SA   | 2021412298 | REC SOLAR PTE. LTD.   |
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| 2021404024 | ALCON INC.  | 2021412785 | LAKE O'HARA LLC   |
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| 2021405307 | DAIKYO SEIKO, LTD.  | 2021415098 | TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)                                      |
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| 2021405712 | RADIOMETER MEDICAL APS  | 2021415463 | ABBOTT DIABETES CARE INC.   |
| 2021405718 | CHARITÉ - UNIVERSITÄTSMEDIZIN BERLIN  | 2021415703 | CHINT NEW ENERGY TECHNOLOGY CO., LTD.                                       |
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| 2021407344 | HOLCIM TECHNOLOGY LTD   | 2021418720 | RAYTHEON COMPANY  |
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| 2021408923 | RAZER (ASIA-PACIFIC) PTE. LTD.  | 2021427194 | HALLIBURTON ENERGY SERVICES, INC.   |
| 2021408943 | ISHIHARA SANGYO KAISHA, LTD.  | 2021427966 | IHI CORPORATION   |
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| 2021409135 | AMERICAN SUPERCONDUCTOR CORPORATION   | 2021428797 | IHI CORPORATION   |
| 2021409236 | EDWARDS LIFESCIENCES CORPORATION  | 2021429041 | IHI CORPORATION   |
| 2021409245 | ITRON GLOBAL SARL   | 2021431583 | CHINT NEW ENERGY TECHNOLOGY CO., LTD.                                       |
| 2021409471 | TIMRW LIFE SCIENCES, INC.   | 2021435434 | HANGZHOU UNITED TOOLS CO., LTD.; HANGZHOU GREAT STAR INDUSTRIAL CO., LTD.   |
| 2021409665 | GRAPHIC PACKAGING INTERNATIONAL, LLC  | 2021436144 | NORTON, D.P.; NORTON, K.L.  |
| 2021409723 | INTEGRATED DNA TECHNOLOGIES, INC.   | 2021439678 | CHINA UNIVERSITY OF MINING AND TECHNOLOGY                                   |
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| 2022206456 | AIRMID CRITICAL CARE PRODUCTS, INC.   |
| 2022206607 | NIPPON STEEL CORPORATION  |
| 2022207060 | HENDRICKSON USA, L.L.C.   |
| 2022207103 | LORIA PHARMACEUTICAL, LLC   |
| 2022207454 | R.P. SCHERER TECHNOLOGIES, LLC  |
| 2022207503 | PURDUE RESEARCH FOUNDATION; RAYTHEON<br>BBN TECHNOLOGIES, CORP.   |
| 2022207504 | PURDUE RESEARCH FOUNDATION; RAYTHEON<br>BBN TECHNOLOGIES, CORP.   |
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| 2022207750 | ALCON INC.  |
| 2022207858 | CELLATOZ THERAPEUTICS, INC.   |
| 2022208327 | F. HOFFMANN-LA ROCHE AG; GENENTECH, INC.  |
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| 2022209180 | PERKINELMER U.S. LLC  |
| 2022210417 | DEEP ISOLATION, INC.  |
| 2022211357 | PUREWICK CORPORATION  |
| 2022212114 | SURGE THERAPEUTICS, INC.  |
| 2022212761 | COOPERVISION INTERNATIONAL LIMITED  |
| 2022214501 | CUROGEN TECHNOLOGY CO., LTD.; RESEARCH<br># BUSINESS FOUNDATION SUNGKYUNKWAN UNI-<br>VERSITY                              |
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| 2022215884 | SERVEI DE SALUT DE LES ILLES BALEARS - IB-<br>SALUT; FUNDACIÓ INSTITUT D'INVESTIGACIÓ<br>SANITÀRIA ILLES BALEARS - IDISBA |
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| 2022219922 | OBI PHARMA, INC.  |
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| 2022233921 | KUMIAI CHEMICAL INDUSTRY CO., LTD.  |
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| 2022283709 | Hanwha Corporation  |
| 2022283710 | Hanwha Corporation  |
| 2022298468 | PRESIDENT AND FELLOWS OF HARVARD COL-<br>LEGE; QUINO ENERGY, INC.   |
| 2022314007 | LIER CHEMICAL CO., LTD.   |
| 2022316399 | LIER CHEMICAL CO., LTD.   |
| 2022327802 | BRY AIR [ASIA] PVT. LTD.  |
| 2022331907 | EUROSPARES DEPOT HOLDINGS PTY LTD   |
| 2022353321 | STATE GRID SHANXI ELECTRIC POWER RE-<br>SEARCH INSTITUTE  |
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| 2021381870       | <b>A61B 1/-</b>  | 2021381957       | 2021366372      | 2021412880        | 2021383227 |
| 2021382014       | 2021366293       | 2021382673       | 2021366614      |                   | 2021383303 |
|                  | 2021380075       | 2021386517       | 2021368792      | <b>A61K 101/-</b> | 2021383322 |
| <b>A47C 16/-</b> | 2021380099       | 2021387667       | 2021372247      |                   | 2021383325 |
| 2021382801       | 2021381989       | 2021390456       | 2021372730      | 2021400944        | 2021383832 |
|                  |                  | 2021391930       | 2021373636      |                   | 2021383928 |
| <b>A47C 20/-</b> | <b>A61B 10/-</b> | 2021392646       | 2021375078      | <b>A61K 31/-</b>  | 2021384002 |
| 2021382801       | 2022205060       | 2021395004       | 2021386245      | 2020472970        | 2021384158 |
|                  |                  | 2021400588       | 2021390484      | 2020477113        | 2021384582 |
| <b>A47C 23/-</b> | <b>A61B 17/-</b> | 2021401430       | 2021391408      | 2021271338        | 2021385486 |
| 2021393562       | 2021360292       | 2021405712       | 2021397684      | 2021273384        | 2021385572 |
|                  | 2021364311       | 2021410757       | 2021397743      | 2021360121        | 2021386149 |
| <b>A47C 27/-</b> | 2021364390       | 2021415463       | 2021404024      | 2021360501        | 2021386507 |
| 2021366392       | 2021366438       | 2021419211       | 2021409236      | 2021363267        | 2021386606 |
| 2021393562       | 2021366614       | <b>A61B 50/-</b> | 2021413348      | 2021363616        | 2021386627 |
|                  | 2021368792       | 2021369663       | 2022205382      | 2021363703        | 2021387573 |
| <b>A47C 31/-</b> | 2021371085       | 2021372730       | 2022207750      | 2021364255        | 2021387733 |
| 2021366392       | 2021372730       | 2021381747       | <b>A61F 5/-</b> | 2021364302        | 2021388141 |
|                  | 2021373380       | 2021397077       | 2021379935      | 2021366217        | 2021388643 |
| <b>A47D 9/-</b>  | 2021376224       | <b>A61B 6/-</b>  | 2021382801      | 2021366223        | 2021388798 |
| 2021382111       | 2021378811       | 2021372717       | 2021396641      | 2021366303        | 2021389409 |
|                  | 2021382003       | 2021381323       | 2021397684      | 2021367089        | 2021390172 |
| <b>A47G 19/-</b> | 2021385089       | 2021397309       | 2022211357      | 2021367147        | 2021390194 |
| 2020478809       | 2021390547       | <b>A61B 8/-</b>  | <b>A61F 7/-</b> | 2021367592        | 2021390209 |
|                  | 2021393433       | 2021369585       | 2021368138      | 2021367820        | 2021390502 |
| <b>A47G 21/-</b> | 2021395405       | 2021373590       | 2021368648      | 2021368138        | 2021390543 |
| 2020478809       | 2021399019       | 2021375454       | 2021368859      | 2021368648        | 2021390561 |
|                  | 2021400987       | 2021382306       | 2021369566      | 2021368859        | 2021391783 |
| <b>A47G 23/-</b> | 2021403807       | 2021385089       | 2021369590      | 2021369566        | 2021391968 |
| 2020478809       | 2022215884       | 2021394819       | 2021370991      | 2021370991        | 2021392700 |
|                  | <b>A61B 18/-</b> | 2021397077       | 2021371697      | 2021371697        | 2021392870 |
| <b>A47G 29/-</b> | 2020475251       | <b>A61B 90/-</b> | 2021372512      | 2021372512        | 2021392981 |
| 2021386111       | 2021369836       | 2021372730       | 2021372968      | 2021372968        | 2021393753 |
|                  | 2021373380       | 2021382306       | 2021373335      | 2021373335        | 2021393770 |
| <b>A47J 27/-</b> | 2021388028       | 2021387822       | 2021376205      | 2021376205        | 2021393786 |
| 2021387991       | 2021396871       | 2021392646       | 2021376286      | 2021376286        | 2021393789 |
|                  | 2021402258       | 2021400987       | 2021376300      | 2021376300        | 2021393908 |
| <b>A47J 31/-</b> | <b>A61B 3/-</b>  | <b>A61C 13/-</b> | 2021376354      | 2021376354        | 2021393987 |
| 2021382154       | 2021399228       | 2021369836       | 2021376415      | 2021376415        | 2021393988 |
|                  |                  | <b>A61C 19/-</b> | 2021376500      | 2021376500        | 2021394390 |
| <b>A47J 36/-</b> | <b>A61B 34/-</b> | 2021369836       | 2021377717      | 2021377717        | 2021395112 |
| 2021386384       | 2021369585       | <b>A61C 8/-</b>  | 2021377880      | 2021377880        | 2021395477 |
| 2021387991       | 2021376224       | 2021373463       | 2021377893      | 2021377893        | 2021396231 |
| 2021395445       | 2021381747       | <b>A61C 9/-</b>  | 2021378152      | 2021378152        | 2021396308 |
|                  | 2021382306       | 2021369836       | 2021378320      | 2021378320        | 2021396380 |
| <b>A47J 37/-</b> | 2021383765       | <b>A61F 13/-</b> | 2021379248      | 2021379248        | 2021396535 |
| 2021387991       | 2021395405       | 2020474489       | 2021380319      | 2021380319        | 2021396560 |
|                  |                  | 2021359181       | 2021380754      | 2021380754        | 2021396585 |
| <b>A47K 3/-</b>  | <b>A61B 42/-</b> | 2021369315       | 2021380836      | 2021380836        | 2021397737 |
| 2021372731       | 2021397703       | 2021382801       | 2021380914      | 2021380914        | 2021398486 |
| 2021395445       | <b>A61B 46/-</b> | 2021387822       | 2021380963      | 2021380963        | 2021398540 |
|                  | 2021397077       | <b>A61F 13/-</b> | 2021381012      | 2021381012        | 2021399050 |
| <b>A47K 3/-</b>  | <b>A61B 5/-</b>  | 2020474489       | 2021381396      | 2021381396        | 2021400335 |
| 2021380992       | 2021363748       | 2021359181       | 2021381437      | 2021381437        | 2021400488 |
|                  | 2021369836       | 2021369315       | 2021381491      | 2021381491        | 2021401232 |
| <b>A47L 11/-</b> | 2021370372       | 2021382801       | 2021381995      | 2021381995        | 2021401580 |
| 2021391424       | 2021375500       | 2021387822       | 2021381509      | 2021381509        | 2021401681 |
|                  | 2021376242       | <b>A61F 2/-</b>  | 2021382046      | 2021382046        | 2021404953 |
| <b>A47L 13/-</b> | 2021379935       | 2020473550       | 2021382360      | 2021382360        | 2021405008 |
| 2021417861       |                  |                  | 2021382590      | 2021382590        | 2021405019 |
|                  |                  |                  | 2021382606      | 2021382606        | 2021405511 |
|                  |                  |                  | 2021382621      | 2021382621        | 2021405712 |
|                  |                  |                  | 2021382654      | 2021382654        | 2021406035 |
|                  |                  |                  | 2021382668      | 2021382668        | 2021408085 |
|                  |                  |                  | 2021382769      | 2021382769        | 2021408684 |
|                  |                  |                  | 2021382843      | 2021382843        | 2021412688 |
|                  |                  |                  | 2021382883      | 2021382883        | 2021412785 |
|                  |                  |                  | 2021382939      | 2021382939        | 2021414122 |
|                  |                  |                  |                 |                   | 2021414237 |
|                  |                  |                  |                 |                   | 2021417405 |
|                  |                  |                  |                 |                   | 2021421147 |

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|                          |                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2022206323               | 2021379816               | 2021385551               | 2021376131               | <b><u>A61K 6 /-</u></b>  | 2021364998               |
| 2022207454               | 2021381360               | 2021385555               | 2021376390               |                          | 2021368778               |
| 2022207550               | 2021381384               | 2021385582               | 2021377224               | 2021372118               | 2021372730               |
| 2022227183               | 2021382599               | 2021385871               | 2021378152               | 2021373463               | 2021376932               |
| <b><u>A61K 33 /-</u></b> | 2021382843               | 2021387127               | 2021379015               |                          | 2021394819               |
|                          | 2021382939               | 2021387998               | 2021379770               | <b><u>A61K 8 /-</u></b>  | <b><u>A61L 27 /-</u></b> |
| 2021361746               | 2021383830               | 2021388650               | 2021379816               | 2020475267               |                          |
| 2021374754               | 2021383950               | 2021389014               | 2021380914               | 2020480521               | 2021367435               |
| 2021382939               | 2021385049               | 2021389909               | 2021382599               | 2021369462               | 2021372119               |
| 2021391670               | 2021385222               | 2021390125               | 2021383303               | 2021371794               | 2021373463               |
| <b><u>A61K 35 /-</u></b> | 2021386899               | 2021390722               | 2021383950               | 2021377717               | 2021385611               |
|                          | 2021387998               | 2021391054               | 2021385222               | 2021381473               | 2021387812               |
| 2021360406               | 2021388171               | 2021391800               | 2021385349               | 2021382842               | 2021388154               |
| 2021366504               | 2021388643               | 2021392308               | 2021385551               | 2021383473               | 2021407693               |
| 2021367435               | 2021390491               | 2021392630               | 2021385572               | 2021383949               | 2022205588               |
| 2021369494               | 2021391924               | 2021392655               | 2021385609               | 2021391670               |                          |
| 2021370954               | 2021392726               | 2021393908               | 2021386367               | 2021393980               | <b><u>A61L 31 /-</u></b> |
| 2021372270               | 2021393982               | 2021399879               | 2021386892               | 2022207103               |                          |
| 2021373326               | 2021400284               | 2021400284               | 2021386899               |                          | 2020475491               |
| 2021376208               | 2021400816               | 2021401052               | 2021387127               | <b><u>A61K 9 /-</u></b>  | 2021373463               |
| 2021376354               | 2021401635               | 2021402072               | 2021388021               |                          | 2021400142               |
| 2021377272               | 2021402687               | 2021408085               | 2021388643               | 2021359181               | <b><u>A61L 9 /-</u></b>  |
| 2021378306               | 2021405008               | 2021410043               | 2021392981               | 2021360121               |                          |
| 2021378325               | 2021405019               | 2021413526               | 2021396535               | 2021364255               | 2021322314               |
| 2021379584               | 2021409801               | 2021416156               | 2021397776               | 2021367917               | 2021360257               |
| 2021379987               | 2021414237               | 2022206323               | 2021399879               | 2021368099               |                          |
| 2021381364               | 2021416156               | 2022212114               | 2021401426               | 2021368648               | <b><u>A61M 1 /-</u></b>  |
| 2021385434               | 2021423930               | <b><u>A61K 41 /-</u></b> | 2021401635               | 2021368859               |                          |
| 2021386370               | 2022204125               |                          | 2021403118               | 2021369849               | 2021364998               |
| 2021388154               | 2022214501               | 2021361746               | 2021405049               | 2021370904               | 2021366293               |
| 2021389909               | <b><u>A61K 39 /-</u></b> | 2021374754               | 2021405712               | 2021370954               | 2021371184               |
| 2021390491               |                          | <b><u>A61K 45 /-</u></b> | 2021406283               | 2021372725               | 2021378950               |
| 2021392708               | 2021361746               |                          | 2021406284               | 2021372968               | 2021379615               |
| 2021393434               | 2021362007               | 2021367820               | 2021410080               | 2021376131               | 2021382003               |
| 2021397247               | 2021364852               | 2021373781               | 2021423930               | 2021378320               | 2021386517               |
| 2021399011               | 2021367018               | 2021376205               | 2022204125               | 2021379584               | 2021387822               |
| 2021399012               | 2021367592               | 2021380754               | 2022207454               | 2021380754               | 2021399798               |
| 2021405718               | 2021367878               | 2021380836               | 2022207550               | 2021380914               | 2021403807               |
| 2021409801               | 2021367917               | 2021380914               | <b><u>A61K 48 /-</u></b> | 2021381376               | 2021404039               |
| 2021410043               | 2021368780               | 2021380914               |                          | 2021381491               | 2021412880               |
| 2021413526               | 2021368780               | 2021381491               | 2021368859               | 2021382010               | <b><u>A61M 16 /-</u></b> |
| 2022207858               | 2021369450               | 2021382046               | 2021373368               | 2021382046               |                          |
| 2022219922               | 2021369590               | 2021382606               | 2021391433               | 2021382875               | 2021368614               |
| <b><u>A61K 36 /-</u></b> | 2021370222               | 2021382843               | 2021391783               | 2021383322               | 2021368861               |
|                          | 2021370991               | 2021382883               | 2021392642               | 2021383950               | 2021376441               |
| 2021374921               | 2021371709               | 2021383303               | 2021394117               | 2021384002               | 2021392305               |
| 2021377717               | 2021372454               | 2021384002               | 2021397776               | 2021385222               | 2021398588               |
| 2021391670               | 2021372463               | 2021385486               | 2021400488               | 2021386899               | 2022206456               |
| <b><u>A61K 38 /-</u></b> | 2021372815               | 2021385582               | 2021403118               | 2021391433               | <b><u>A61M 21 /-</u></b> |
|                          | 2021372988               | 2021388141               | 2021414237               | 2021394390               |                          |
| 2021360121               | 2021373781               | 2021388171               | <b><u>A61K 49 /-</u></b> | 2021396535               | 2021368080               |
| 2021364852               | 2021373880               | 2021388643               |                          | 2021396585               | 2021371161               |
| 2021365817               | 2021374649               | 2021389409               | 2021361848               | 2021399879               | <b><u>A61M 25 /-</u></b> |
| 2021367820               | 2021374754               | 2021390543               | 2021368859               | 2021400142               |                          |
| 2021369462               | 2021374803               | 2021391968               | 2021371794               | 2021403118               | 2021361730               |
| 2021370296               | 2021376208               | 2021393786               | 2021381768               | 2021405712               | 2021375500               |
| 2021370788               | 2021376354               | 2021396231               | 2021385609               | 2021416156               | 2021381272               |
| 2021370840               | 2021376364               | 2021398486               | <b><u>A61K 51 /-</u></b> | 2021417405               | 2021390487               |
| 2021371040               | 2021377210               | 2021401580               |                          | 2022204125               | 2021390547               |
| 2021371958               | 2021377224               | 2021401681               | 2021361746               | 2022205060               | 2021391995               |
| 2021372990               | 2021377614               | <b><u>A61K 47 /-</u></b> | 2021367592               | 2022207550               | 2021393079               |
| 2021372997               | 2021378152               |                          | 2021369744               |                          | 2021393463               |
| 2021373590               | 2021378575               | 2021360121               | 2021381376               | <b><u>A61L 15 /-</u></b> | 2021400331               |
| 2021373880               | 2021380287               | 2021361746               | 2021381768               | 2020474489               | 2021403102               |
| 2021376241               | 2021380755               | 2021362007               | 2021385486               |                          | 2022205382               |
| 2021376354               | 2021381360               | 2021364255               | 2021400142               | <b><u>A61L 2 /-</u></b>  |                          |
| 2021377224               | 2021381768               | 2021366341               | 2021400944               |                          | <b><u>A61M 27 /-</u></b> |
| 2021379015               | 2021381778               | 2021368099               |                          | 2021322314               |                          |
| 2021379584               | 2021382010               | 2021368859               |                          | 2021360121               | 2021387822               |
|                          | 2021382917               | 2021369849               |                          | 2021363638               |                          |
|                          | 2021383237               | 2021374958               |                          | 2021363748               |                          |



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|                          |                          |                          |                          |                          |                          |
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| 2021388171               | 2021384061               | <b><u>B01D 36 /-</u></b> | <b><u>B01J 19 /-</u></b> | 2021364539               |                          |
| 2021391783               |                          |                          |                          | 2021364540               | <b><u>B05B 15 /-</u></b> |
| 2021393988               | <b><u>A63B 22 /-</u></b> | 2021385271               | 2021364539               | 2021365806               | 2021372513               |
| 2021401421               |                          |                          | 2021369648               | 2021366390               |                          |
| 2021403118               | 2021363122               | <b><u>B01D 37 /-</u></b> | 2021383402               | 2021371932               | <b><u>B05B 3 /-</u></b>  |
|                          | 2021384061               |                          | 2021387019               | 2021378965               |                          |
| <b><u>A61P 9 /-</u></b>  |                          | 2021403434               |                          | 2021382048               | 2021391294               |
|                          | <b><u>A63B 23 /-</u></b> |                          | <b><u>B01J 2 /-</u></b>  | 2021383756               |                          |
| 2020477113               |                          | <b><u>B01D 46 /-</u></b> |                          | 2021386257               | <b><u>B05C 1 /-</u></b>  |
| 2021364302               | 2021363122               |                          | 2021376528               | 2021386380               |                          |
| 2021372848               | 2021384061               | 2021392305               | 2021388783               | 2021387755               | 2021369751               |
| 2021373781               |                          |                          |                          | 2021387802               |                          |
| 2021380754               | <b><u>A63B 24 /-</u></b> | <b><u>B01D 53 /-</u></b> | <b><u>B01J 20 /-</u></b> | 2021391801               | <b><u>B05C 17 /-</u></b> |
| 2021383830               |                          | 2020481660               | 2020474489               | 2021393736               |                          |
| 2021390125               | 2021363122               | 2021373306               | 2021379564               |                          | 2021369751               |
| 2021393987               | <b><u>A63B 55 /-</u></b> | 2021385056               | 2021385056               | <b><u>B01L 7 /-</u></b>  |                          |
| 2021393988               |                          | 2021385488               | 2021388708               |                          | <b><u>B05D 7 /-</u></b>  |
| 2021400488               | 2020478312               | 2021386918               |                          | 2021383626               | 2021394066               |
| 2021403606               |                          | 2021391867               | <b><u>B01J 23 /-</u></b> |                          |                          |
| 2021405511               | <b><u>A63B 63 /-</u></b> | 2021403601               |                          | <b><u>B01L 9 /-</u></b>  | <b><u>B07B 1 /-</u></b>  |
| 2021406035               |                          | 2022327802               | 2021385056               | 2021366390               | 2021382320               |
| 2021414237               | 2021368988               |                          | 2021386151               | 2021371932               | 2021399881               |
|                          | <b><u>A63B 71 /-</u></b> | <b><u>B01D 61 /-</u></b> | 2021386550               | 2021384064               |                          |
| <b><u>A61Q 11 /-</u></b> |                          |                          | 2021387713               | 2021386380               | <b><u>B07C 5 /-</u></b>  |
| 2020480521               | 2021368988               | 2021381439               | 2021388708               | 2021396319               |                          |
| 2021391670               |                          | 2021387019               |                          |                          | 2021380951               |
|                          | <b><u>A63F 9 /-</u></b>  | 2021389057               | <b><u>B01J 31 /-</u></b> | <b><u>B02C 13 /-</u></b> |                          |
| <b><u>A61Q 15 /-</u></b> |                          | 2021393516               |                          |                          | 2021380951               |
|                          | 2021393418               | 2021399910               | 2021385537               | 2021370570               | <b><u>B08B 9 /-</u></b>  |
| 2020480521               |                          | <b><u>B01D 63 /-</u></b> | <b><u>B01J 35 /-</u></b> | <b><u>B02C 17 /-</u></b> | 2021390139               |
| <b><u>A61Q 17 /-</u></b> | <b><u>B01D 1 /-</u></b>  |                          |                          |                          |                          |
|                          |                          | 2020481660               | 2021386151               | 2021382645               | <b><u>B09B 3 /-</u></b>  |
| 2021393980               | 2021382628               | 2021371184               | 2021386550               |                          | 2021359197               |
|                          | 2021388783               | 2021381439               | 2021387713               | <b><u>B02C 19 /-</u></b> | 2021369648               |
| <b><u>A61Q 19 /-</u></b> | <b><u>B01D 11 /-</u></b> | 2021391867               | 2021388708               |                          | 2021379564               |
|                          |                          | 2021392478               | 2021388768               | 2021381956               | 2021387319               |
| 2020475267               | 2021377717               |                          |                          |                          |                          |
| 2021365817               | <b><u>B01D 15 /-</u></b> | <b><u>B01D 65 /-</u></b> | <b><u>B01J 37 /-</u></b> | <b><u>B02C 2 /-</u></b>  | <b><u>B21B 19 /-</u></b> |
| 2021377717               |                          |                          |                          | 2021371515               |                          |
| 2021381473               |                          | 2021392478               | 2021369648               | 2021397398               | 2021388886               |
| 2021382842               | 2021372714               | 2021399910               | 2021385056               | 2021407524               |                          |
| 2021383473               | 2021395126               | <b><u>B01D 69 /-</u></b> | 2021386151               |                          | <b><u>B22D 18 /-</u></b> |
| 2021383949               | <b><u>B01D 17 /-</u></b> |                          | 2021386550               | <b><u>B02C 25 /-</u></b> | 2021383819               |
| 2022207103               |                          | 2021392478               | 2021387713               |                          |                          |
| <b><u>A62B 18 /-</u></b> | 2021399910               | <b><u>B01D 71 /-</u></b> | 2021388708               | 2021371515               | <b><u>B22D 19 /-</u></b> |
|                          | <b><u>B01D 19 /-</u></b> |                          | 2021388768               |                          |                          |
| 2021379136               |                          | 2021365135               | <b><u>B01J 39 /-</u></b> | <b><u>B03C 1 /-</u></b>  | 2021366957               |
| 2021379311               | 2021377198               | 2021392478               |                          | 2021377729               |                          |
| 2021408923               | 2022269010               |                          | 2021365135               | 2021387846               | <b><u>B22D 27 /-</u></b> |
|                          | 2022271313               | <b><u>B01D 9 /-</u></b>  | <b><u>B01J 4 /-</u></b>  | <b><u>B04B 15 /-</u></b> | 2021383819               |
| <b><u>A62B 9 /-</u></b>  |                          |                          |                          |                          |                          |
| 2021408923               | <b><u>B01D 21 /-</u></b> | 2021377727               | 2021361055               | 2020481660               | <b><u>B22D 7 /-</u></b>  |
|                          |                          | <b><u>B01F 25 /-</u></b> | <b><u>B01J 6 /-</u></b>  | <b><u>B04B 5 /-</u></b>  | 2021383819               |
| <b><u>A62C 3 /-</u></b>  | 2022224660               |                          |                          |                          |                          |
|                          | <b><u>B01D 25 /-</u></b> | 2021383402               | 2021392816               | 2020481660               | <b><u>B22F 10 /-</u></b> |
| 2021374973               |                          | <b><u>B01F 31 /-</u></b> | <b><u>B01J 8 /-</u></b>  | <b><u>B05B 1 /-</u></b>  | 2021363805               |
| <b><u>A62C 35 /-</u></b> | 2021403434               |                          |                          |                          |                          |
|                          | <b><u>B01D 29 /-</u></b> | 2021391502               | 2021369648               | 2021372513               | <b><u>B22F 3 /-</u></b>  |
| 2022219437               |                          | <b><u>B01F 33 /-</u></b> | 2021401076               | 2021391294               | 2021424317               |
| <b><u>A62C 37 /-</u></b> | 2021385271               |                          | 2021403617               |                          |                          |
|                          | 2021387720               | 2021391502               |                          | <b><u>B05B 11 /-</u></b> | <b><u>B23D 31 /-</u></b> |
| 2022219437               | 2021403434               | <b><u>B01J 13 /-</u></b> | <b><u>B01L 1 /-</u></b>  |                          |                          |
|                          | <b><u>B01D 35 /-</u></b> |                          |                          | 2021365774               | 2022283699               |
| <b><u>A63B 21 /-</u></b> |                          | 2021382875               | 2021361055               | 2021388036               |                          |
|                          | 2021385271               | 2021402234               | <b><u>B01L 3 /-</u></b>  | <b><u>B05B 12 /-</u></b> | <b><u>B23D 51 /-</u></b> |
| 2021361860               | 2021387720               |                          |                          |                          | 2021367766               |
| 2021363122               |                          |                          | 2021361055               | 2021372513               |                          |
| 2021369412               |                          |                          |                          |                          |                          |

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| <b><u>B23D 53 /-</u></b>                             | <b><u>B26D 3 /-</u></b>                | <b><u>B29C 64 /-</u></b>                             | <b><u>B33Y 80 /-</u></b>               | <b><u>B60T 7 /-</u></b>  | <b><u>B63B 32 /-</u></b>                             |
| 2021371895   | 2020473992<br>2021371895               | 2021377369<br>2021401069<br>2021401816               | 2021377369                             | 2022331907               | 2021389070   |
| <b><u>B23D 57 /-</u></b>                             | <b><u>B26D 7 /-</u></b>                | <b><u>B29C 65 /-</u></b>                             | <b><u>B41J 2 /-</u></b>                | <b><u>B61C 15 /-</u></b> | <b><u>B63B 39 /-</u></b>                             |
| 2021380759   | 2020473992                             | 2021412877   | 2021428773                             | 2020474272               | 2021371310   |
| <b><u>B23K 26 /-</u></b>                             | <b><u>B27B 17 /-</u></b>               | <b><u>B29C 70 /-</u></b>                             | <b><u>B42D 25 /-</u></b>               | <b><u>B61F 5 /-</u></b>  | <b><u>B63C 1 /-</u></b>                              |
| 2021371895<br>2021373322                             | 2021380759                             | 2021403916   | 2021397868                             | 2020475875               | 2021383941   |
| <b><u>B23P 19 /-</u></b>                             | <b><u>B27B 19 /-</u></b>               | <b><u>B30B 15 /-</u></b>                             | <b><u>B44C 5 /-</u></b>                | <b><u>B61K 9 /-</u></b>  | <b><u>B63C 9 /-</u></b>                              |
| 2021380040   | 2021367766                             | 2021388979   | 2021380091                             | 2020481554<br>2021378411 | 2020376974   |
| <b><u>B24B 23 /-</u></b>                             | <b><u>B27D 1 /-</u></b>                | <b><u>B30B 9 /-</u></b>                              | <b><u>B60B 35 /-</u></b>               | <b><u>B61L 15 /-</u></b> | <b><u>B63G 7 /-</u></b>                              |
| 2021367766   | 2021388979                             | 2022283699   | 2021393378                             | 2021391899               | 2021375080   |
| <b><u>B24B 49 /-</u></b>                             | <b><u>B27K 3 /-</u></b>                | <b><u>B31B 50 /-</u></b>                             | <b><u>B60G 7 /-</u></b>                | <b><u>B61L 25 /-</u></b> | <b><u>B63G 8 /-</u></b>                              |
| 2021401213<br>2021403139                             | 2021388979                             | 2021409665   | 2022207060                             | 2021371394               | 2021375080<br>2021382422                             |
| <b><u>B24B 7 /-</u></b>                              | <b><u>B27K 5 /-</u></b>                | <b><u>B32B 1 /-</u></b>                              | <b><u>B60H 1 /-</u></b>                | <b><u>B61L 27 /-</u></b> | <b><u>B63H 25 /-</u></b>                             |
| 2021400865<br>2021401209<br>2021401213<br>2021403139 | 2021388979                             | 2021373614   | 2021386447<br>2022229578               | 2021391899<br>2021397349 | 2021371310   |
| <b><u>B25B 29 /-</u></b>                             | <b><u>B27M 1 /-</u></b>                | <b><u>B32B 15 /-</u></b>                             | <b><u>B60J 7 /-</u></b>                | <b><u>B61L 29 /-</u></b> | <b><u>B63J 3 /-</u></b>                              |
| 2021380040   | 2021391502                             | 2021361055   | 2021392649                             | 2021391899               | 2021409135   |
| <b><u>B25D 17 /-</u></b>                             | <b><u>B28C 5 /-</u></b>                | <b><u>B32B 25 /-</u></b>                             | <b><u>B60K 1 /-</u></b>                | <b><u>B61L 3 /-</u></b>  | <b><u>B64C 21 /-</u></b>                             |
| 2021381293   | 2021391502                             | 2021373614   | 2021372783                             | 2021375837               | 2021403356   |
| <b><u>B25F 5 /-</u></b>                              | <b><u>B28C 7 /-</u></b>                | <b><u>B32B 27 /-</u></b>                             | <b><u>B60L 3 /-</u></b>                | <b><u>B61L 5 /-</u></b>  | <b><u>B64C 27 /-</u></b>                             |
| 2020476208<br>2021367766<br>2021370099               | 2021391502                             | 2021373614<br>2021380091<br>2021381735<br>2021384064 | 2021371394<br>2021375837               | 2021397349               | 2021378639   |
| <b><u>B25H 1 /-</u></b>                              | <b><u>B29B 15 /-</u></b>               | <b><u>B32B 3 /-</u></b>                              | <b><u>B60L 53 /-</u></b>               | <b><u>B62B 5 /-</u></b>  | <b><u>B64C 29 /-</u></b>                             |
| 2021435434   | 2021403916                             | 2021384064<br>2021396419                             | 2021373068<br>2021374982<br>2021401849 | 2021366326               | 2021378639   |
| <b><u>B25H 7 /-</u></b>                              | <b><u>B29B 17 /-</u></b>               | <b><u>B32B 5 /-</u></b>                              | <b><u>B60M 3 /-</u></b>                | <b><u>B62B 9 /-</u></b>  | <b><u>B64C 37 /-</u></b>                             |
| 2021363761   | 2021380951<br>2021382134<br>2021389138 | 2021386429<br>2021387880<br>2021388980               | 2021388956                             | 2021366326               | 2021391799   |
| <b><u>B25J 11 /-</u></b>                             | <b><u>B29B 7 /-</u></b>                | <b><u>B32B 7 /-</u></b>                              | <b><u>B60N 2 /-</u></b>                | <b><u>B62D 53 /-</u></b> | <b><u>B64C 39 /-</u></b>                             |
| 2021399881   | 2021403916                             | 2021361055<br>2021373614<br>2021401279               | 2021366392<br>2021373709<br>2022206352 | 2021381692               | 2021353915<br>2021378639<br>2021391799<br>2021414750 |
| <b><u>B25J 5 /-</u></b>                              | <b><u>B29B 9 /-</u></b>                | <b><u>B33Y 10 /-</u></b>                             | <b><u>B60P 1 /-</u></b>                | <b><u>B62D 55 /-</u></b> | <b><u>B64D 1 /-</u></b>                              |
| 2021399881   | 2021403916                             | 2021384828   | 2020380409                             | 2022279525               | 2021353915   |
| <b><u>B25J 9 /-</u></b>                              | <b><u>B29C 44 /-</u></b>               | <b><u>B33Y 50 /-</u></b>                             | <b><u>B60P 7 /-</u></b>                | <b><u>B62H 3 /-</u></b>  | <b><u>B64D 27 /-</u></b>                             |
| 2021391551<br>2021399881                             | 2021371895<br>2021390457               | 2021363805<br>2021401069                             | 2021436144                             | 2021379561               | 2021378639   |
| <b><u>B26D 1 /-</u></b>                              | <b><u>B29C 57 /-</u></b>               | <b><u>B33Y 70 /-</u></b>                             | <b><u>B60Q 1 /-</u></b>                | <b><u>B62J 6 /-</u></b>  | <b><u>B64D 35 /-</u></b>                             |
| 2021371895<br>2021387319                             | 2021382634                             | 2021384828   | 2021378638                             | 2021378638               | 2021378639   |
|  | <b><u>B29C 63 /-</u></b>               |  | <b><u>B60T 13 /-</u></b>               | <b><u>B62K 5 /-</u></b>  | <b><u>B64F 1 /-</u></b>                              |
|  | 2021406449                             |  | 2022331907                             | 2021398585               | 2021374982   |
|  |  |  |  | 2021416071               | <b><u>B64F 3 /-</u></b>                              |
|  |  |  |  |                          | 2021391799   |

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| <b><u>B64G 1 /-</u></b>  |                          | <b><u>B65F 3 /-</u></b>  | <b><u>B82Y 10 /-</u></b> | 2021377727                | 2021407344                |
| 2021377060               | <b><u>B65D 30 /-</u></b> | 2021366257               | 2021365794               | 2021384857                | <b><u>C05C 9 /-</u></b>   |
| <b><u>B65B 1 /-</u></b>  | 2021380156               | 2021386467               | 2021409125               | 2021387019                | 2021376528                |
| 2021395923               | <b><u>B65D 33 /-</u></b> | <b><u>B65F 9 /-</u></b>  | <b><u>B82Y 40 /-</u></b> | 2021389057                | <b><u>C05F 11 /-</u></b>  |
| <b><u>B65B 11 /-</u></b> | 2021380156               | 2021366257               | 2021366256               | 2021393516                | 2020480672                |
| 2021376275               | <b><u>B65D 35 /-</u></b> | <b><u>B65G 1 /-</u></b>  | 2021410698               | 2022269010                | 2021361207                |
| <b><u>B65B 3 /-</u></b>  | 2021365774               | 2021368257               | <b><u>B82Y 5 /-</u></b>  | 2022271313                | 2021364878                |
| 2021387608               | <b><u>B65D 39 /-</u></b> | <b><u>B65G 15 /-</u></b> | 2021397776               | <b><u>C02F 103 /-</u></b> | 2021374579                |
| 2021412877               | 2021390035               | 2021387846               | <b><u>C01B 13 /-</u></b> | 2021389057                | <b><u>C05G 1 /-</u></b>   |
| 2021412880               | <b><u>B65D 47 /-</u></b> | <b><u>B65G 17 /-</u></b> | 2020481660               | <b><u>C03B 37 /-</u></b>  | 2021374579                |
| <b><u>B65B 35 /-</u></b> | 2021365774               | 2022224660               | <b><u>C01B 17 /-</u></b> | <b><u>C03B 5 /-</u></b>   | <b><u>C05G 3 /-</u></b>   |
| 2021376275               | <b><u>B65D 49 /-</u></b> | <b><u>B65G 43 /-</u></b> | 2021376545               | <b><u>C03C 13 /-</u></b>  | 2020472581                |
| <b><u>B65B 39 /-</u></b> | 2021361055               | 2021372553               | 2021378828               | 2021395109                | 2020480672                |
| 2021412877               | <b><u>B65D 5 /-</u></b>  | <b><u>B65G 47 /-</u></b> | <b><u>C01B 3 /-</u></b>  | <b><u>C03C 25 /-</u></b>  | 2021374579                |
| <b><u>B65B 43 /-</u></b> | 2021386384               | 2020476940               | 2020481660               | 2021402157                | <b><u>C06B 23 /-</u></b>  |
| 2021395923               | 2021393449               | 2021395923               | 2021385056               | 2021403916                | 2021391745                |
| <b><u>B65B 51 /-</u></b> | 2021409665               | 2021411489               | 2021403617               | <b><u>C03C 3 /-</u></b>   | 2022283709                |
| 2021412877               | <b><u>B65D 51 /-</u></b> | <b><u>B65H 18 /-</u></b> | <b><u>C01B 32 /-</u></b> | 2021395109                | 2022283710                |
| 2021412880               | 2021390035               | 2020473292               | 2021366256               | <b><u>C04B 111 /-</u></b> | <b><u>C06B 45 /-</u></b>  |
| <b><u>B65B 55 /-</u></b> | 2021405307               | <b><u>B65H 7 /-</u></b>  | 2021379564               | 2021363759                | 2022283709                |
| 2021381094               | <b><u>B65D 65 /-</u></b> | 2021428773               | 2021386287               | 2021403916                | 2022283710                |
| 2021412877               | 2021386429               | <b><u>B65H 75 /-</u></b> | <b><u>C01B 39 /-</u></b> | 2021407344                | <b><u>C06B 47 /-</u></b>  |
| 2021412880               | 2021387880               | 2020473292               | 2021366959               | <b><u>C01D 15 /-</u></b>  | 2022283709                |
| <b><u>B65B 57 /-</u></b> | 2021388980               | <b><u>B66B 19 /-</u></b> | 2021384857               | 2021375372                | 2022283710                |
| 2021395923               | <b><u>B65D 75 /-</u></b> | 2020484327               | 2021391537               | <b><u>C04B 18 /-</u></b>  | <b><u>C06D 3 /-</u></b>   |
| 2021412877               | 2021387608               | 2021363565               | 2021395126               | 2021407344                | 2021391745                |
| <b><u>B65B 61 /-</u></b> | <b><u>B65D 81 /-</u></b> | <b><u>B66C 13 /-</u></b> | <b><u>C01D 3 /-</u></b>  | <b><u>C04B 2 /-</u></b>   | <b><u>C07B 59 /-</u></b>  |
| 2021395923               | 2021412803               | 2021386713               | 2021377727               | 2021392816                | 2021369744                |
| 2021412877               | <b><u>B65D 83 /-</u></b> | <b><u>B66F 17 /-</u></b> | <b><u>C01D 7 /-</u></b>  | <b><u>C04B 20 /-</u></b>  | 2021400944                |
| <b><u>B65B 63 /-</u></b> | 2021359671               | 2021376026               | 2021391867               | <b><u>C04B 28 /-</u></b>  | <b><u>C07B 61 /-</u></b>  |
| 2020473292               | 2021380156               | <b><u>B66F 7 /-</u></b>  | <b><u>C01G 23 /-</u></b> | 2021363759                | 2022233921                |
| 2021393562               | 2021388036               | 2021379561               | 2021408943               | 2021403916                | <b><u>C07C 205 /-</u></b> |
| <b><u>B65B 65 /-</u></b> | <b><u>B65D 85 /-</u></b> | 2021386257               | <b><u>C01G 45 /-</u></b> | 2021363759                | 2021381769                |
| 2021412877               | 2021386429               | 2021386775               | 2021376545               | 2021396030                | <b><u>C07C 211 /-</u></b> |
| 2021412880               | 2021387880               | <b><u>B66F 9 /-</u></b>  | 2021378828               | 2021403916                | 2022207550                |
| <b><u>B65C 9 /-</u></b>  | 2021388980               | 2021368257               | <b><u>C01G 51 /-</u></b> | 2021407344                | <b><u>C07C 215 /-</u></b> |
| 2021374667               | 2021436144               | 2021376026               | 2021376545               | <b><u>C04B 38 /-</u></b>  | 2021360501                |
| <b><u>B65D 1 /-</u></b>  | <b><u>B65D 88 /-</u></b> | 2021379561               | 2021378828               | 2021363759                | <b><u>C07C 217 /-</u></b> |
| 2021377690               | 2021366257               | <b><u>B67B 7 /-</u></b>  | <b><u>C01G 53 /-</u></b> | <b><u>C04B 40 /-</u></b>  | 2021381769                |
| <b><u>B65D 23 /-</u></b> | <b><u>B65F 1 /-</u></b>  | 2021376932               | 2021376545               | 2021391502                | 2022207550                |
| 2021377690               | 2021366257               | <b><u>B81B 1 /-</u></b>  | <b><u>C02F 1 /-</u></b>  | <b><u>C04B 7 /-</u></b>   | 2021375372                |
| <b><u>B65D 25 /-</u></b> | 2021369203               | 2021383756               | 2021368580               | 2021392816                | 2021369648                |
| 2021366257               |                          |                          | 2021369648               |                           |                           |

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| <b><u>C07C 219 /-</u></b> | <b><u>C07C 57 /-</u></b>  | <b><u>C07D 241 /-</u></b> | 2021376300                | 2021377248                | <b><u>C07D 495 /-</u></b> |
| 2022207550                | 2021389680                |                           | 2021377248                | 2021381423                | 2020472970                |
| <b><u>C07C 229 /-</u></b> | <b><u>C07C 59 /-</u></b>  | 2021381012                | 2021381012                | 2021383227                | 2021377248                |
| 2022207550                | 2022298468                | <b><u>C07D 249 /-</u></b> | 2021381423                | 2021386627                | 2021379248                |
| <b><u>C07C 233 /-</u></b> | <b><u>C07C 67 /-</u></b>  |                           | 2021382769                | 2021390194                | 2021386149                |
| 2021386626                | 2021385537                | 2021368667                | 2021386149                | 2021408684                | 2021393770                |
| 2022207550                | 2021389680                | <b><u>C07D 257 /-</u></b> | 2021388798                | <b><u>C07D 455 /-</u></b> | 2021395477                |
| <b><u>C07C 235 /-</u></b> | <b><u>C07C 69 /-</u></b>  |                           | 2021390534                | 2021376500                | 2022227183                |
| 2021377248                | 2021385537                | <b><u>C07D 257 /-</u></b> | 2021393987                | <b><u>C07D 471 /-</u></b> | <b><u>C07D 498 /-</u></b> |
| <b><u>C07C 237 /-</u></b> | <b><u>C07D 205 /-</u></b> | 2021393789                | 2021393988                |                           | 2021376300                |
| 2022207550                | 2021366217                | 2021400944                | 2021404953                | 2020472970                | 2021383176                |
| <b><u>C07C 255 /-</u></b> | 2021366223                | <b><u>C07D 267 /-</u></b> | 2021405511                | 2021363616                | 2021386149                |
| 2021381769                | 2021381012                |                           | 2021408684                | 2021364302                | 2021388798                |
| 2021390534                | 2021382590                | 2021381769                | <b><u>C07D 403 /-</u></b> | 2021366303                | <b><u>C07D 513 /-</u></b> |
| <b><u>C07C 257 /-</u></b> | <b><u>C07D 207 /-</u></b> | <b><u>C07D 275 /-</u></b> | 2021366217                | 2021368667                | 2021383176                |
| 2021390534                | 2021377248                |                           | 2021367089                | 2021376300                | 2021384582                |
| <b><u>C07C 271 /-</u></b> | 2021377248                | 2021377248                | 2021368107                | 2021376415                | 2021385537                |
| 2021391715                | 2021381516                | <b><u>C07D 277 /-</u></b> | 2021368667                | 2021377248                | <b><u>C07D 515 /-</u></b> |
| 2022207550                | 2021387573                |                           | 2021377248                | 2021381012                | 2021381437                |
| 2022314007                | 2021387794                | 2021377248                | 2021381012                | 2021382674                | 2021383832                |
| <b><u>C07C 273 /-</u></b> | <b><u>C07D 209 /-</u></b> | <b><u>C07D 281 /-</u></b> | 2021382360                | 2021383227                | <b><u>C07D 519 /-</u></b> |
| 2021376528                | 2021368107                |                           | 2021382769                | 2021386149                | 2021381437                |
| <b><u>C07C 29 /-</u></b>  | 2021390543                | <b><u>C07D 295 /-</u></b> | 2021390534                | 2021386627                | 2021383832                |
| 2021389680                | 2021377248                |                           | 2021393753                | 2021387908                | <b><u>C07D 519 /-</u></b> |
| 2022208327                | 2021381516                | <b><u>C07D 305 /-</u></b> | 2021393789                | 2021388798                | 2021376415                |
| <b><u>C07C 307 /-</u></b> | 2021387573                |                           | 2021404953                | 2021390194                | 2021383832                |
| 2021382360                | 2021387794                | <b><u>C07D 309 /-</u></b> | 2022227183                | 2021392700                | 2021381376                |
| <b><u>C07C 327 /-</u></b> | <b><u>C07D 211 /-</u></b> | 2021386606                | <b><u>C07D 405 /-</u></b> | 2021401232                | <b><u>C07F 13 /-</u></b>  |
| 2021385572                | 2021367147                | <b><u>C07D 307 /-</u></b> | 2021366217                | 2021405511                | 2021381376                |
| <b><u>C07C 33 /-</u></b>  | 2021381516                |                           | 2021366223                | 2021408684                | <b><u>C07F 5 /-</u></b>   |
| 2022208327                | 2022207550                | <b><u>C07D 307 /-</u></b> | 2021367089                | 2021412688                | 2021377857                |
| <b><u>C07C 39 /-</u></b>  | <b><u>C07D 213 /-</u></b> | 2021387794                | 2021368667                | 2022227183                | 2021382599                |
| 2021386606                | 2021368667                | <b><u>C07D 307 /-</u></b> | 2021376300                | <b><u>C07D 487 /-</u></b> | 2021384582                |
| <b><u>C07C 43 /-</u></b>  | 2021372815                | 2021386627                | 2021382360                | 2021363703                | <b><u>C07F 7 /-</u></b>   |
| 2021382360                | 2021377248                | 2021387794                | 2021386627                | 2021367089                | 2021376300                |
| <b><u>C07C 327 /-</u></b> | 2021398540                | <b><u>C07D 311 /-</u></b> | 2021388798                | 2021371697                | 2021391715                |
| 2021385572                | 2021368667                |                           | 2021398540                | 2021376300                | 2021393789                |
| <b><u>C07C 33 /-</u></b>  | 2021372815                | <b><u>C07D 309 /-</u></b> | <b><u>C07D 407 /-</u></b> | 2021376415                | <b><u>C07F 9 /-</u></b>   |
| 2022208327                | 2021398540                | 2021387794                | 2021386627                | 2021377248                | 2020477113                |
| <b><u>C07C 39 /-</u></b>  | <b><u>C07D 215 /-</u></b> | <b><u>C07D 317 /-</u></b> | 2021388798                | 2021381509                | 2021367917                |
| 2021386606                | 2021381012                |                           | 2022227183                | 2021382360                | 2021387908                |
| <b><u>C07C 43 /-</u></b>  | <b><u>C07D 217 /-</u></b> | <b><u>C07D 307 /-</u></b> | <b><u>C07D 409 /-</u></b> | 2021383832                | 2021403606                |
| 2022208327                | 2021381396                | 2021387794                | 2021388798                | 2021383928                | 2022207550                |
| <b><u>C07C 39 /-</u></b>  | <b><u>C07D 221 /-</u></b> | <b><u>C07D 327 /-</u></b> | <b><u>C07D 413 /-</u></b> | 2021384158                | 2022314007                |
| 2021386606                | 2021381396                |                           | 2020472970                | 2021388798                | 2022316399                |
| <b><u>C07C 46 /-</u></b>  | <b><u>C07D 225 /-</u></b> | <b><u>C07D 337 /-</u></b> | 2021366217                | 2021392700                | <b><u>C07H 1 /-</u></b>   |
| 2022298468                | 2021381012                |                           | 2021386627                | 2021405511                | 2021381371                |
| <b><u>C07C 51 /-</u></b>  | <b><u>C07D 231 /-</u></b> | <b><u>C07D 317 /-</u></b> | 2021388798                | 2021407012                | 2021381706                |
| 2021389680                | 2021381396                | 2021381769                | 2021398540                | <b><u>C07D 489 /-</u></b> | 2021407750                |
| 2022298468                | 2021381396                | 2021387794                | 2022227183                | 2021368196                | 2022207550                |
| <b><u>C07C 51 /-</u></b>  | <b><u>C07D 221 /-</u></b> | <b><u>C07D 327 /-</u></b> | <b><u>C07D 413 /-</u></b> | <b><u>C07D 491 /-</u></b> | 2022314007                |
| 2021386606                | 2021381396                |                           | 2020472970                | 2021376300                | 2022316399                |
| <b><u>C07C 46 /-</u></b>  | <b><u>C07D 225 /-</u></b> | <b><u>C07D 337 /-</u></b> | 2021363616                | 2021376300                | <b><u>C07H 15 /-</u></b>  |
| 2022298468                | 2021378075                | 2021377248                | 2021366303                | 2021386149                | 2021380287                |
| <b><u>C07C 51 /-</u></b>  | <b><u>C07D 231 /-</u></b> | <b><u>C07D 401 /-</u></b> | 2021368667                | 2021390194                | 2021382033                |
| 2021389680                | 2021368667                |                           | 2021377248                | 2021404953                | 2021407750                |
| 2022298468                | 2021368667                | 2020477113                | 2021386627                | <b><u>C07D 493 /-</u></b> | <b><u>C07H 15 /-</u></b>  |
| <b><u>C07C 51 /-</u></b>  | <b><u>C07D 239 /-</u></b> | 2021366217                | 2021388798                | 2021386448                | 2021380287                |
| 2021389680                | 2021367089                | 2021366223                | 2021404953                | 2021387794                | 2021382033                |
| 2022298468                | 2021377248                | 2021367089                | 2021408684                | 2021390194                | 2021407750                |
|                           | 2021382360                | 2021367147                | 2022233921                | 2021421147                | <b><u>C07H 21 /-</u></b>  |
|                           | 2021390534                | 2021368107                | <b><u>C07D 417 /-</u></b> |                           | 2021363267                |
|                           |                           | 2021368667                |                           |                           |                           |
|                           |                           |                           | 2020472970                |                           |                           |
|                           |                           |                           | 2021368138                |                           |                           |



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| 2021369744               | 2021363350               | 2021376241                |                           | <b><u>C09D 201 /-</u></b> | 2021386550               |
| 2021374958               | 2021366341               | 2021381384                | <b><u>C08G 8 /-</u></b>   |                           | 2021387713               |
| 2021381371               | 2021367592               | 2021383237                |                           | 2021408943                | 2021388708               |
| 2021390561               | 2021367878               | 2021386892                | 2021372714                |                           | 2021388768               |
| 2021414237               | 2021369450               | 2021393434                |                           | <b><u>C09D 5 /-</u></b>   |                          |
| <b><u>C07H 3 /-</u></b>  | 2021370222               | 2021395061                | <b><u>C08J 11 /-</u></b>  |                           | <b><u>C10G 47 /-</u></b> |
|                          | 2021370788               | 2021413526                |                           | 2021377133                |                          |
|                          | 2021370987               |                           |                           | 2021394066                | 2021370113               |
| 2021381706               | 2021370991               | <b><u>C07K 5 /-</u></b>   |                           | 2021397703                |                          |
|                          | 2021371709               |                           | <b><u>C08J 3 /-</u></b>   |                           | <b><u>C10G 53 /-</u></b> |
| <b><u>C07H 5 /-</u></b>  | 2021372454               | 2021369462                |                           | <b><u>C09D 7 /-</u></b>   |                          |
|                          | 2021372463               | 2021381473                | 2021365749                |                           | 2020483033               |
| 2022206323               | 2021372759               | 2021382033                |                           | 2021377133                |                          |
|                          | 2021372815               | 2021383473                | <b><u>C08J 5 /-</u></b>   | 2021394066                | <b><u>C10G 65 /-</u></b> |
| <b><u>C07K 1 /-</u></b>  | 2021372988               | 2021391715                |                           | 2021408943                |                          |
|                          | 2021372997               | 2021393789                | 2021402157                | 2021410698                | 2021370113               |
| 2021361746               | 2021374649               |                           | 2021403916                |                           |                          |
| 2021368859               | 2021374803               | <b><u>C07K 7 /-</u></b>   |                           | <b><u>C09J 107 /-</u></b> | <b><u>C10G 69 /-</u></b> |
| 2021381012               | 2021374958               |                           | <b><u>C08J 9 /-</u></b>   | 2021400427                | 2021401076               |
| 2021391715               | 2021376131               | 2021361746                |                           |                           |                          |
| 2021395061               | 2021376208               | 2021361848                | 2020474489                |                           |                          |
| 2021410080               | 2021376241               | 2021365817                | 2021371895                | <b><u>C09J 109 /-</u></b> | <b><u>C10G 9 /-</u></b>  |
|                          | 2021376364               | 2021369462                |                           |                           |                          |
| <b><u>C07K 14 /-</u></b> | 2021377210               | 2021370296                | <b><u>C08K 3 /-</u></b>   | 2021400427                | 2021383402               |
|                          | 2021377213               | 2021371958                |                           |                           |                          |
| 2021361848               | 2021377213               | 2021381384                | 2021386287                | <b><u>C09J 167 /-</u></b> | <b><u>C10K 1 /-</u></b>  |
| 2021367018               | 2021378575               | 2021381384                | 2021402785                |                           |                          |
| 2021368859               | 2021378813               | 2021382843                |                           | 2021402157                | 2021403601               |
| 2021370788               | 2021380966               | 2021390550                | <b><u>C08K 5 /-</u></b>   |                           |                          |
| 2021370840               | 2021381778               | 2021401884                |                           | <b><u>C09K 23 /-</u></b>  | <b><u>C10K 3 /-</u></b>  |
| 2021370991               | 2021383237               |                           | 2021394066                |                           |                          |
| 2021371040               | 2021383841               | <b><u>C08B 37 /-</u></b>  | 2021414732                | 2021360193                | 2021370113               |
| 2021372759               | 2021385486               |                           | <b><u>C08L 101 /-</u></b> | <b><u>C09K 8 /-</u></b>   | 2021403617               |
| 2021372815               | 2021387127               | 2021381706                |                           |                           |                          |
| 2021372848               | 2021388021               |                           |                           |                           | <b><u>C11B 1 /-</u></b>  |
| 2021372988               | 2021388643               | <b><u>C08F 2 /-</u></b>   | 2021414732                | 2021376105                |                          |
| 2021372997               | 2021388650               |                           |                           |                           | 2021372658               |
| 2021376225               | 2021390125               | 2021367879                | <b><u>C08L 21 /-</u></b>  | <b><u>C10G 1 /-</u></b>   | 2021377717               |
| 2021376241               | 2021390561               |                           |                           |                           |                          |
| 2021377619               | 2021390722               | <b><u>C08F 210 /-</u></b> | 2021400427                | 2021401076                | <b><u>C11B 3 /-</u></b>  |
| 2021378325               | 2021391054               |                           |                           |                           |                          |
| 2021379816               | 2021391433               | 2021367879                | <b><u>C08L 23 /-</u></b>  | <b><u>C10G 11 /-</u></b>  | 2021360193               |
| 2021380755               | 2021392032               |                           |                           |                           |                          |
| 2021380823               | 2021392308               | <b><u>C08F 8 /-</u></b>   | 2021367879                | 2021401076                | <b><u>C11B 9 /-</u></b>  |
| 2021381700               | 2021392630               |                           | 2021384828                |                           |                          |
| 2021382010               | 2021392655               | 2021416526                |                           | <b><u>C10G 19 /-</u></b>  | 2021377717               |
| 2021382599               | 2021393908               |                           | <b><u>C08L 29 /-</u></b>  |                           |                          |
| 2021382917               | 2021395027               | <b><u>C08G 16 /-</u></b>  |                           | 2022269010                | <b><u>C11D 1 /-</u></b>  |
| 2021385049               | 2021395061               |                           | 2021363133                | 2022271313                |                          |
| 2021385555               | 2021395241               | 2021372714                |                           |                           | 2021386360               |
| 2021386370               | 2021395439               | <b><u>C08G 18 /-</u></b>  | <b><u>C08L 97 /-</u></b>  | <b><u>C10G 2 /-</u></b>   | 2021387767               |
| 2021386892               | 2021400284               |                           |                           |                           | 2021390779               |
| 2021387998               | 2021400322               | 2021401279                | 2021414732                | 2021370113                |                          |
| 2021389014               | 2021401052               | 2021402785                |                           |                           | <b><u>C11D 11 /-</u></b> |
| 2021389409               | 2021401421               | <b><u>C08G 63 /-</u></b>  | <b><u>C09C 1 /-</u></b>   |                           | 2021363638               |
| 2021389909               | 2021405049               |                           |                           | 2021388708                | 2021390779               |
| 2021390480               | 2021405059               | 2021386448                | <b><u>C09C 3 /-</u></b>   |                           |                          |
| 2021392032               | 2021405060               | 2021402157                |                           | <b><u>C10G 27 /-</u></b>  | <b><u>C11D 17 /-</u></b> |
| 2021392642               | 2021405066               |                           | 2021408943                |                           |                          |
| 2021392708               | 2021408085               | <b><u>C08G 64 /-</u></b>  |                           | 2020483033                | 2021363638               |
| 2021400284               | 2021413526               |                           |                           |                           | 2021390779               |
| 2021400322               | 2021416156               | 2021386448                | <b><u>C09D 1 /-</u></b>   |                           |                          |
| 2021401052               | 2022206323               |                           |                           | 2021383402                | <b><u>C11D 3 /-</u></b>  |
| 2021405019               | 2022219922               | <b><u>C08G 65 /-</u></b>  | 2021410698                | 2021401076                | 2021363638               |
| 2021405360               |                          |                           |                           | 2021403601                | 2021382875               |
| 2021405718               | <b><u>C07K 17 /-</u></b> | 2021386448                | <b><u>C09D 129 /-</u></b> |                           | 2021386360               |
| 2021405788               |                          | <b><u>C08G 73 /-</u></b>  |                           | <b><u>C10G 31 /-</u></b>  | 2021387767               |
| 2021409801               | 2021385609               |                           | 2021394066                |                           |                          |
|                          | <b><u>C07K 19 /-</u></b> | 2021365749                | <b><u>C09D 133 /-</u></b> | 2021399910                | <b><u>C12G 3 /-</u></b>  |
| <b><u>C07K 16 /-</u></b> |                          | <b><u>C08G 75 /-</u></b>  |                           |                           |                          |
|                          | 2021370788               |                           | 2021397703                | <b><u>C10G 45 /-</u></b>  | 2021399313               |
| 2021361746               | 2021371709               | 2021386448                |                           |                           |                          |
| 2021362007               |                          |                           |                           | 2021370113                |                          |
|                          |                          |                           |                           | 2021386151                |                          |

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| <b><u>C12M 1 /-</u></b>  | 2021382654              | 2021372972               | 2021372990               | <b><u>C22B 11 /-</u></b> | <b><u>C22C 18 /-</u></b> |
| 2021376932               | 2021382728              | 2021373795               | 2021376500               | 2021383415               | 2021379233               |
| 2021382233               | 2021383237              | 2021385551               | 2021377272               |                          | 2021381168               |
| 2021385389               | 2021383841              | 2021389014               | 2021377614               | <b><u>C22B 13 /-</u></b> |                          |
| 2021387755               | 2021384448              | 2021410043               | 2021381371               | 2021383415               | <b><u>C22C 38 /-</u></b> |
| 2021390584               | 2021385551              | <b><u>C12N 9 /-</u></b>  | 2021381395               |                          | 2021388886               |
| 2021391840               | 2021385555              |                          | 2021384009               | <b><u>C22B 15 /-</u></b> |                          |
| 2021394587               | 2021386370              | 2021361037               | 2021384324               | 2021383415               | <b><u>C23C 16 /-</u></b> |
| 2021401945               | 2021386386              | 2021363134               | 2021385447               |                          | 2021410698               |
| 2021411051               | 2021386507              | 2021364920               | 2021386507               | <b><u>C22B 17 /-</u></b> |                          |
| 2021412880               | 2021387127              | 2021364920               | 2021386895               | 2021383415               | <b><u>C23C 2 /-</u></b>  |
|                          | 2021387998              | 2021369494               | 2021387426               |                          | 2021381168               |
| <b><u>C12M 3 /-</u></b>  | 2021388650              | 2021372972               | 2021387969               | <b><u>C22B 19 /-</u></b> | <b><u>C23C 22 /-</u></b> |
| 2021367435               | 2021389409              | 2021373368               | 2021390189               | 2021383415               | 2021379233               |
| 2021381439               | 2021390125              | 2021376350               | 2021390550               |                          | 2022206607               |
| 2021382233               | 2021390480              | 2021377686               | 2021390715               | <b><u>C22B 23 /-</u></b> |                          |
| 2021383756               | 2021390491              | 2021379983               | 2021391930               | 2021376545               | <b><u>C23C 28 /-</u></b> |
| 2021385389               | 2021390561              | 2021380823               | 2021392726               | 2021383415               | 2021379233               |
| 2021387755               | 2021391054              | 2021380899               | 2021395241               |                          | 2022206607               |
| 2021390584               | 2021391719              | 2021381020               | 2021395432               | <b><u>C22B 25 /-</u></b> |                          |
| 2021401945               | 2021392719              | 2021382654               | 2021397247               | 2021383415               | <b><u>C23C 8 /-</u></b>  |
| 2021412880               | 2021392981              | 2021382939               | 2021400488               |                          | 2021366577               |
|                          | 2021393434              | 2021384448               | 2021400588               | <b><u>C22B 26 /-</u></b> |                          |
|                          | 2021394117              | 2021385049               | 2021409723               | 2021376545               | <b><u>C25B 1 /-</u></b>  |
| <b><u>C12N 1 /-</u></b>  | 2021394878              | 2021386386               | 2021410768               | 2021384857               | 2020479045               |
| 2020480672               | 2021396103              | 2021389671               | 2022205038               | 2021390490               | 2021387528               |
| 2021366805               | 2021397776              | 2021390189               | 2022207503               |                          | 2021391537               |
| 2021370840               | 2021401884              | 2021392719               | 2022207504               | <b><u>C22B 3 /-</u></b>  | 2021406395               |
| 2021378575               | 2021405011              | 2021394878               | 2022207858               | 2021366959               | 2022298468               |
| 2021386386               | 2021405019              | 2021405718               | 2022208714               | 2021376545               | <b><u>C25B 11 /-</u></b> |
| 2021397324               | 2021409723              | 2021409801               | 2022214501               | 2021384857               | 2021406395               |
| 2021398406               | 2021410043              | 2021410080               | <b><u>C12R 1 /-</u></b>  | 2021390490               | 2022298468               |
|                          | 2021410768              | 2021414658               | 2020480672               |                          |                          |
|                          | 2021413526              | 2022219778               | 2021398406               | <b><u>C22B 30 /-</u></b> | <b><u>C25B 15 /-</u></b> |
| <b><u>C12N 13 /-</u></b> | <b><u>C12N 5 /-</u></b> | <b><u>C12P 13 /-</u></b> | <b><u>C21B 13 /-</u></b> | 2021383415               | 2021391537               |
| 2021373590               | 2021360406              | 2022219778               | 2021386464               | 2021384857               | 2021406395               |
| 2021382029               | 2021363134              |                          | 2021386878               | 2021389080               | <b><u>C25B 3 /-</u></b>  |
| 2021394587               | 2021366504              | <b><u>C12P 17 /-</u></b> | 2021387528               | 2021390490               | 2022298468               |
|                          | 2021366805              | 2021381020               | <b><u>C21B 15 /-</u></b> |                          |                          |
| <b><u>C12N 15 /-</u></b> | 2021369494              | <b><u>C12P 19 /-</u></b> | 2021389080               | <b><u>C22B 43 /-</u></b> |                          |
| 2021361746               | 2021371196              | 2021361037               |                          | 2021383415               | <b><u>C25B 9 /-</u></b>  |
| 2021363350               | 2021373326              | <b><u>C12P 21 /-</u></b> | <b><u>C21C 5 /-</u></b>  |                          | 2020479045               |
| 2021364540               | 2021374598              | 2021372759               | 2021387682               | <b><u>C22B 47 /-</u></b> | 2021406395               |
| 2021364920               | 2021377272              | 2021378575               |                          | 2021376545               |                          |
| 2021368859               | 2021378325              | 2021379584               | <b><u>C21D 1 /-</u></b>  |                          | <b><u>C25C 3 /-</u></b>  |
| 2021369494               | 2021378575              | 2021379987               | 2021388886               | 2021386464               | 2021386476               |
| 2021370840               | 2021379584              | 2021379987               |                          | 2021386878               | 2021388087               |
| 2021371709               | 2021379987              | 2021381011               | <b><u>C21D 6 /-</u></b>  | <b><u>C22B 58 /-</u></b> | <b><u>C25C 7 /-</u></b>  |
| 2021372848               | 2021381011              | 2021382029               | 2021366577               | 2021383415               | 2021386476               |
| 2021372972               | 2021382029              | 2021383237               | 2021388886               |                          | 2021388087               |
| 2021372990               | 2021383237              | 2021383756               | <b><u>C21D 9 /-</u></b>  | <b><u>C22B 60 /-</u></b> |                          |
| 2021373368               | 2021383756              | 2021385389               | 2021387682               | 2021372714               | <b><u>C30B 7 /-</u></b>  |
| 2021373795               | 2021385389              | 2021386370               |                          |                          | 2021378828               |
| 2021376225               | 2021386370              | 2021386812               | <b><u>C21D 10 /-</u></b> | <b><u>C22B 7 /-</u></b>  |                          |
| 2021376350               | 2021386812              | 2021388074               | 2021388886               | 2021366959               | <b><u>C40B 40 /-</u></b> |
| 2021376390               | 2021388074              | 2021389671               |                          | 2021383415               |                          |
| 2021377686               | 2021389671              | 2021391801               | <b><u>C21D 11 /-</u></b> | 2021384857               |                          |
| 2021377901               | 2021391801              | 2021392032               | 2021366577               |                          |                          |
| 2021378285               | 2021392032              | 2021396103               | 2021388886               |                          |                          |
| 2021378325               | 2021396103              | 2021398406               |                          | <b><u>C22B 60 /-</u></b> |                          |
| 2021378575               | 2021396332              | 2021403503               | <b><u>C21D 9 /-</u></b>  | 2021372714               |                          |
| 2021379816               | 2021401934              | <b><u>C12Q 1 /-</u></b>  | 2021388886               |                          |                          |
| 2021379983               | 2021405718              |                          |                          | <b><u>C22B 7 /-</u></b>  |                          |
| 2021380809               | 2021413526              | 2021360589               | <b><u>C22B 1 /-</u></b>  | 2021366959               |                          |
| 2021381020               | 2022207858              | 2021364539               |                          | 2021383415               |                          |
| 2021381384               |                         | 2021364540               |                          | 2021384857               |                          |
| 2021382029               | <b><u>C12N 7 /-</u></b> | 2021365806               |                          |                          |                          |
| 2021382146               | 2021370788              | 2021366658               |                          |                          |                          |
| 2021382439               |                         | 2021368759               |                          |                          |                          |
| 2021382621               |                         |                          |                          |                          |                          |

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

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b><u>C40B 50 /-</u></b>               | <b><u>E01H 1 /-</u></b>  | <b><u>E04F 13 /-</u></b>                             | <b><u>E06B 9 /-</u></b>  | 2021427194<br>2022210417   | <b><u>F02M 26 /-</u></b>               |
| 2021360589                             | 2021383821<br>2021383822   | 2021381735   | 2021387669<br>2022217134   |  | 2021391506                             |
| <b><u>D01F 2 /-</u></b>                | <b><u>E02D 17 /-</u></b>   | <b><u>E04F 15 /-</u></b>                             | <b><u>E21B 1 /-</u></b>  | <b><u>E21B 43 /-</u></b>   | <b><u>F02M 51 /-</u></b>               |
| 2021392478                             | 2021386419   | 2021380091<br>2021408916                             | 2021374828   | 2021367992<br>2021376105<br>2021385448<br>2021390802<br>2021392648<br>2021427194 | 2021362753                             |
| <b><u>D01F 6 /-</u></b>                | <b><u>E02D 27 /-</u></b>   | <b><u>E04F 21 /-</u></b>                             | <b><u>E21B 10 /-</u></b>   |  | <b><u>F02M 57 /-</u></b>               |
| 2022229435                             | 2021383941   | 2021391739<br>2021400865<br>2021401209<br>2021403139 | 2021381956   |  | 2021362753                             |
| <b><u>D01F 8 /-</u></b>                | <b><u>E02D 29 /-</u></b>   |  | <b><u>E21B 12 /-</u></b>   | <b><u>E21B 44 /-</u></b>   | <b><u>F02P 15 /-</u></b>               |
| 2022229435                             | 2021383941<br>2021386419   |  | 2021369844   | 2021385230<br>2021408910   | 2021362753                             |
| <b><u>D04H 1 /-</u></b>                | <b><u>E02D 5 /-</u></b>  | <b><u>E04G 1 /-</u></b>                              | <b><u>E21B 17 /-</u></b>   | <b><u>E21B 47 /-</u></b>   | <b><u>F03B 13 /-</u></b>               |
| 2021402157                             | 2021383941<br>2021410532   | 2021388962   | 2021368571<br>2021382732<br>2021386377                             | 2021385448<br>2021400988<br>2021408910   | 2021381051<br>2021387019               |
| <b><u>D06F 39 /-</u></b>               | <b><u>E02F 3 /-</u></b>  | <b><u>E04G 21 /-</u></b>                             | <b><u>E21B 19 /-</u></b>   | <b><u>E21B 49 /-</u></b>   | <b><u>F03B 17 /-</u></b>               |
| 2021385681                             | 2021369844<br>2021381293<br>2021385325<br>2021391071<br>2021397398<br>2021424823 | 2021363761<br>2021386876<br>2021401209               | 2021381956<br>2021384728<br>2021408910                             | 2021385448   | 2021381051<br>2021416071               |
| <b><u>D06F 58 /-</u></b>               |  | <b><u>E04G 7 /-</u></b>                              |  |  | <b><u>F03B 3 /-</u></b>                |
| 2021392304                             |  | 2021388962   |  | <b><u>E21B 6 /-</u></b>  | 2021381051                             |
| <b><u>D06M 13 /-</u></b>               |  | <b><u>E04H 1 /-</u></b>                              | <b><u>E21B 21 /-</u></b>   | 2021374828   | <b><u>F03G 7 /-</u></b>                |
| 2021379575                             |  | 2021371528<br>2021396784                             | 2021385062   | <b><u>E21B 7 /-</u></b>  | 2020392955                             |
| <b><u>D06M 15 /-</u></b>               | <b><u>E02F 7 /-</u></b>  | <b><u>E04H 9 /-</u></b>                              | <b><u>E21B 23 /-</u></b>   | 2021374828<br>2021381956<br>2021385230<br>2021390578<br>2021427194               | <b><u>F04B 43 /-</u></b>               |
| 2021379575                             | 2021397398   | 2021386599   | 2021367992<br>2021368571<br>2021379686<br>2021385448<br>2021390578 |  | 2021364536<br>2021373897<br>2021375053 |
| <b><u>D21C 1 /-</u></b>                | <b><u>E02F 9 /-</u></b>  | <b><u>E05B 15 /-</u></b>                             | <b><u>E21B 25 /-</u></b>   | <b><u>E21C 37 /-</u></b>   | <b><u>F04B 45 /-</u></b>               |
| 2021374949<br>2021376216               | 2021366957<br>2021371931<br>2021375053<br>2021385325                             | 2021380516<br>2021380562                             | 2021368571   | 2021363985<br>2021363988<br>2021381956   | 2021373897<br>2021375053               |
| <b><u>D21C 3 /-</u></b>                | <b><u>E03C 1 /-</u></b>  | <b><u>E05B 19 /-</u></b>                             | <b><u>E21B 29 /-</u></b>   |  | <b><u>F04B 49 /-</u></b>               |
| 2021374949<br>2021376216               | 2021366457<br>2021380992   | 2021407635   | 2021390578   | <b><u>F01K 25 /-</u></b>   | 2021375053                             |
| <b><u>D21C 9 /-</u></b>                | <b><u>E03F 5 /-</u></b>  | <b><u>E05B 35 /-</u></b>                             | <b><u>E21B 31 /-</u></b>   | 2021404034   | <b><u>F04B 7 /-</u></b>                |
| 2021374949<br>2021376216               | 2021387675<br>2021388786   | 2020476710   | 2021368571   | <b><u>F01L 3 /-</u></b>  | 2021364536                             |
| <b><u>D21H 11 /-</u></b>               |  | <b><u>E05B 41 /-</u></b>                             | <b><u>E21B 33 /-</u></b>   | 2021383628   | <b><u>F04B 9 /-</u></b>                |
| 2021369739<br>2021374949<br>2021376216 |  | 2021376023   | 2021367992<br>2021379686<br>2021381925<br>2021385448<br>2021400988 | <b><u>F01M 9 /-</u></b>  | 2021364536                             |
| <b><u>D21H 17 /-</u></b>               | <b><u>E04B 1 /-</u></b>  | <b><u>E05B 47 /-</u></b>                             | <b><u>E21B 34 /-</u></b>   | 2021383628   | <b><u>F04D 1 /-</u></b>                |
| 2021369739                             | 2020482683<br>2020483169<br>2021371528<br>2021386599<br>2021388926               | 2021376023<br>2021380516<br>2021407635               |  | <b><u>F02B 19 /-</u></b>   | 2021390006                             |
| <b><u>E01B 35 /-</u></b>               | <b><u>E04B 2 /-</u></b>  | <b><u>E05B 63 /-</u></b>                             |  | 2021362753   | <b><u>F04D 13 /-</u></b>               |
| 2020481554                             | 2020482683<br>2020483169   | 2021380562   | 2021379686<br>2021385062<br>2021385448                             | <b><u>F02D 41 /-</u></b>   | 2021408337                             |
| <b><u>E01C 19 /-</u></b>               | <b><u>E04B 9 /-</u></b>  | <b><u>E05B 65 /-</u></b>                             | <b><u>E21B 4 /-</u></b>  | <b><u>F02D 9 /-</u></b>  | <b><u>F04D 15 /-</u></b>               |
| 2021385325                             | 2021360257<br>2021386599   | 2020476710<br>2021376023                             | 2021374828<br>2021384298   | 2021391506   | 2021408337                             |
| <b><u>E01F 7 /-</u></b>                | <b><u>E04D 13 /-</u></b>   | <b><u>E05F 15 /-</u></b>                             | <b><u>E21B 41 /-</u></b>   | <b><u>F02K 9 /-</u></b>  | <b><u>F04D 17 /-</u></b>               |
| 2021386419<br>2021388877               | 2021377369   | 2021376023   | 2021385062   | 2021363805<br>2021390034   | 2021390006                             |
|  |  |  |  |  | <b><u>F04D 25 /-</u></b>               |
|  |  |  |  |  | 2021390006                             |

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

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|--|--|--------------------------|--|--------------------------|--|
| <b>F04D 29 /-</b>                      | <b>F16C 33 /-</b>                      | <b>F16K 24 /-</b>        | <b>F17C 9 /-</b>                       | <b>F24F 6 /-</b>         | <b>F28D 20 /-</b>                      |
| 2021390006                             | 2021381874                             | 2021377198               | 2021383247                             | 2021368861               | 2021374729                             |
| <b>F15B 11 /-</b>                      | <b>F16D 1 /-</b>                       | <b>F16K 27 /-</b>        | <b>F17D 1 /-</b>                       | <b>F24F 7 /-</b>         | <b>F28D 7 /-</b>                       |
| 2021371310<br>2021375053<br>2022279525 | 2021382000                             | 2021366457<br>2021373289 | 2021391313                             | 2021396784               | 2022229578                             |
| <b>F15B 13 /-</b>                      | <b>F16D 121 /-</b>                     | <b>F16K 31 /-</b>        | <b>F17D 3 /-</b>                       | <b>F24H 1 /-</b>         | <b>F28F 1 /-</b>                       |
| 2021375053<br>2022279525               | 2022331907                             | 2021373289<br>2021377198 | 2021391313                             | 2022229578               | 2022229578                             |
| <b>F15B 15 /-</b>                      | <b>F16D 125 /-</b>                     | <b>F16K 37 /-</b>        | <b>F21S 8 /-</b>                       | <b>F24H 3 /-</b>         | <b>F28F 21 /-</b>                      |
| 2021366392                             | 2022331907                             | 2021394979               | 2021399848                             | 2021390034<br>2022229578 | 2021374494                             |
| <b>F15B 21 /-</b>                      | <b>F16D 3 /-</b>                       | <b>F16K 5 /-</b>         | <b>F21V 13 /-</b>                      | <b>F24H 6 /-</b>         | <b>F28F 25 /-</b>                      |
| 2022279525                             | 2021391506                             | 2021361055<br>2021373289 | 2021380855                             | 2022229578               | 2021382628                             |
| <b>F15B 5 /-</b>                       | <b>F16D 55 /-</b>                      | <b>F16K 7 /-</b>         | <b>F21V 21 /-</b>                      | <b>F24H 9 /-</b>         | <b>F41A 25 /-</b>                      |
| 2021366392                             | 2022331907                             | 2021373897               | 2021399848                             | 2021390034               | 2021382712                             |
| <b>F16B 12 /-</b>                      | <b>F16D 63 /-</b>                      | <b>F16L 101 /-</b>       | <b>F21W 131 /-</b>                     | <b>F24S 10 /-</b>        | <b>F41A 3 /-</b>                       |
| 2021394454                             | 2022331907                             | 2021390139               | 2021399848                             | 2021374494               | 2021382712                             |
| <b>F16B 21 /-</b>                      | <b>F16D 65 /-</b>                      | <b>F16L 11 /-</b>        | <b>F21Y 105 /-</b>                     | <b>F24T 10 /-</b>        | <b>F41A 33 /-</b>                      |
| 2021366957<br>2021385284               | 2021393378                             | 2021373614<br>2021380840 | 2021399848                             | 2021369759               | 2021385934                             |
| <b>F16B 31 /-</b>                      | <b>F16D 66 /-</b>                      | <b>F16L 15 /-</b>        | <b>F21Y 115 /-</b>                     | <b>F25D 27 /-</b>        | <b>F41C 23 /-</b>                      |
| 2021379551                             | 2021382150                             | 2021366457               | 2021399848                             | 2021368987               | 2021382712                             |
| <b>F16B 35 /-</b>                      | <b>F16F 1 /-</b>                       | <b>F16L 17 /-</b>        | <b>F23C 1 /-</b>                       | <b>F25J 1 /-</b>         | <b>F41G 1 /-</b>                       |
| 2021381049<br>2021390035               | 2021382712<br>2022207060               | 2021385284               | 2021427966<br>2021428797<br>2021429041 | 2021403415               | 2021368057                             |
| <b>F16B 37 /-</b>                      | <b>F16F 7 /-</b>                       | <b>F16L 21 /-</b>        | <b>F23D 17 /-</b>                      | <b>F27B 1 /-</b>         | <b>F41G 7 /-</b>                       |
| 2021379551                             | 2021382712                             | 2021385284<br>2022216690 | 2021428797<br>2021429041               | 2021392816               | 2021366148                             |
| <b>F16B 39 /-</b>                      | <b>F16G 13 /-</b>                      | <b>F16L 37 /-</b>        | <b>F23G 5 /-</b>                       | <b>F27B 17 /-</b>        | <b>F41H 11 /-</b>                      |
| 2021379551<br>2021390035               | 2022224660                             | 2021382634<br>2021385284 | 2021369648                             | 2021392609               | 2021386487                             |
| <b>F16B 43 /-</b>                      | <b>F16J 15 /-</b>                      | <b>F16L 47 /-</b>        | <b>F23J 7 /-</b>                       | <b>F27B 3 /-</b>         | <b>F41H 13 /-</b>                      |
| 2021379551                             | 2021382634<br>2021388062               | 2021382634               | 2021427966<br>2021428797<br>2021429041 | 2021387682               | 2021386487                             |
| <b>F16B 45 /-</b>                      | <b>F16K 1 /-</b>                       | <b>F16L 49 /-</b>        | <b>F24C 15 /-</b>                      | <b>F27D 99 /-</b>        | <b>F41H 11 /-</b>                      |
| 2021378928                             | 2021391506                             | 2022209180               | 2021418776                             | 2021387528               | 2021396582                             |
| <b>F16B 47 /-</b>                      | <b>F16K 15 /-</b>                      | <b>F16L 55 /-</b>        | <b>F24C 3 /-</b>                       | <b>F28C 1 /-</b>         | <b>F42B 3 /-</b>                       |
| 2021386111                             | 2021365774<br>2021366457<br>2021384746 | 2021377198<br>2021390139 | 2021395445                             | 2021382628               | 2021363985<br>2021363988<br>2021363989 |
| <b>F16B 5 /-</b>                       | <b>F16K 17 /-</b>                      | <b>F16L 59 /-</b>        | <b>F24F 13 /-</b>                      | <b>F28C 3 /-</b>         | <b>F42B 12 /-</b>                      |
| 2021394454                             | 2021373289<br>2021377198<br>2021384746 | 2021380840               | 2021368861<br>2021386447               | 2021382628               | 2021386487<br>2021396582               |
| <b>F16B 7 /-</b>                       |  | <b>F17C 3 /-</b>         | <b>F24F 3 /-</b>                       | <b>F28D 15 /-</b>        | <b>F42D 1 /-</b>                       |
| 2021375077                             |  | 2021385056               | 2022327802                             | 2021382628               | 2021363985<br>2021363988<br>2021363989 |
|  |  |                          |  |                          | <b>F42D 3 /-</b>                       |
|  |  |                          |  |                          | 2021363985                             |

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|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| 2021363988              | <b><u>G01N 11/-</u></b> | 2021405060              |                         | <b><u>G05B 19/-</u></b>  | 2021393370              |
| 2021363989              |                         | 2022207858              | <b><u>G01T 1/-</u></b>  |                          |                         |
|                         | 2021382048              | 2022214501              |                         | 2021376329               | <b><u>G06F 3/-</u></b>  |
| <b><u>G01B 11/-</u></b> |                         | 2022219922              | 2021368870              | 2021401213               |                         |
|                         | <b><u>G01N 15/-</u></b> |                         |                         | 2021401816               | 2021365044              |
| 2021369844              |                         | <b><u>G01N 35/-</u></b> | <b><u>G01V 1/-</u></b>  | <b><u>G05B 23/-</u></b>  | 2021366670              |
| 2021380980              | 2021386517              |                         |                         |                          | 2021401661              |
| 2021388028              | 2021387755              | 2021364539              | 2021382885              | 2021408337               | 2021408923              |
| 2021400865              |                         | 2021366390              | 2021404409              |                          |                         |
| 2021403139              | <b><u>G01N 21/-</u></b> | 2021371932              |                         |                          | <b><u>G06F 30/-</u></b> |
|                         |                         | 2021383626              | <b><u>G01V 5/-</u></b>  | <b><u>G05D 1/-</u></b>   |                         |
| <b><u>G01B 21/-</u></b> | 2020472581              |                         |                         |                          | 2021363805              |
|                         | 2021392609              | <b><u>G01P 3/-</u></b>  | 2021368870              | 2020478312               | 2021369673              |
| 2022283699              | 2021402070              |                         |                         | 2021366148               | 2021369836              |
|                         |                         | 2021375837              | <b><u>G02B 23/-</u></b> | 2021376026               | 2021372556              |
| <b><u>G01B 3/-</u></b>  | <b><u>G01N 25/-</u></b> | <b><u>G01R 1/-</u></b>  |                         | 2021376329               |                         |
|                         |                         |                         | 2021377160              | 2021386381               | <b><u>G06F 40/-</u></b> |
| 2021363761              | 2021369844              | 2021375486              | 2021381989              | 2021400865               |                         |
|                         |                         |                         | 2021388028              | 2021401209               | 2021370972              |
| <b><u>G01B 7/-</u></b>  | <b><u>G01N 27/-</u></b> | <b><u>G01R 22/-</u></b> | <b><u>G02B 27/-</u></b> | 2021403139               | 2021387987              |
|                         |                         |                         |                         | 2021414750               |                         |
| 2021382150              | 2021363573              | 2021402921              | 2021370920              | <b><u>G05D 7/-</u></b>   | 2021393370              |
| 2021439678              | 2021364335              |                         | 2021371438              |                          |                         |
|                         | 2021365666              | <b><u>G01R 27/-</u></b> | 2022226493              | 2021384746               | <b><u>G06F 8/-</u></b>  |
| <b><u>G01C 15/-</u></b> | 2021384884              |                         |                         |                          |                         |
|                         | 2021387755              | 2021388896              | <b><u>G02B 3/-</u></b>  | <b><u>G06E 1/-</u></b>   | 2021383940              |
| 2021403139              | 2021391930              |                         |                         |                          | 2021417923              |
|                         | 2021400588              | <b><u>G01R 29/-</u></b> | 2021397868              | 2021383742               |                         |
| <b><u>G01C 21/-</u></b> | 2021400865              |                         | 2021401816              |                          |                         |
|                         |                         | 2021403084              | <b><u>G02B 5/-</u></b>  | <b><u>G06F 1/-</u></b>   | <b><u>G06F 9/-</u></b>  |
| 2021389137              | <b><u>G01N 29/-</u></b> | 2021403085              |                         |                          |                         |
|                         |                         |                         | 2021370920              | 2021368639               | 2021393902              |
| <b><u>G01C 25/-</u></b> | 2021373590              | <b><u>G01R 31/-</u></b> | 2021377160              | 2021402921               | 2021393904              |
|                         | 2021377619              |                         |                         |                          | 2021398915              |
| 2021411355              | 2021382048              | 2021388896              | <b><u>G02B 6/-</u></b>  | <b><u>G06F 11/-</u></b>  | 2021401661              |
|                         |                         | 2022361894              |                         |                          |                         |
| <b><u>G01D 4/-</u></b>  | <b><u>G01N 3/-</u></b>  | <b><u>G01R 33/-</u></b> | 2021364832              | 2021392585               | <b><u>G06G 7/-</u></b>  |
|                         |                         |                         | 2021365659              | 2021398915               |                         |
| 2021402921              | 2021392609              | 2021401294              | 2021365910              | <b><u>G06F 113/-</u></b> | 2021388786              |
|                         |                         | 2021419211              | 2021367929              |                          | <b><u>G06K 17/-</u></b> |
| <b><u>G01F 11/-</u></b> | <b><u>G01N 30/-</u></b> |                         | 2021371438              | 2021363805               |                         |
|                         |                         | <b><u>G01S 13/-</u></b> | 2021375077              |                          | 2021470577              |
| 2021373897              | 2022209180              |                         | 2022226493              | <b><u>G06F 16/-</u></b>  | <b><u>G06K 19/-</u></b> |
|                         |                         | 2020476712              | <b><u>G02C 7/-</u></b>  |                          |                         |
| <b><u>G01K 13/-</u></b> | <b><u>G01N 33/-</u></b> | 2021376329              |                         | 2021358742               | 2021355517              |
|                         |                         | 2021439678              | 2021360299              | 2021364331               | 2021371932              |
| 2021372553              | 2021353915              |                         | 2022212761              | 2021368232               | 2021386467              |
| 2021400865              | 2021363573              | <b><u>G01S 15/-</u></b> |                         | 2021370972               | 2021388979              |
|                         | 2021364539              |                         | 2021418720              | 2021372556               |                         |
| <b><u>G01L 1/-</u></b>  | 2021365816              | <b><u>G01S 17/-</u></b> |                         | 2021379931               | <b><u>G06K 7/-</u></b>  |
|                         | 2021366504              |                         | 2022212761              | 2021381456               |                         |
| 2021394979              | 2021369203              | 2021376329              | 2022226493              | 2021393771               | 2021371932              |
|                         | 2021369448              |                         |                         | <b><u>G06F 17/-</u></b>  | 2021386467              |
| <b><u>G01L 3/-</u></b>  | 2021370222              | 2021398449              | <b><u>G03F 7/-</u></b>  |                          |                         |
|                         | 2021371064              | 2021400865              |                         | 2020472581               | <b><u>G06N 10/-</u></b> |
| 2021394979              | 2021377614              | 2021403139              | 2021400828              | 2020475551               |                         |
|                         | 2021381321              |                         |                         | 2021379672               | 2021365794              |
| <b><u>G01L 5/-</u></b>  | 2021381364              | <b><u>G01S 19/-</u></b> | <b><u>G03G 21/-</u></b> | 2021387987               | 2021380578              |
|                         | 2021383283              |                         |                         |                          | 2021391403              |
| 2021391739              | 2021383841              | 2021439678              | 2021428773              | <b><u>G06F 18/-</u></b>  | 2021401069              |
| 2021394979              | 2021385447              |                         |                         |                          | 2021409125              |
|                         | 2021385582              | <b><u>G01S 5/-</u></b>  | <b><u>G05B 11/-</u></b> | 2021377335               |                         |
| <b><u>G01M 3/-</u></b>  | 2021387969              |                         |                         | 2021393601               | <b><u>G06N 20/-</u></b> |
|                         | 2021390550              | 2021389137              | 2021402921              | 2021418742               |                         |
| 2021369759              | 2021390715              | 2021411803              |                         |                          | 2021352577              |
| 2021392478              | 2021390722              |                         | <b><u>G05B 13/-</u></b> | <b><u>G06F 21/-</u></b>  | 2021360581              |
|                         | 2021392648              | <b><u>G01S 7/-</u></b>  |                         |                          | 2021364331              |
|                         | 2021395061              |                         | 2021385325              | 2021379931               | 2021379783              |
| <b><u>G01M 99/-</u></b> | 2021400588              | 2021376329              | 2021401816              | 2021380646               | 2021386249              |
|                         | 2021400865              | 2021380980              |                         | 2021381456               | 2021391031              |
| 2021388449              | 2021401421              | 2021398449              |                         | 2021392585               | 2021392585              |
|                         | 2021401934              | 2021418720              |                         |                          | 2021401069              |
| <b><u>G01N 1/-</u></b>  | 2021400865              |                         |                         |                          |                         |
|                         | 2021401934              |                         |                         |                          |                         |
| 2021353915              | 2021401999              |                         |                         |                          |                         |
| 2021412877              | 2021402070              |                         |                         |                          |                         |

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| 2021417923               | 2021401069               | <b><u>G07C 9 /-</u></b>  |                          |                          | 2021415104                |
|                          | 2021401816               |                          |                          |                          | 2021415703                |
| <b><u>G06N 3 /-</u></b>  |                          | 2020476710               | 2021381395               | 2021372714               | 2021426616                |
|                          | <b><u>G06Q 99 /-</u></b> | 2021387793               | 2021393076               | 2022210417               | 2021431583                |
| 2021376172               |                          | 2021390569               | 2021393812               |                          |                           |
| 2021377335               | 2021412803               |                          | 2021395241               | <b><u>G21G 1 /-</u></b>  |                           |
| 2021379758               |                          |                          | 2021407525               |                          | <b><u>H01M 14 /-</u></b>  |
| 2021379783               | <b><u>G06T 1 /-</u></b>  | <b><u>G07F 13 /-</u></b> | 2022215644               | 2021376899               |                           |
| 2021387426               |                          |                          |                          | 2021378415               | 2021365666                |
| 2021390569               | 2020472581               | 2021388979               | <b><u>G16B 30 /-</u></b> | <b><u>H01F 17 /-</u></b> | <b><u>H01M 16 /-</u></b>  |
| 2021391031               |                          |                          |                          |                          |                           |
| 2021392646               | <b><u>G06T 11 /-</u></b> | <b><u>G08B 21 /-</u></b> | 2021387426               | 2021381964               | 2020479045                |
| 2021401069               |                          |                          |                          |                          |                           |
| 2021401816               | 2021376041               | 2021368987               | <b><u>G16B 35 /-</u></b> | <b><u>H01F 41 /-</u></b> | <b><u>H01M 4 /-</u></b>   |
| 2021419211               | 2021392638               | 2021373575               |                          |                          |                           |
|                          | 2021397309               | 2021388449               | 2021387426               | 2021381964               | 2021362763                |
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|                          | <b><u>G06T 13 /-</u></b> |                          |                          |                          | <b><u>H01M 50 /-</u></b>  |
| 2021352577               |                          | 2021381870               | 2021371039               | 2021379564               |                           |
| 2021379783               | 2021366670               |                          | 2021380964               |                          | 2021370099                |
| 2021391031               |                          | <b><u>G09B 29 /-</u></b> | 2021387426               | <b><u>H01G 9 /-</u></b>  | 2021386914                |
| 2021401816               | <b><u>G06T 15 /-</u></b> |                          | 2021393076               |                          |                           |
|                          |                          | 2021390549               | 2021393812               | 2021365135               | <b><u>H01M 6 /-</u></b>   |
| <b><u>G06Q 10 /-</u></b> | 2021364215               | <b><u>G09F 3 /-</u></b>  | 2021407525               | <b><u>H01H 3 /-</u></b>  | 2021365923                |
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| 2020479815               | <b><u>G06T 19 /-</u></b> | 2020476230               | <b><u>G16B 50 /-</u></b> | <b><u>H01H 31 /-</u></b> | <b><u>H01M 8 /-</u></b>   |
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| 2021368987               | 2021364215               |                          | 2021395241               | 2021388956               | 2021385564                |
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| 2021379931               | 2021418742               | <b><u>G10L 19 /-</u></b> | 2021371932               | 2021385056               | 2021397826                |
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| 2021374230               | 2021370993               | <b><u>G10L 21 /-</u></b> | 2021395241               | 2021426616               |                           |
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|                          | 2021393601               |                          |                          | 2021373322               | 2021386045                |
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Applications Accepted

Name Index

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(71) A.L.M Holding Company; Ergon Asphalt & Emulsions, Inc.  
 (11) AU-B-2022202528  
 (21) 2022202528 (22) 16.04.2022  
 (54) Crude sterol as an additive in asphalt binder  
 (51) Int. Cl.  
     **C08L 95/00** ( 2006.01 )  
     **A61K 31/56** ( 2006.01 )  
     **C08K 5/05** ( 2006.01 )  
     **E01C 1/00** ( 2006.01 )  
     **G01N 33/42** ( 2006.01 )  
 (43) 26.05.2022  
 (44) 22.06.2023  
 (62) 2016409899  
 (72) Reinke, Gerald H.; Baumgardner, Gaylon L.; Hanz, Andrew  
 (74) Dark IP

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(71) Abiomed Europe GmbH  
 (11) AU-B-2018262629  
 (21) 2018262629 (22) 03.05.2018  
 (54) Blood pump with reinforced catheter  
 (51) Int. Cl.  
     **A61M 60/135** ( 2021.01 )  
     **A61M 25/00** ( 2006.01 )  
 (87) WO2018/202775  
 (31) 17169486.2 (32) 04.05.17 (33) EP  
 (43) 08.11.2018  
 (44) 22.06.2023  
 (72) Siess, Thorsten; Kirchoff, Frank; Aboulhosn, Walid  
 (74) Spruson & Ferguson

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(71) Ablynx NV  
 (11) AU-B-2017216864  
 (21) 2017216864 (22) 10.02.2017  
 (54) Method for the production of immunoglobulin single variable domains  
 (51) Int. Cl.  
     **C07K 16/28** ( 2006.01 )  
     **C12N 5/10** ( 2006.01 )  
     **C12N 15/09** ( 2006.01 )  
     **C12P 21/02** ( 2006.01 )  
 (87) WO2017/137579  
 (31) 62/294,470 (32) 12.02.16 (33) US  
 (43) 17.08.2017  
 (44) 22.06.2023  
 (72) Schotte, Peter; De Groeve, Manu  
 (74) Spruson & Ferguson

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(71) Academisch Ziekenhuis Leiden h.o.d.n. LUMC; Universiteit Leiden  
 (11) AU-B-2017237643  
 (21) 2017237643 (22) 23.03.2017  
 (54) Methods for transfecting plants and for reducing random integration events  
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     **C12N 15/82** ( 2006.01 )  
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 TEM, GROUP MANAGEMENT METH-  
 OD AND CHANNEL SELECTION  
 METHOD THEREOF  
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*G05D 3/12* ( 2006.01 )  
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*A47L 11/40* ( 2006.01 )  
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*C12N 15/70* ( 2006.01 )  
*C07K 14/195* ( 2006.01 )  
*C12N 15/77* ( 2006.01 )  
*C12P 13/04* ( 2006.01 )  
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*F01N 3/035* ( 2006.01 )

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**(62)** 2019275303  
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**(74)** Griffith Hack

**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2020361766  
**(21)** 2020361766 **(22)** 06.10.2020  
**(54)** Oral care compositions and methods of use  
**(51)** Int. Cl.  
**A61K 8/44** ( 2006.01 )  
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**A61Q 11/00** ( 2006.01 )  
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**(74)** Spruson & Ferguson

**(71)** ConMed Corporation  
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**(51)** Int. Cl.  
**A61B 17/29** ( 2006.01 )  
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**(54)** Double targeted constructs to affect tumor kill  
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**A61K 51/08** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

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**(51)** Int. Cl.  
**H04L 9/08** ( 2006.01 )

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**(72)** Croall, Paul  
**(74)** Raven IP

**(71)** CRRC Yangtze Co., Ltd.  
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**(21)** 2020418789 **(22)** 28.07.2020  
**(54)** Vehicle frame, aerial transportation vehicle, and aerial rail container transportation method  
**(51)** Int. Cl.  
**B66C 17/20** ( 2006.01 )  
**B61B 3/02** ( 2006.01 )  
**B61D 3/20** ( 2006.01 )  
**B61D 45/00** ( 2006.01 )  
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**(54)** Goods transport facility  
**(51)** Int. Cl.  
**B65G 35/06** ( 2006.01 )  
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**(87)** WO2018/088012  
**(31)** 2016-221090 **(32)** 14.11.16 **(33)** JP  
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**Daikin Europe N.V. see Daikin Industries, Ltd.**  
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**(71)** Daikin Industries, Ltd.  
**(11)** AU-B-2020228229  
**(21)** 2020228229 **(22)** 26.02.2020  
**(54)** Information providing system  
**(51)** Int. Cl.  
**G01N 21/88** ( 2006.01 )  
**F24F 11/30** ( 2018.01 )  
**F24F 11/52** ( 2018.01 )  
**F24F 11/56** ( 2018.01 )  
**F24F 11/62** ( 2018.01 )

**F24F 11/64** ( 2018.01 )  
**F24F 11/89** ( 2018.01 )  
**F24F 13/22** ( 2006.01 )  
**G06T 7/90** ( 2017.01 )  
**(87)** WO2020/175589  
**(31)** 2019-034439 **(32)** 27.02.19 **(33)** JP  
**(43)** 03.09.2020  
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**(72)** INABA, Yoshinao  
**(74)** FB Rice Pty Ltd

**(71)** Daikin Industries, Ltd.; Daikin Europe N.V.  
**(11)** AU-B-2020349218  
**(21)** 2020349218 **(22)** 08.09.2020  
**(54)** Heat pump device  
**(51)** Int. Cl.  
**F25B 49/02** ( 2006.01 )  
**(87)** WO2021/054199  
**(31)** 2019-170547 **(32)** 19.09.19 **(33)** JP  
 2020-084423 13.05.20 JP  
**(43)** 25.03.2021  
**(44)** 22.06.2023  
**(72)** FUJIMOTO, Yuusuke; TOYOTA, Ryuuichi; TAOKA, Kentaroh; OHTANI, Atsushi; CORNELIS, Kevin; STEEN, David  
**(74)** FB Rice Pty Ltd

**(71)** Dart NeuroScience, LLC  
**(11)** AU-B-2018300091  
**(21)** 2018300091 **(22)** 11.07.2018  
**(54)** Substituted benzoxazole and benzofuran compounds as PDE7 inhibitors  
**(51)** Int. Cl.  
**C07D 491/04** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 498/04** ( 2006.01 )  
**(87)** WO2019/014305  
**(31)** 62/531,802 **(32)** 12.07.17 **(33)** US  
**(43)** 17.01.2019  
**(44)** 22.06.2023  
**(72)** SANTORA, Vincent John; CHEN, Mi; CHUNG, DeMichael  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Doka GmbH  
**(11)** AU-B-2018223908  
**(21)** 2018223908 **(22)** 23.02.2018  
**(54)** Method for erecting a concrete structure and climbing formwork  
**(51)** Int. Cl.  
**E04G 11/28** ( 2006.01 )  
**E04B 1/35** ( 2006.01 )  
**E04G 11/24** ( 2006.01 )  
**E04G 17/00** ( 2006.01 )  
**E04G 19/00** ( 2006.01 )  
**(87)** WO2018/154030  
**(31)** 15/442,331 **(32)** 24.02.17 **(33)** US  
**(43)** 30.08.2018  
**(44)** 22.06.2023  
**(72)** Grüber, Stefan  
**(74)** Spruson & Ferguson

**Dukat, H. see Mango Tree Jewelry Ltd**  
**(21)** 2017319777

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(71) Eaton Intelligent Power Limited  
 (11) AU-B-2018264092  
 (21) 2018264092 (22) 15.11.2018  
 (54) DEVICE FOR REDUCING FAULT ARCS IN AN ELECTRIC DISTRIBUTION UNIT  
 (51) Int. Cl.  
*H02H 9/04* ( 2006.01 )  
 (31) 10 2017 127 077.9 (32) 17.11.17 (33) DE  
 (43) 06.06.2019  
 (44) 22.06.2023  
 (72) Reuberger, George; Gattringer, Thomas  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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(71) Electricity North West Property Limited  
 (11) AU-B-2019239701  
 (21) 2019239701 (22) 25.03.2019  
 (54) System for frequency regulation on a power distribution network  
 (51) Int. Cl.  
*H02J 3/24* ( 2006.01 )  
*H02J 13/00* ( 2006.01 )  
 (87) WO2019/180275  
 (31) 18163615.0 (32) 23.03.18 (33) EP  
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 (43) 26.09.2019  
 (44) 22.06.2023  
 (72) COX, Steve  
 (74) Michael Buck IP

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(71) Electricity North West Property Limited  
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 (21) 2019239703 (22) 25.03.2019  
 (54) System for controlling power consumption on a distribution grid  
 (51) Int. Cl.  
*H02J 3/14* ( 2006.01 )  
*H02J 3/24* ( 2006.01 )  
*H02J 13/00* ( 2006.01 )  
 (87) WO2019/180277  
 (31) 18208641.3 (32) 27.11.18 (33) EP  
 18163617.6 23.03.18 EP  
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(71) Elekta Ltd.  
 (11) AU-B-2020330314  
 (21) 2020330314 (22) 27.03.2020  
 (54) Adaptive radiation therapy using composite imaging slices  
 (51) Int. Cl.  
*A61N 5/10* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*A61N 5/01* ( 2006.01 )  
*G06T 7/30* ( 2017.01 )  
 (87) WO2021/026634  
 (31) 62/886,030 (32) 13.08.19 (33) US  
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 (43) 18.02.2021

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 (72) LACHAINE, Martin Emile; HEBERT, Francois Paul George Rene  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2018300319

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(71) Emadikotak Lahidjani, M.; Emadikotak Lahidjani, D.  
 (11) AU-B-2018300319  
 (21) 2018300319 (22) 06.07.2018  
 (54) Aquatic shoes provided with a float for walking in water  
 (51) Int. Cl.  
*A63B 31/11* ( 2006.01 )  
*A63B 31/14* ( 2006.01 )  
*A01K 13/00* ( 2006.01 )  
 (87) WO2019/012397  
 (31) 17/70735 (32) 08.07.17 (33) FR  
 (43) 17.01.2019  
 (44) 22.06.2023  
 (72) EMADIKOTAK LAHIDJANI, Maxime; EMADIKOTAK LAHIDJANI, Darius  
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**Ergon Asphalt & Emulsions, Inc. see A.L.M Holding Company**  
 (21) 2022202528

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(71) ESCILAB SP. Z O.O.  
 (11) AU-B-2017365116  
 (21) 2017365116 (22) 24.11.2017  
 (54) Oral compositions comprising beta-escin for reducing acetaldehyde toxicity  
 (51) Int. Cl.  
*A61K 31/704* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 36/73* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
 (87) WO2018/096502  
 (31) 1619846.7 (32) 24.11.16 (33) GB  
 (43) 31.05.2018  
 (44) 22.06.2023  
 (72) Koziak, Katarzyna  
 (74) WRAYS PTY LTD

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(71) ESCO Group LLC  
 (11) AU-B-2023200147  
 (21) 2023200147 (22) 12.01.2023  
 (54) A wear part for earth working equipment  
 (51) Int. Cl.  
*E02F 9/28* ( 2006.01 )  
*F16C 11/00* ( 2006.01 )  
 (43) 09.02.2023  
 (44) 22.06.2023  
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 (72) Zenier, Scott H.; Roska, Michael B.; Hankland, Joel S.  
 (74) Minter Ellison

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(71) Eurofilters Holding N.V.  
 (11) AU-B-2020297918  
 (21) 2020297918 (22) 15.06.2020  
 (54) Vacuum-cleaner filter bag for a hand-held vacuum cleaner  
 (51) Int. Cl.  
*A47L 9/14* ( 2006.01 )  
 (87) WO2020/254235  
 (31) 19180533.2 (32) 17.06.19 (33) EP  
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 (74) Spruson & Ferguson

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(71) Fisher & Paykel Healthcare Limited  
 (11) AU-B-2017346325  
 (21) 2017346325 (22) 18.10.2017  
 (54) Valve module and filter  
 (51) Int. Cl.  
*A61M 16/08* ( 2006.01 )  
*A61M 16/10* ( 2006.01 )  
*A61M 16/20* ( 2006.01 )  
 (87) WO2018/074935  
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 (43) 26.04.2018  
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 (72) Van Schalkwyk, Andre; Kavermann, Stephen William; Donnelly, Jess Edward; Hawkins, Peter Geoffrey  
 (74) AJ PARK

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(71) Fisher & Paykel Healthcare Limited  
 (11) AU-B-2021221607  
 (21) 2021221607 (22) 25.08.2021  
 (54) TUBES FOR MEDICAL SYSTEMS  
 (51) Int. Cl.  
*A61M 16/08* ( 2006.01 )  
 (43) 16.09.2021  
 (44) 22.06.2023  
 (62) 2020203859  
 (72) Stoks, Elmo Benson; Mallinson, Jayananda  
 (74) AJ PARK

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-B-2020239789  
 (21) 2020239789 (22) 25.09.2020  
 (54) DELIVERING VARIABLE POSITIVE AIRWAY PRESSURE DEPENDING ON AWAKE STATE AND SLEEP DISORDERED BREATHING  
 (51) Int. Cl.  
*A61M 16/00* ( 2006.01 )  
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 (72) GERRED, Andrew Gordon; WHITING, David Robin  
 (74) AJ PARK

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 (11) AU-B-2017373828  
 (21) 2017373828 (22) 08.12.2017  
 (54) Hollow fibre membrane with improved separating efficiency, and production of a hollow fibre membrane with improved separating efficiency  
 (51) Int. Cl.  
*B01D 65/02* ( 2006.01 )  
*B01D 67/00* ( 2006.01 )  
*B01D 69/02* ( 2006.01 )  
*B01D 69/08* ( 2006.01 )  
*B01D 71/44* ( 2006.01 )  
*B01D 71/68* ( 2006.01 )  
 (87) WO2018/104498  
 (31) 10 2016 224 627.5 (32) 09.12.16 (33) DE  
 (43) 14.06.2018  
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 (72) Keller, Torsten; Paul, Michael; Sander, Roland  
 (74) Davies Collison Cave Pty Ltd

(71) Fresenius Medical Care Deutschland GmbH  
 (11) AU-B-2018251946  
 (21) 2018251946 (22) 10.04.2018  
 (54) Device for extracorporeal blood treatment and method for operating an extracorporeal blood treatment device  
 (51) Int. Cl.  
*A61M 1/16* ( 2006.01 )  
*H01L 23/473* ( 2006.01 )  
 (87) WO2018/189207  
 (31) 10 2017 003 508.3 (32) 11.04.17 (33) DE  
 (43) 18.10.2018  
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 (72) Glaser, Benedict  
 (74) Davies Collison Cave Pty Ltd

(71) Frito-Lay North America, Inc.  
 (11) AU-B-2018220580  
 (21) 2018220580 (22) 30.01.2018  
 (54) Apparatus and methods of packaging particulates for settling  
 (51) Int. Cl.  
*B65B 1/22* ( 2006.01 )  
 (87) WO2018/151934  
 (31) 15/436,345 (32) 17.02.17 (33) US  
 (43) 23.08.2018  
 (44) 22.06.2023  
 (72) Bierschenk, Patrick Joseph  
 (74) Allens Patent & Trade Mark Attorneys

(71) Fujikura Ltd.  
 (11) AU-B-2020347613  
 (21) 2020347613 (22) 13.07.2020  
 (54) OPTICAL FIBER ARRANGEMENT METHOD, OPTICAL FIBER FUSION SPLICING METHOD, METHOD FOR MANUFACTURING OPTICAL FIBER RIBBON WITH CONNECTOR, AND INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON  
 (51) Int. Cl.  
*G02B 6/245* ( 2006.01 )  
*G02B 6/25* ( 2006.01 )  
*G02B 6/255* ( 2006.01 )  
*G02B 6/44* ( 2006.01 )

*G02B 6/46* ( 2006.01 )  
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 (31) 2019-165999 (32) 12.09.19 (33) JP  
 (43) 18.03.2021  
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 (72) KANEKO, Soichiro; TOMIKAWA, Koji; OSATO, Ken; YAMASHITA, Noriaki  
 (74) Phillips Ormonde Fitzpatrick

(71) Fujitsu General Limited  
 (11) AU-B-2020323285  
 (21) 2020323285 (22) 26.06.2020  
 (54) Partition-wall-type heat exchanger  
 (51) Int. Cl.  
*F28D 9/02* ( 2006.01 )  
*F28F 3/06* ( 2006.01 )  
*F28F 3/08* ( 2006.01 )  
*F28F 13/08* ( 2006.01 )  
 (87) WO2021/019993  
 (31) 2019-139140 (32) 29.07.19 (33) JP  
 (43) 04.02.2021  
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 (74) Spruson & Ferguson

Gao, H. see Zhu, Z.  
 (21) 2017213744

(71) Gas Technology Institute  
 (11) AU-B-2018217734  
 (21) 2018217734 (22) 09.02.2018  
 (54) Power generation using hydrogen fuel with economical carbon dioxide capture  
 (51) Int. Cl.  
*B01J 7/00* ( 2006.01 )  
*B01J 20/00* ( 2006.01 )  
*C01B 3/40* ( 2006.01 )  
*C01B 3/56* ( 2006.01 )  
*F02B 43/10* ( 2006.01 )  
*F02M 21/02* ( 2006.01 )  
*F02M 27/02* ( 2006.01 )  
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 (31) 62/456,993 (32) 09.02.17 (33) US  
 (43) 16.08.2018  
 (44) 22.06.2023  
 (72) Subbaraman, Ganesan; Mays, Jeffrey A.; Stanis, Ronald J.  
 (74) Spruson & Ferguson

(71) Geron Corporation  
 (11) AU-B-2017305950  
 (21) 2017305950 (22) 28.07.2017  
 (54) Combination treatment for hematological cancers  
 (51) Int. Cl.  
*A61K 31/635* ( 2006.01 )  
*A61K 31/7125* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
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 (31) 62/370,018 (32) 02.08.16 (33) US  
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 (74) FB Rice Pty Ltd

(71) Glia, LLC  
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 (54) Treatment of symptoms related to neurodegenerative disorders through pharmacological dermal activation of cranial nerves  
 (51) Int. Cl.  
*A61K 31/352* ( 2006.01 )  
*A61K 31/57* ( 2006.01 )  
 (87) WO2018/048789  
 (31) 62/384,458 (32) 07.09.16 (33) US  
 (43) 15.03.2018  
 (44) 22.06.2023  
 (72) Chang, Wei-Wei; Sawyer, Kenneth I.  
 (74) Eagar & Associates Pty Ltd

(71) Gliknik Inc.; University of Maryland, Baltimore  
 (11) AU-B-2020220179  
 (21) 2020220179 (22) 21.08.2020  
 (54) Immunoglobulin constant region FC receptor binding agents  
 (51) Int. Cl.  
*C07K 16/06* ( 2006.01 )  
 (43) 10.09.2020  
 (44) 22.06.2023  
 (62) 2018201340  
 (72) Block, David S.; Schulze, Dan H.; Strome, Scott E.; Olsen, Henrik  
 (74) Allens Patent & Trade Mark Attorneys

(71) Glory Ltd.  
 (11) AU-B-2021203813  
 (21) 2021203813 (22) 09.06.2021  
 (54) Money handling apparatus and money handling method  
 (51) Int. Cl.  
*G07D 11/12* ( 2019.01 )  
*G07D 9/00* ( 2006.01 )  
*G07D 11/24* ( 2019.01 )  
*G07F 9/00* ( 2006.01 )  
 (31) 2020-102513 (32) 12.06.20 (33) JP  
 (43) 06.01.2022  
 (44) 22.06.2023  
 (72) NISHIMURA, Kazuaki  
 (74) Griffith Hack

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
 (11) AU-B-2020255008  
 (21) 2020255008 (22) 16.03.2020  
 (54) Apparatus and method for transmission power control of same  
 (51) Int. Cl.  
*H04W 72/00* ( 2009.01 )  
 (87) WO2020/199903  
 (31) 62/827,287 (32) 01.04.19 (33) US  
 (43) 08.10.2020  
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 (72) LIN, Hwei-Ming  
 (74) Davies Collison Cave Pty Ltd

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(71) Guodian United Power Technology Company Ltd.  
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 (21) 2018300485 (22) 29.06.2018  
 (54) Ocean tidal current energy power generating system  
 (51) Int. Cl.  
*F03B 13/26* ( 2006.01 )  
 (87) WO2019/011134  
 (31) 201710576212.8 (32) 14.07.17 (33) CN  
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 (72) Chu, Jingchun; Yuan, Ling; Jia, Fayong; Pan, Lei; Wang, Ting  
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (11) AU-B-2017374799  
 (21) 2017374799 (22) 22.11.2017  
 (54) Deposition of a coating on an interconnect for solid oxide cell stacks  
 (51) Int. Cl.  
*C25D 5/10* ( 2006.01 )  
*C23C 18/54* ( 2006.01 )  
*C25D 5/12* ( 2006.01 )  
*H01M 8/0208* ( 2016.01 )  
*H01M 8/0228* ( 2016.01 )  
 (87) WO2018/108471  
 (31) PA 2016 00771 (32) 16.12.16 (33) DK  
 (43) 21.06.2018  
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 (72) Nørby, Tobias Holt; Blennow, Bengt Peter Gustav; Küngas, Rainer; Rass-Hansen, Jeppe; Heiredal-Clausen, Thomas  
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(71) Haldor Topsøe A/S  
 (11) AU-B-2018217751  
 (21) 2018217751 (22) 26.01.2018  
 (54) A method for the hydroprocessing of renewable feeds  
 (51) Int. Cl.  
*C10G 3/00* ( 2006.01 )  
*C10G 75/00* ( 2006.01 )  
 (87) WO2018/145923  
 (31) 62/457,432 (32) 10.02.17 (33) US  
 62/571,882 13.10.17 US  
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 (72) Low, Gordon Gongngai; Stupin, Steven W.  
 (74) Griffith Hack

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 (21) 2017440030 (22) 17.11.2017  
 (54) Actuator for multilateral wellbore system  
 (51) Int. Cl.  
*E21B 41/00* ( 2006.01 )  
*E21B 17/00* ( 2006.01 )  
*E21B 23/08* ( 2006.01 )  
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 (72) STEELE, David Joe  
 (74) Spruson & Ferguson

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(71) HONEYWELL INTERNATIONAL INC.  
 (11) AU-B-2021290259  
 (21) 2021290259 (22) 21.12.2021  
 (54) MULTIPLE NETWORK REDUNDANCY PROTOCOLS FOR DATA FLOW USING THE SAME PHYSICAL INTERFACE  
 (51) Int. Cl.  
*H04L 12/40* ( 2006.01 )  
*G05B 9/03* ( 2006.01 )  
*G05B 19/042* ( 2006.01 )  
 (31) 17/139,716 (32) 31.12.20 (33) US  
 (43) 14.07.2022  
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 (72) Haridas, Harshal S; Felix, Joseph Pradeep; Gustin, Jay William; McLaughlin, Paul Francis; Urso, Jason Thomas  
 (74) FPA Patent Attorneys Pty Ltd

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 (11) AU-B-2020454270  
 (21) 2020454270 (22) 18.06.2020  
 (54) Converter control method, converter, and photovoltaic power generation system  
 (51) Int. Cl.  
*H02M 3/156* ( 2006.01 )  
 (87) WO2021/253352  
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 (72) GU, Guilei; XU, Zhiwu; WANG, Yu  
 (74) Phillips Ormonde Fitzpatrick

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 (11) AU-B-2020455830  
 (21) 2020455830 (22) 03.07.2020  
 (54) POWER BACKFEED CONTROL METHOD, CONVERTER, AND PHOTOVOLTAIC POWER GENERATION SYSTEM  
 (51) Int. Cl.  
*H02S 50/15* ( 2014.01 )  
*H02S 50/10* ( 2014.01 )  
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 (72) XU, Fei; YU, Xinyu; XIN, Kai; WANG, Jianqiang  
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 (21) 2019469004 (22) 30.09.2019  
 (54) Power adjustment method and apparatus  
 (51) Int. Cl.  
*H04W 52/14* ( 2009.01 )  
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 (21) 2017410250 (22) 22.04.2017  
 (54) Device for generating hydrogen gas  
 (51) Int. Cl.  
*C01B 3/06* ( 2006.01 )  
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 (43) 25.10.2018  
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 (72) Chia, Chin Yang; Yee, Yoke Keen; Ng, Albert Kok Foo  
 (74) Pangaea IP Consultants

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 (11) AU-B-2021277752  
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 (54) EMAILING OR TEXTING AS COMMUNICATION BETWEEN MOBILE DEVICE AND EGM  
 (51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
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 (21) 2021202677 (22) 29.04.2021  
 (54) Kinetic Exclusion Amplification Of Nucleic Acid Libraries  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
*G01N 27/447* ( 2006.01 )  
 (43) 27.05.2021  
 (44) 22.06.2023  
 (62) 2018253621  
 (72) SHEN, Min-Jui Richard; BOUTELL, Jonathan Mark; STEPHENS, Kathryn M; RONAGHI, Mostafa; GUNDERSON, Kevin L; BOWEN, M. Shane; VIJAYAN, Kandaswamy  
 (74) WRAYS PTY LTD

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(71) Inari Medical, Inc.  
 (11) AU-B-2019321256  
 (21) 2019321256 (22) 08.08.2019  
 (54) System for treating embolism and associated devices and methods  
 (51) Int. Cl.  
*A61B 17/22* ( 2006.01 )  
*A61B 17/221* ( 2006.01 )  
*A61B 17/3207* ( 2006.01 )  
*A61M 25/02* ( 2006.01 )  
*A61M 25/08* ( 2006.01 )  
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**D21H 17/00** ( 2006.01 )  
**D21H 17/67** ( 2006.01 )  
**D21H 17/68** ( 2006.01 )  
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**A61K 31/426** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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**G10L 21/034** ( 2013.01 )  
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hydride  
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**A63B 22/08** ( 2006.01 )  
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of hymenoptera envenomation, its com-  
plications and pathological conditions  
causing hemolysis, kidney damage, or  
cerebral edema  
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blend of three different types of bristles  
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**G06T 7/33** ( 2017.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys

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*A61K 39/08* ( 2006.01 )  
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 (51) Int. Cl.  
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*H05B 1/02* ( 2006.01 )  
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     C07D 311/92 ( 2006.01 )  
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     C08K 5/1545 ( 2006.01 )  
     C09B 57/00 ( 2006.01 )  
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*A01P 7/04* ( 2006.01 )  
*A01P 19/00* ( 2006.01 )  
*C05B 1/00* ( 2006.01 )  
*C05D 3/02* ( 2006.01 )  
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 (43) 16.07.2020  
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 (74) Griffith Hack

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 (54) Fibre-forming plate  
 (51) Int. Cl.  
     C03B 37/04 ( 2006.01 )  
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 (31) 1770744 (32) 11.07.17 (33) FR  
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 (74) Griffith Hack

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 (21) 2022273817 (22) 13.05.2022  
 (54) Enzyme variants and uses thereof  
 (51) Int. Cl.  
     C12N 9/18 ( 2006.01 )  
     C08J 11/10 ( 2006.01 )  
 (87) WO2022/236377  
 (31) 2021901431 (32) 13.05.21 (33) AU  
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 (74) Davies Collison Cave Pty Ltd

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(71) Schneider Electric Industries SAS  
 (11) AU-B-2022202697  
 (21) 2022202697 (22) 22.04.2022  
 (54) SPRING MECHANISM USED FOR DUAL POWER TRANSFER SWITCH AND DUAL POWER TRANSFER SWITCH  
 (51) Int. Cl.  
     H01H 3/30 ( 2006.01 )  
     F16F 1/12 ( 2006.01 )  
     H01H 9/16 ( 2006.01 )  
     H02J 9/06 ( 2006.01 )  
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 (43) 10.11.2022  
 (44) 22.06.2023  
 (72) Zhou, Junjie; Xie, Xi; Wang, Xiaoqin  
 (74) Madderns Pty Ltd

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 (21) 2019412420 (22) 27.12.2019  
 (54) Surgical navigation system

(51) Int. Cl.  
     A61B 34/20 ( 2016.01 )  
 (87) WO2020/135785  
 (31) 201811644912.7 (32) 29.12.18 (33) CN  
 (43) 02.07.2020  
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 (54) Fluid delivery apparatus having a gas extraction device and method of use  
 (51) Int. Cl.  
     A61M 5/142 ( 2006.01 )  
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     A61M 5/31 ( 2006.01 )  
     A61M 37/00 ( 2006.01 )  
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 (43) 21.06.2018  
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 (21) 2018261600 (22) 30.04.2018  
 (54) Animal feed compositions and methods of use  
 (51) Int. Cl.  
     A23K 20/189 ( 2016.01 )  
     A23K 50/10 ( 2016.01 )  
     C12N 9/24 ( 2006.01 )  
     C12N 15/82 ( 2006.01 )  
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 (31) 62/492,609 (32) 01.05.17 (33) US  
 (43) 08.11.2018  
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 (72) Drouillard, James S.; Horton, Lucas Michael  
 (74) Davies Collison Cave Pty Ltd

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(71) Synthetic Genomics, Inc.  
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 (54) Genetic modulation of photosynthetic organisms for improved growth  
 (51) Int. Cl.  
     C12N 15/82 ( 2006.01 )  
     C07K 14/405 ( 2006.01 )  
     C12N 1/12 ( 2006.01 )  
 (87) WO2019/133726  
 (31) 62/690,205 (32) 26.06.18 (33) US  
                     62/612,251 29.12.17 US  
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 (74) FB Rice Pty Ltd

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(71) Tencent America LLC  
 (11) AU-B-2020238853  
 (21) 2020238853 (22) 06.03.2020  
 (54) Unified block vector prediction for intra picture block compensation  
 (51) Int. Cl.  
*H04N 19/56* (2014.01)  
*H04N 19/137* (2014.01)  
*H04N 19/139* (2014.01)  
*H04N 19/159* (2014.01)  
*H04N 19/176* (2014.01)  
*H04N 19/18* (2014.01)  
*H04N 19/44* (2014.01)  
*H04N 19/50* (2014.01)  
*H04N 19/513* (2014.01)  
 (87) WO2020/185602  
 (31) 62/816,051 (32) 08.03.19 (33) US  
 16/531,827 05.08.19 US  
 (43) 17.09.2020  
 (44) 22.06.2023  
 (72) XU, Xiaozhong; LI, Xiang; LIU, Shan  
 (74) Phillips Ormonde Fitzpatrick

(71) Tencent America LLC  
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 (21) 2020269390 (22) 04.05.2020  
 (54) Method and apparatus for signaling predictor candidate list size  
 (51) Int. Cl.  
*H04N 19/103* (2014.01)  
*H04N 19/105* (2014.01)  
*H04N 19/107* (2014.01)  
*H04N 19/109* (2014.01)  
 (87) WO2020/227204  
 (31) 62/845,712 (32) 09.05.19 (33) US  
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 (43) 12.11.2020  
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 (74) Golja Haines & Friend

(71) Tetra Laval Holdings & Finance S.A.  
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 (21) 2017380943 (22) 23.11.2017  
 (54) Discharge valve  
 (51) Int. Cl.  
*F16K 1/20* (2006.01)  
*B65D 90/62* (2006.01)  
*F16K 27/02* (2006.01)  
 (87) WO2018/114199  
 (31) 16206032.1 (32) 21.12.16 (33) EP  
 (43) 28.06.2018  
 (44) 22.06.2023  
 (72) Odet, Frédéric; Malecot, Blandine; Lorry, Florent  
 (74) Griffith Hack

(71) The Corporation of Trinity House of Deptford Strond  
 (11) AU-B-2019273765  
 (21) 2019273765 (22) 23.05.2019  
 (54) A positioning system and method  
 (51) Int. Cl.  
*G01C 21/20* (2006.01)  
*B63B 49/00* (2006.01)  
*G01C 21/22* (2006.01)  
*G01S 5/00* (2006.01)

*G02B 23/00* (2006.01)  
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 (31) 1808480.6 (32) 23.05.18 (33) GB  
 (43) 28.11.2019  
 (44) 22.06.2023  
 (72) BRANSBY, Martin  
 (74) Ellis Terry

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 (11) AU-B-2017306038  
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 (54) Anti-KRAS-G12D T cell receptors  
 (51) Int. Cl.  
*C07K 14/725* (2006.01)  
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(71) The University of Sydney  
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 (21) 2017315325 (22) 22.08.2017  
 (54) Optical RF spectrum analyser  
 (51) Int. Cl.  
*G01R 23/17* (2006.01)  
 (87) WO2018/035560  
 (31) 2016903330 (32) 22.08.16 (33) AU  
 (43) 01.03.2018  
 (44) 22.06.2023  
 (72) Song, Shijie; Yi, Xiaoke  
 (74) Spruson & Ferguson

(71) thyssenkrupp nucera AG & Co. KGaA  
 (11) AU-B-2020397092  
 (21) 2020397092 (22) 23.11.2020  
 (54) Use of a textile, zero-gap electrolytic cell and production process therefor  
 (51) Int. Cl.  
*C25B 1/46* (2006.01)  
*C25B 1/04* (2021.01)  
*C25B 9/19* (2021.01)  
*C25B 9/65* (2021.01)  
*C25B 9/73* (2021.01)  
 (87) WO2021/110457  
 (31) 10 2019 219 027.8 (32) 06.12.19 (33) DE  
 (43) 10.06.2021  
 (44) 22.06.2023  
 (72) AUSTENFELD, Sebastian; WAGNER, Michael; TOROS, Peter; WOLTERING, Peter  
 (74) Griffith Hack

(71) TiCARos Co., Ltd  
 (11) AU-B-2021318297  
 (21) 2021318297 (22) 28.07.2021  
 (54) Chimeric antigen receptor (CAR) T cell stabilizing immune synapse  
 (51) Int. Cl.  
*C07K 14/705* (2006.01)  
*A61K 35/17* (2015.01)

*A61P 35/00* (2006.01)  
*C07K 16/28* (2006.01)  
*C12N 5/0783* (2010.01)  
*C12N 15/86* (2006.01)  
 (87) WO2022/025638  
 (31) 10-2020-0094624 (32) 29.07.20 (33) KR  
 (43) 03.02.2022  
 (44) 22.06.2023  
 (72) CHOI, Kyungho; CHOI, Eun-Young; NAM, Giri; PARK, Hyung-Bae; LEE, Ji-Eun; YEON, Hye-Ran  
 (74) WRAYS PTY LTD

(71) Tokuyama Dental Corporation  
 (11) AU-B-2017321653  
 (21) 2017321653 (22) 30.08.2017  
 (54) Photocurable composition  
 (51) Int. Cl.  
*A61K 6/16* (2020.01)  
*A61K 6/17* (2020.01)  
*A61K 6/76* (2020.01)  
*A61K 6/887* (2020.01)  
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 (31) 2016-169468 (32) 31.08.16 (33) JP  
 (43) 08.03.2018  
 (44) 22.06.2023  
 (72) Fukudome, Keishi; Akizumi, Hironobu  
 (74) Griffith Hack

(71) Tolmar International, Ltd.  
 (11) AU-B-2020262383  
 (21) 2020262383 (22) 21.04.2020  
 (54) Method of treating a child with Central Precocious Puberty using an extended release composition  
 (51) Int. Cl.  
*A61K 9/00* (2006.01)  
*A61K 38/09* (2006.01)  
*A61K 47/34* (2017.01)  
*A61P 5/02* (2006.01)  
 (87) WO2020/217170  
 (31) 62/837,094 (32) 22.04.19 (33) US  
 16/451,625 25.06.19 US  
 (43) 29.10.2020  
 (44) 22.06.2023  
 (72) NANGIA, Avinash; MCLANE, John Arthur  
 (74) FB Rice Pty Ltd

(71) Transking Corporation Pty Limited  
 (11) AU-B-2018220092  
 (21) 2018220092 (22) 23.08.2018  
 (54) A winch assembly  
 (51) Int. Cl.  
*B66D 1/04* (2006.01)  
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 (43) 23.01.2020  
 (44) 22.06.2023  
 (72) King, Lindsay Alexander  
 (74) Spruson & Ferguson

(71) Trécé Inc.  
 (11) AU-B-2020261440  
 (21) 2020261440 (22) 27.04.2020  
 (54) Pest control including combined mating disruption and trapping  
 (51) Int. Cl.

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**A01M 1/02** ( 2006.01 )  
**A01N 25/02** ( 2006.01 )  
**A01P 17/00** ( 2006.01 )  
**A01P 19/00** ( 2006.01 )  
**(87)** WO2020/220022  
**(31)** 62/839,141 **(32)** 26.04.19 **(33)** US  
PCT/ 08.05.19 US  
US2019/031386  
62/956,891 03.01.20 US  
16/800,821 25.02.20 US  
**(43)** 29.10.2020  
**(44)** 22.06.2023  
**(72)** LINGREN, Bill; CHEBNEY, Vincent;  
MCKINNEY, Valerie  
**(74)** WRAYS PTY LTD

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enhuis Leiden h.o.d.n. LUMC  
**(21)** 2017237643

University of Maryland, Baltimore see  
Gliknik Inc.  
**(21)** 2020220179

**(71)** Valent BioSciences LLC  
**(11)** AU-B-2018243276  
**(21)** 2018243276 **(22)** 29.03.2018  
**(54)** 1-amino-1-cyclopropanecarboxylic acid  
hydrochloride formulations  
**(51)** Int. Cl.  
**A61K 31/192** ( 2006.01 )  
**A61K 31/343** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
**(87)** WO2018/183674  
**(31)** 62/479,524 **(32)** 31.03.17 **(33)** US  
**(43)** 04.10.2018  
**(44)** 22.06.2023  
**(72)** Sasakawa, Mitsuhiro; Sharma,  
Parvesh; Devisetty, Bala N.  
**(74)** Spruson & Ferguson

**(71)** Valent BioSciences LLC  
**(11)** AU-B-2018243281  
**(21)** 2018243281 **(22)** 29.03.2018  
**(54)** 1-amino-1-cyclopropanecarboxylic acid  
formulations  
**(51)** Int. Cl.  
**A61K 31/192** ( 2006.01 )  
**A61K 31/343** ( 2006.01 )  
**A61K 31/415** ( 2006.01 )  
**(87)** WO2018/183680  
**(31)** 62/479,540 **(32)** 31.03.17 **(33)** US  
**(43)** 04.10.2018  
**(44)** 22.06.2023  
**(72)** Sharma, Parvesh; Sasakawa, Mit-  
suhiro; Silverman, Franklin Paul; Bel-  
kind, Benjamin A.  
**(74)** Spruson & Ferguson

**(71)** Valmont Industries, Inc.  
**(11)** AU-B-2018273713  
**(21)** 2018273713 **(22)** 09.05.2018  
**(54)** System and method for soil moisture  
monitoring and irrigation mapping  
**(51)** Int. Cl.

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**A01G 25/16** ( 2006.01 )  
**G01N 23/20** ( 2018.01 )  
**G01N 23/202** ( 2006.01 )  
**G01N 23/204** ( 2006.01 )  
**G01T 3/00** ( 2006.01 )  
**G01T 3/06** ( 2006.01 )  
**(87)** WO2018/217453  
**(31)** 62/511,414 **(32)** 26.05.17 **(33)** US  
**(43)** 29.11.2018  
**(44)** 22.06.2023  
**(72)** Larue, Jacob L.  
**(74)** James & Wells Intellectual Property

**(71)** VIDEO GAMING TECHNOLOGIES,  
INC.  
**(11)** AU-B-2021202528  
**(21)** 2021202528 **(22)** 23.04.2021  
**(54)** System and method for providing a  
game with dynamic symbol stacking  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 27.05.2021  
**(44)** 22.06.2023  
**(62)** 2019202726  
**(72)** CUDDY, Ryan; NELSON, Lyndsay  
**(74)** Griffith Hack

**(71)** View, Inc.  
**(11)** AU-B-2021215134  
**(21)** 2021215134 **(22)** 10.08.2021  
**(54)** Multiple interacting systems at a site  
**(51)** Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**G06F 17/00** ( 2019.01 )  
**(43)** 02.09.2021  
**(44)** 22.06.2023  
**(62)** 2015360714  
**(72)** Shrivastava, Dhairya; Brown, Stephen  
C.; Cadet, Ronald F.  
**(74)** Spruson & Ferguson

**(71)** Vinidex Pty Limited; F.B.Balzanelli  
Avvolgitori s.p.A.  
**(11)** AU-B-2017292903  
**(21)** 2017292903 **(22)** 07.07.2017  
**(54)** A method and an apparatus for coiling  
plastic pipe  
**(51)** Int. Cl.  
**B65H 19/30** ( 2006.01 )  
**B65H 23/00** ( 2006.01 )  
**B65H 54/28** ( 2006.01 )  
**B65H 75/24** ( 2006.01 )  
**B65H 75/28** ( 2006.01 )  
**(87)** WO2018/006136  
**(31)** 2016902685 **(32)** 08.07.16 **(33)** AU  
**(43)** 11.01.2018  
**(44)** 22.06.2023  
**(72)** Feros, Nicholas; Wood, Steven Robert;  
Balzanelli, Alessandro; Fiumefreddo,  
Diego  
**(74)** Halfords IP

**(71)** Visa International Service Association  
**(11)** AU-B-2022202133  
**(21)** 2022202133 **(22)** 29.03.2022

**(54)** Systems and methods for creating a  
universal record  
**(51)** Int. Cl.  
**G06F 15/16** ( 2006.01 )  
**(43)** 14.04.2022  
**(44)** 22.06.2023  
**(62)** 2017355448  
**(72)** THEKADATH, Ajith; MUKHERJEE, Su-  
man  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Vitro Flat Glass LLC  
**(11)** AU-B-2018310989  
**(21)** 2018310989 **(22)** 02.08.2018  
**(54)** Flash annealing of transparent conduct-  
ive oxide and semiconductor coatings  
**(51)** Int. Cl.  
**H01B 1/00** ( 2006.01 )  
**C03C 17/22** ( 2006.01 )  
**C03C 17/245** ( 2006.01 )  
**C03C 17/34** ( 2006.01 )  
**(87)** WO2019/028287  
**(31)** 15/669,225 **(32)** 04.08.17 **(33)** US  
**(43)** 07.02.2019  
**(44)** 22.06.2023  
**(72)** GANJOO, Ashtosh; FISHER, Patrick;  
NARAYANAN, Sudarshan  
**(74)** Spruson & Ferguson

**(71)** Vivid Surgical Pty Ltd  
**(11)** AU-B-2017358069  
**(21)** 2017358069 **(22)** 14.11.2017  
**(54)** Alignment apparatus for use in surgery  
**(51)** Int. Cl.  
**A61B 5/107** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 17/92** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**A61F 2/46** ( 2006.01 )  
**(87)** WO2018/085900  
**(31)** 2016904640 **(32)** 14.11.16 **(33)** AU  
**(43)** 17.05.2018  
**(44)** 22.06.2023  
**(72)** Walter, William L.; Marsden-Jones,  
Daniel  
**(74)** FB Rice Pty Ltd

**(71)** Vivo Mobile Communication Co., Ltd.  
**(11)** AU-B-2020310275  
**(21)** 2020310275 **(22)** 03.07.2020  
**(54)** Method for Supporting Port Control and  
Device  
**(51)** Int. Cl.  
**H04W 92/00** ( 2009.01 )  
**H04W 24/02** ( 2009.01 )  
**H04W 92/04** ( 2009.01 )  
**(87)** WO2021/004393  
**(31)** 201910606117.7 **(32)** 05.07.19 **(33)** CN  
**(43)** 14.01.2021  
**(44)** 22.06.2023  
**(72)** KE, Xiaowan  
**(74)** Adams Pluck

**(71)** Vivo Mobile Communication Co., Ltd.  
**(11)** AU-B-2020332428  
**(21)** 2020332428 **(22)** 21.07.2020

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(54) Radio frequency front-end circuit and mobile terminal  
 (51) Int. Cl.  
*H04B 1/40* ( 2015.01 )  
*H04B 1/44* ( 2006.01 )  
 (87) WO2021/031771  
 (31) 201910757149.7 (32) 16.08.19 (33) CN  
 (43) 25.02.2021  
 (44) 22.06.2023  
 (72) SHENG, Xuefeng  
 (74) Adams Pluck

(71) VMware, Inc.  
 (11) AU-B-2020336161  
 (21) 2020336161 (22) 25.07.2020  
 (54) Providing recommendations for implementing virtual networks  
 (51) Int. Cl.  
*H04L 9/40* ( 2022.01 )  
*H04L 12/46* ( 2006.01 )  
*H04L 45/12* ( 2022.01 )  
*H04L 45/64* ( 2022.01 )  
 (87) WO2021/040934  
 (31) 16/662,379 (32) 24.10.19 (33) US  
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 (43) 04.03.2021  
 (44) 22.06.2023  
 (72) CIDON, Israel; VENUGOPAL, Prashanth; BERGMAN, Aran; DAR, Chen; MARKUZE, Alex; ZOHAR, Eyal  
 (74) FB Rice Pty Ltd

(71) Waboba AB  
 (11) AU-B-2018444272  
 (21) 2018444272 (22) 04.10.2018  
 (54) Disc shaped throwing object  
 (51) Int. Cl.  
*A63H 33/18* ( 2006.01 )  
 (87) WO2020/071973  
 (43) 09.04.2020  
 (44) 22.06.2023  
 (72) VON HELAND, Axel  
 (74) Griffith Hack

(71) Washington University  
 (11) AU-B-2017337133  
 (21) 2017337133 (22) 02.10.2017  
 (54) Compositions comprising a modified GlcNAc-1-phosphotransferase and methods of use thereof  
 (51) Int. Cl.  
*C12N 9/12* ( 2006.01 )  
*C12N 9/24* ( 2006.01 )  
 (87) WO2018/064667  
 (31) 62/402,468 (32) 30.09.16 (33) US  
 (43) 05.04.2018

(44) 22.06.2023  
 (72) Kornfeld, Stuart; Liu, Lin; Lee, Wang; Doray, Balraj  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) Waymo LLC  
 (11) AU-B-2022200422  
 (21) 2022200422 (22) 21.01.2022  
 (54) COMMUNICATIONS FOR AUTONOMOUS VEHICLES  
 (51) Int. Cl.  
*B60W 60/00* ( 2020.01 )  
*B60Q 1/08* ( 2006.01 )  
*B60Q 5/00* ( 2006.01 )  
*B60W 40/02* ( 2006.01 )  
*B60W 50/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
 (43) 17.02.2022  
 (44) 22.06.2023  
 (62) 2020237426  
 (72) PANDIT, Salil; MERCAY, Julien; WRIGHT, Clement  
 (74) RnB IP Pty Ltd

(71) Willow Innovations, Inc.  
 (11) AU-B-2021205014  
 (21) 2021205014 (22) 13.07.2021  
 (54) Breast pump system and methods  
 (51) Int. Cl.  
*A61M 1/06* ( 2006.01 )  
 (43) 12.08.2021  
 (44) 22.06.2023  
 (62) 2019210590  
 (72) Makower, Joshua; Chang, John Y.; Donohoe, Brendan M.; Wang, Sharon Lam; Torosis, Michele; Bright II, Earl  
 (74) Davies Collison Cave Pty Ltd

(71) Wonderland Switzerland AG  
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(71) Xoma (US) LLC  
 (11) AU-B-2021218003  
 (21) 2021218003 (22) 16.08.2021  
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*C07D 277/06* ( 2006.01 )  
*A61K 31/426* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )

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 (74) Collison & Co

(71) XRad Therapeutics, Inc.  
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*A61K 31/444* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) YETI Coolers, LLC  
 (11) AU-B-2020232017  
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 (51) Int. Cl.  
*A45C 3/10* ( 2006.01 )  
*A45C 11/20* ( 2006.01 )  
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*A45C 13/00* ( 2006.01 )  
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 (43) 10.09.2020  
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 (72) SULLIVAN, Derek G.; ROGERS, Kyle Edward  
 (74) Southern Cross Intellectual Property Limited

(71) Yost, K.; Alexander, R.  
 (11) AU-B-2020252070  
 (21) 2020252070 (22) 27.03.2020  
 (54) Systems and methods to treat PFAS and other persistent organic compounds and oxidizable matter in aqueous fluids  
 (51) Int. Cl.  
*C02F 1/58* ( 2006.01 )  
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*C02F 1/467* ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

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**(71)** Yunjing Intelligence Technology (Dongguan) Co., Ltd.  
**(11)** AU-B-2019415834  
**(21)** 2019415834      **(22)** 29.10.2019  
**(54)** Cleaning robot  
**(51)** Int. Cl.  
**A47L 11/24** ( 2006.01 )  
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**(71)** Zebra Technologies Corporation  
**(11)** AU-B-2021206198  
**(21)** 2021206198      **(22)** 06.01.2021  
**(54)** Doubly interlaced sensor array and method to support low power counting and identification  
**(51)** Int. Cl.  
**G08B 13/14** ( 2006.01 )  
**A47F 3/14** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
**G07F 9/02** ( 2006.01 )  
**G08B 13/22** ( 2006.01 )  
**(87)** WO2021/141965  
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**(11)** AU-B-2017213744  
**(21)** 2017213744      **(22)** 31.01.2017  
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**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12Q 1/68** ( 2006.01 )  
**G01N 33/566** ( 2006.01 )  
**(87)** WO2017/136322  
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**(43)** 10.08.2017  
**(44)** 22.06.2023  
**(72)** Zhu, Zhenglun; Gao, Hong  
**(74)** FB Rice Pty Ltd

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| <b>2016358172</b> | Research Institute at Nationwide Children's Hospital   | <b>2018338407</b> | Amatelus Inc.  |
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| <b>2017378018</b> | Sorrento Therapeutics, Inc.  | <b>2020211400</b> | Kraft Foods Schweiz Holding GmbH   |
| <b>2017380943</b> | Tetra Laval Holdings & Finance S.A.  | <b>2020218079</b> | Inventio AG  |
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| <b>2018223908</b> | Doka GmbH  | <b>2020252872</b> | International Business Machines Corporation  |
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| <b>2018300319</b> | Emadikotak Lahidjani, M.; Emadikotak Lahidjani, D.   | <b>2020332428</b> | Vivo Mobile Communication Co., Ltd.  |
| <b>2018300485</b> | Guodian United Power Technology Company Ltd.   | <b>2020336161</b> | VMware, Inc.   |
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| 2019420812               | 2020232017               | 2021206840               | 2020262383               | <b><u>A61P 25 /-</u></b> | <b><u>B01D 69 /-</u></b> |
| <b><u>A01P 1 /-</u></b>  | <b><u>A46D 9 /-</u></b>  | <b><u>A61F 5 /-</u></b>  | 2020340275               | 2018300091               | 2017373828               |
| 2018241524               | 2018231691               | 2021203775               | <b><u>A61K 48 /-</u></b> | <b><u>A61P 35 /-</u></b> | <b><u>B01D 71 /-</u></b> |
| <b><u>A01P 17 /-</u></b> | 2018231691               | <b><u>A61F 7 /-</u></b>  | 2016358172               | 2017281364               | 2017373828               |
| 2020261440               | <b><u>A46D 1 /-</u></b>  | 2018226104               | 2017213744               | 2017305950               | <b><u>B01D 69 /-</u></b> |
| <b><u>A01P 19 /-</u></b> | 2018231691               | <b><u>A61H 19 /-</u></b> | 2020203590               | 2017365116               | 2017373828               |
| 2019420812               | <b><u>A47D 7 /-</u></b>  | 2019250096               | 2020203844               | 2019254980               | <b><u>B01D 71 /-</u></b> |
| 2020261440               | 2020382899               | <b><u>A61H 23 /-</u></b> | <b><u>A61K 51 /-</u></b> | 2021237841               | 2017373828               |
| <b><u>A01P 3 /-</u></b>  | <b><u>A47D 9 /-</u></b>  | 2019250096               | 2017281364               | 2021318297               | <b><u>B01D 71 /-</u></b> |
|                          | 2020382899               | 2019250096               | 2020205346               | <b><u>A61P 43 /-</u></b> | 2017373828               |
|                          |                          |                          | 2020361766               | 2017365116               | <b><u>B01J 20 /-</u></b> |
|                          |                          |                          |                          | <b><u>A61P 5 /-</u></b>  | 2018217734               |
|                          |                          |                          |                          | 2020262383               | <b><u>B01J 7 /-</u></b>  |
|                          |                          |                          |                          | <b><u>A61P 9 /-</u></b>  |                          |

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| 2018217734               | 2020418789               | <u><b>B65H 54 /-</b></u>  | <u><b>C04B 28 /-</b></u>  | 2019240299                |                          |
| <u><b>B04B 1 /-</b></u>  | <u><b>B61D 47 /-</b></u> | 2017292903                | 2020367009                | 2021237841                | <u><b>C10G 3 /-</b></u>  |
| 2020386484               | 2020418789               | <u><b>B65H 75 /-</b></u>  | <u><b>C05B 1 /-</b></u>   | <u><b>C07D 498 /-</b></u> | 2018217751               |
| <u><b>B04B 7 /-</b></u>  | <u><b>B62B 7 /-</b></u>  | 2017292903                | 2019420812                | 2018300091                | <u><b>C10G 75 /-</b></u> |
| 2020386484               | 2018221963               | <u><b>B66B 1 /-</b></u>   | <u><b>C05C 1 /-</b></u>   | <u><b>C07H 21 /-</b></u>  | 2018217751               |
| <u><b>B22F 3 /-</b></u>  | <u><b>B62B 9 /-</b></u>  | 2020218079                | 2018297059                | 2017213744                | <u><b>C10L 3 /-</b></u>  |
| 2020306889               | 2018221963               | <u><b>B66B 19 /-</b></u>  | <u><b>C05D 3 /-</b></u>   | <u><b>C07K 14 /-</b></u>  | 2018306365               |
| <u><b>B25J 5 /-</b></u>  | <u><b>B63B 21 /-</b></u> | 2019400693                | 2019420812                | 2017306038                | <u><b>C12M 1 /-</b></u>  |
| 2021203120               | 2017361718               | <u><b>B66B 3 /-</b></u>   | <u><b>C07D 221 /-</b></u> | 2018336988                | 2018340855               |
| <u><b>B29D 11 /-</b></u> | <u><b>B63B 49 /-</b></u> | 2020218079                | 2019240299                | 2018395264                | <u><b>C12N 1 /-</b></u>  |
| 2017297617               | 2019273765               | <u><b>B66B 9 /-</b></u>   | <u><b>C07D 241 /-</b></u> | 2020205346                | 2018336988               |
| <u><b>B30B 5 /-</b></u>  | 2020328964               | 2019400693                | 2019240299                | 2020268059                | 2018395264               |
| 2020306889               | <u><b>B63C 11 /-</b></u> | 2020418789                | <u><b>C07D 277 /-</b></u> | 2021318297                | <u><b>C12N 15 /-</b></u> |
| <u><b>B32B 25 /-</b></u> | 2020328964               | <u><b>B66C 17 /-</b></u>  | 2021218003                | 2017216864                | 2016358172               |
| 2021250969               | <u><b>B65B 1 /-</b></u>  | 2020418789                | 2021218009                | 2019229076                | 2017213744               |
| <u><b>B32B 3 /-</b></u>  | 2018205799               | <u><b>B66D 1 /-</b></u>   | <u><b>C07D 307 /-</b></u> | 2020220179                | 2017216864               |
| 2021250969               | 2018220580               | 2018220092                | 2021218009                | 2021318297                | 2017237643               |
| <u><b>B42D 25 /-</b></u> | <u><b>B65B 43 /-</b></u> | <u><b>B66F 19 /-</b></u>  | <u><b>C07D 311 /-</b></u> | <u><b>C08G 63 /-</b></u>  | 2018261600               |
| 2019363013               | <u><b>B65B 61 /-</b></u> | 2022200669                | 2019284814                | 2022201041                | 2018336988               |
| <u><b>B60D 1 /-</b></u>  | 2018205799               | <u><b>C01B 3 /-</b></u>   | <u><b>C07D 401 /-</b></u> | <u><b>C08G 73 /-</b></u>  | 2018395264               |
| 2017333873               | <u><b>B65D 83 /-</b></u> | 2017410250                | 2019240299                | 2020340275                | 2020203590               |
| <u><b>B60Q 1 /-</b></u>  | 2020211400               | 2018217734                | 2021237841                | <u><b>C08J 11 /-</b></u>  | 2020203844               |
| 2022200422               | <u><b>B65D 90 /-</b></u> | 2018221479                | 2019284814                | 2022273817                | 2020268059               |
| <u><b>B60Q 5 /-</b></u>  | 2017380943               | <u><b>C02F 1 /-</b></u>   | <u><b>C07D 403 /-</b></u> | <u><b>C08K 11 /-</b></u>  | 2021318297               |
| 2022200422               | <u><b>B65G 1 /-</b></u>  | 2020252070                | 2021237841                | 2022201041                | <u><b>C12N 9 /-</b></u>  |
| <u><b>B60W 40 /-</b></u> | 2020211400               | <u><b>C02F 101 /-</b></u> | <u><b>C07D 405 /-</b></u> | <u><b>C08K 5 /-</b></u>   | 2017220672               |
| 2022200422               | <u><b>B65G 35 /-</b></u> | 2018297059                | 2019240299                | 2019284814                | 2017337133               |
| <u><b>B60W 50 /-</b></u> | 2017358776               | <u><b>C02F 3 /-</b></u>   | 2021237841                | 2022201041                | 2018261600               |
| 2022200422               | <u><b>B65G 47 /-</b></u> | 2018297059                | <u><b>C07D 407 /-</b></u> | 2022202528                | 2022273817               |
| <u><b>B60W 60 /-</b></u> | 2017358776               | <u><b>C03B 37 /-</b></u>  | 2021237841                | <u><b>C08K 9 /-</b></u>   | <u><b>C12P 13 /-</b></u> |
| 2022200422               | 2020402848               | <u><b>C03C 17 /-</b></u>  | <u><b>C07D 413 /-</b></u> | 2019341503                | 2020268059               |
| <u><b>B61B 13 /-</b></u> | <u><b>B65G 51 /-</b></u> | 2018298939                | <u><b>C07D 417 /-</b></u> | 2022201041                | <u><b>C12P 21 /-</b></u> |
| 2017358776               | 2020402848               | <u><b>C04B 103 /-</b></u> | 2019240299                | <u><b>C08L 79 /-</b></u>  | 2017216864               |
| <u><b>B61B 3 /-</b></u>  | <u><b>B65G 63 /-</b></u> | 2018310989                | 2019254980                | 2020340275                | 2018241849               |
| 2020418789               | 2017358776               | <u><b>C04B 111 /-</b></u> | <u><b>C07D 471 /-</b></u> | <u><b>C08L 95 /-</b></u>  | <u><b>C12Q 1 /-</b></u>  |
| 2020418789               | 2017292903               | 2020367009                | 2019240299                | 2022202528                | 2017213744               |
| <u><b>B61D 3 /-</b></u>  | <u><b>B65H 19 /-</b></u> | <u><b>C04B 111 /-</b></u> | 2021237841                | <u><b>C09B 57 /-</b></u>  | 2018340855               |
| 2020418789               | 2017292903               | 2020367009                | <u><b>C07D 487 /-</b></u> | 2019284814                | 2020203590               |
| <u><b>B61D 45 /-</b></u> | <u><b>B65H 23 /-</b></u> | 2020367009                | 2019240299                | <u><b>C09C 1 /-</b></u>   | 2020281160               |
|                          | 2017292903               |                           | 2019254980                | 2020340275                | 2021202677               |
|                          |                          |                           | <u><b>C07D 491 /-</b></u> | <u><b>C09K 9 /-</b></u>   | 2021232658               |
|                          |                          |                           | 2018300091                | 2019284814                | 2021360263               |
|                          |                          |                           |                           |                           | <u><b>C23C 18 /-</b></u> |
|                          |                          |                           |                           |                           | 2017374799               |
|                          |                          |                           |                           |                           | <u><b>C25B 1 /-</b></u>  |

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| 2020397092               | <b><u>E04G 11 /-</u></b> | <b><u>F01P 11 /-</u></b> | <b><u>F25D 29 /-</u></b> | <b><u>G02B 6 /-</u></b>  | 2021245142               |
| <b><u>C25B 9 /-</u></b>  | 2018223908               | 2021204043               | 2021203621               | 2020347613               | <b><u>G06Q 30 /-</u></b> |
| 2020397092               | 2019400693               | <b><u>F02B 43 /-</u></b> | <b><u>F27B 17 /-</u></b> |                          | 2021277752               |
| <b><u>C25D 5 /-</u></b>  | <b><u>E04G 17 /-</u></b> | 2018217734               | 2020306889               | <b><u>G03H 1 /-</u></b>  | <b><u>G06Q 50 /-</u></b> |
| 2017374799               | 2018223908               | <b><u>F02M 21 /-</u></b> | <b><u>F28D 9 /-</u></b>  | 2017297617               | 2021215134               |
| <b><u>D06F 33 /-</u></b> | <b><u>E04G 19 /-</u></b> | 2018217734               | 2020323285               | <b><u>G05B 19 /-</u></b> | <b><u>G06T 7 /-</u></b>  |
| 2021245115               | 2018223908               | <b><u>F02M 27 /-</u></b> | <b><u>F28F 13 /-</u></b> | 2021290259               | 2019324953               |
| <b><u>D06F 34 /-</u></b> | <b><u>E05B 15 /-</u></b> | 2018217734               | 2020323285               | <b><u>G05B 9 /-</u></b>  | 2020228229               |
| 2021245115               | 2017350878               | <b><u>F03B 13 /-</u></b> | <b><u>F28F 3 /-</u></b>  | 2021290259               | 2020330314               |
| <b><u>D06F 39 /-</u></b> | <b><u>E05B 3 /-</u></b>  | 2018300485               | 2020323285               | <b><u>G05D 1 /-</u></b>  | <b><u>G06V 10 /-</u></b> |
| 2021245115               | 2017350878               | <b><u>F15B 15 /-</u></b> | <b><u>G01C 21 /-</u></b> | 2020328964               | 2022202669               |
| <b><u>D06F 58 /-</u></b> | <b><u>E05B 65 /-</u></b> | 2022200669               | 2019273765               | 2022200422               | <b><u>G06V 20 /-</u></b> |
| 2021245115               | 2017350878               | <b><u>F16B 37 /-</u></b> | <b><u>G01N 21 /-</u></b> | <b><u>G05D 3 /-</u></b>  | 2022202669               |
| <b><u>D06P 1 /-</u></b>  | <b><u>E05B 9 /-</u></b>  | 2021218144               | 2020228229               | 2020356933               | <b><u>G07D 11 /-</u></b> |
| 2017336596               | 2017350878               | <b><u>F16C 11 /-</u></b> | <b><u>G01N 23 /-</u></b> | <b><u>G06F 15 /-</u></b> | 2021203813               |
| <b><u>D06P 3 /-</u></b>  | <b><u>E05C 3 /-</u></b>  | 2023200147               | 2018273713               | 2022202133               | <b><u>G07D 9 /-</u></b>  |
| 2017336596               | 2017350878               | <b><u>F16F 1 /-</u></b>  | <b><u>G01N 27 /-</u></b> | <b><u>G06F 16 /-</u></b> | 2021203813               |
| <b><u>D06P 5 /-</u></b>  | <b><u>E05D 15 /-</u></b> | 2022202697               | 2021202677               | 2020237195               | <b><u>G07F 17 /-</u></b> |
| 2017336596               | 2021204252               | <b><u>F16K 1 /-</u></b>  | <b><u>G01N 33 /-</u></b> | 2021221388               | 2021202528               |
| <b><u>D21H 17 /-</u></b> | <b><u>E21B 17 /-</u></b> | 2017380943               | 2017213744               | 2021322785               | <b><u>G07F 9 /-</u></b>  |
| 2019341503               | 2017440030               | <b><u>F16K 27 /-</u></b> | 2017234659               | <b><u>G06F 17 /-</u></b> | 2021203813               |
| <b><u>D21H 19 /-</u></b> | <b><u>E21B 23 /-</u></b> | 2017380943               | 2018340855               | <b><u>G06F 18 /-</u></b> | 2021206198               |
| 2019341503               | 2017440030               | <b><u>F21V 33 /-</u></b> | 2022202528               | 2019324953               | <b><u>G08B 13 /-</u></b> |
| <b><u>D21H 21 /-</u></b> | <b><u>E21B 33 /-</u></b> | 2021203621               | <b><u>G01R 1 /-</u></b>  | <b><u>G06F 3 /-</u></b>  | 2021206198               |
| 2019341503               | 2021370166               | <b><u>F24F 11 /-</u></b> | 2020224954               | 2021221388               | <b><u>G09F 9 /-</u></b>  |
| <b><u>D21H 27 /-</u></b> | <b><u>E21B 41 /-</u></b> | 2020228229               | <b><u>G01R 23 /-</u></b> | <b><u>G06N 10 /-</u></b> | 2021203621               |
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| <b><u>E01C 1 /-</u></b>  | 2019247486               | <b><u>F24S 30 /-</u></b> | 2022204376               | 2020252872               | 2020316738               |
| 2022202528               | <b><u>E21B 47 /-</u></b> | 2017228556               | <b><u>G01S 5 /-</u></b>  | <b><u>G06N 20 /-</u></b> | <b><u>G10L 21 /-</u></b> |
| <b><u>E02F 9 /-</u></b>  | 2016434207               | <b><u>F24S 50 /-</u></b> | 2019273765               | 2020250811               | 2020316738               |
| 2023200147               | <b><u>E21C 45 /-</u></b> | 2020356933               | <b><u>G01S 7 /-</u></b>  | <b><u>G06N 3 /-</u></b>  | <b><u>H01B 1 /-</u></b>  |
| <b><u>E04B 1 /-</u></b>  | 2022200669               | <b><u>F24S 50 /-</u></b> | 2022204376               | 2020250811               | 2018310989               |
| 2018223908               | <b><u>F01N 13 /-</u></b> | 2020356933               | <b><u>G01T 3 /-</u></b>  | 2022202669               | <b><u>H01H 3 /-</u></b>  |
| 2021250969               | 2022201687               | <b><u>F25B 49 /-</u></b> | 2018273713               | <b><u>G06N 5 /-</u></b>  | <b><u>H01H 9 /-</u></b>  |
| <b><u>E04F 15 /-</u></b> | <b><u>F01N 3 /-</u></b>  | 2020349218               | <b><u>G02B 23 /-</u></b> | <b><u>G06Q 10 /-</u></b> | 2022202697               |
| 2021250969               | 2022201687               | <b><u>F25D 23 /-</u></b> | 2019273765               | 2021206198               | 2022202697               |
|                          |                          | 2021203621               | <b><u>G02B 5 /-</u></b>  | 2021221388               | <b><u>H01L 21 /-</u></b> |
|                          |                          |                          | 2017297617               | 2022202669               | 2020224954               |
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| <b><u>H01L 23 /-</u></b> | 2021221388<br>2021290259               | 2021211972               |
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| <b><u>H01M 10 /-</u></b> | 2020336161<br>2020398833               | 2020310275               |
| 2021265012<br>2022200468 | <b><u>H04L 47 /-</u></b>               | <b><u>H05B 1 /-</u></b>  |
| <b><u>H01M 50 /-</u></b> | 2020398833                             | 2017228556               |
| 2022200468               | <b><u>H04L 5 /-</u></b>                |                          |
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| 2017297617               | <b><u>H04L 67 /-</u></b>               |                          |
| <b><u>H01Q 19 /-</u></b> | 2021221388                             |                          |
| 2017297617               | <b><u>H04L 9 /-</u></b>                |                          |
| <b><u>H02B 1 /-</u></b>  | 2020336161<br>2020396746<br>2022201850 |                          |
| 2019474670               | <b><u>H04M 3 /-</u></b>                |                          |
| <b><u>H02H 9 /-</u></b>  | 2021221388                             |                          |
| 2018264092               | <b><u>H04N 19 /-</u></b>               |                          |
| <b><u>H02J 13 /-</u></b> | 2020238853<br>2020269390               |                          |
| 2019239701<br>2019239703 | <b><u>H04N 21 /-</u></b>               |                          |
| <b><u>H02J 3 /-</u></b>  | 2018338407<br>2020398833               |                          |
| 2019239701<br>2019239703 | <b><u>H04N 7 /-</u></b>                |                          |
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| <b><u>H02S 20 /-</u></b> | 2019469004                             |                          |
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| 2020336161               |  |                          |

**Certified Innovation Patents**

**Name Index**

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

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(71) Drill-Bourn Pty Ltd  
 (11) AU-B-2019101829  
 (21) 2019101829 (22) 13.09.2019  
 (54) Machine Stand and Method of Supporting a Machine using a Stand  
 (51) Int. Cl.  
     *B66F 3/30* ( 2006.01 )  
     *B66F 17/00* ( 2006.01 )  
     *F16M 1/026* ( 2006.01 )  
     *F16M 11/16* ( 2006.01 )  
 (31) 2018903326 (32) 06.09.18 (33) AU  
 (45) 22.06.2023  
 (72) Elbourn, Andrew  
 (74) Caska Intellectual Property Pty Ltd

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(71) Metso Outotec Finland Oy  
 (11) AU-B-2022100082  
 (21) 2022100082 (22) 21.06.2022  
 (54) OPTIMIZED SEMI-DRY PROCESS FOR SINTERING OF ALUMINOSILICATES IN THE PRODUCTION OF ALUMINA  
 (51) Int. Cl.  
     *B01J 6/00* ( 2006.01 )  
     *B01J 8/20* ( 2006.01 )  
     *B01J 8/22* ( 2006.01 )  
 (45) 22.06.2023  
 (62) PCT/EP2019/082626  
 (72) ROTHENFLUH, Tobias; SCARSELLA, Alessio; SCHNEIDER, Günter; WROBEL, Maciej; STURM, Peter; STRAZZULLO, Fabio  
 (74) Griffith Hack

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(71) Vidi Pty Ltd  
 (11) AU-B-2023100035  
 (21) 2023100035 (22) 19.04.2023  
 (54) AN OPTICAL MEASURING AND SCANNING SYSTEM AND METHODS OF USE  
 (51) Int. Cl.  
     *G06V 40/18* ( 2022.01 )  
     *G06T 17/00* ( 2006.01 )  
     *G06V 10/10* ( 2022.01 )  
     *G06V 10/40* ( 2022.01 )  
 (45) 22.06.2023  
 (62) 2022200703  
 (72) Kelly, John; Tam, Ben; Blattmann, Lee  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD



**Numerical Index**

**2019101829** Drill-Bourn Pty Ltd  
**2022100082** Metso Outotec Finland Oy  
**2023100035** Vidi Pty Ltd

**IPC Index**

**B01J 6 /-**

2022100082

**B01J 8 /-**

2022100082

**B66F 17 /-**

2019101829

**B66F 3 /-**

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**F16M 1 /-**

2019101829

**F16M 11 /-**

2019101829

**G06T 17 /-**

2023100035

**G06V 10 /-**

2023100035

**G06V 40 /-**

2023100035

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition under Section 104(4) - Lodged**

2021271942 **BROLOCK PTY LTD** ( Polaris IP Pty Ltd )

**Opposition under Section 104(4) - Withdrawn**

2021271942 **BROLOCK PTY LTD** ( Polaris IP Pty Ltd )

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2013273704 | 2015416656 | 2016201156 | 2016311387 |
| 2016315444 | 2016333539 | 2016335929 | 2016341178 |
| 2016349381 | 2016353162 | 2016361426 | 2016365229 |
| 2016366158 | 2016420006 | 2016421331 | 2016426102 |
| 2016429420 | 2016433796 | 2017200279 | 2017201271 |
| 2017202725 | 2017204668 | 2017205399 | 2017216483 |
| 2017225166 | 2017227061 | 2017229469 | 2017231581 |
| 2017232139 | 2017235461 | 2017235870 | 2017237983 |
| 2017240799 | 2017246547 | 2017248394 | 2017251607 |
| 2017252328 | 2017255962 | 2017256082 | 2017258954 |
| 2017261919 | 2017268175 | 2017271545 | 2017285496 |
| 2017293847 | 2017296040 | 2017299950 | 2017314986 |
| 2017315151 | 2017316485 | 2017323644 | 2017324414 |
| 2017325804 | 2017330160 | 2017336253 | 2017339919 |
| 2017345324 | 2017347902 | 2017348754 | 2017351752 |
| 2017354786 | 2017354787 | 2017355387 | 2017355390 |
| 2017355393 | 2017356903 | 2017366191 | 2017370838 |
| 2017371645 | 2017373639 | 2017374037 | 2017377851 |
| 2017380258 | 2017381742 | 2017382763 | 2017383796 |
| 2017384602 | 2017385520 | 2017388378 | 2017390015 |
| 2017398403 | 2017399309 | 2017416235 | 2017419917 |
| 2018200354 | 2018202193 | 2018203044 | 2018205667 |
| 2018206139 | 2018206189 | 2018210394 | 2018216886 |
| 2018221350 | 2018221351 | 2018223313 | 2018223706 |
| 2018231770 | 2018233163 | 2018237785 | 2018239280 |
| 2018239415 | 2018240363 | 2018241788 | 2018243307 |
| 2018244795 | 2018251865 | 2018253212 | 2018255484 |
| 2018256256 | 2018257470 | 2018258551 | 2018258641 |
| 2018263283 | 2018264871 | 2018274709 | 2018282307 |
| 2018291009 | 2018293219 | 2018298674 | 2018300754 |
| 2018303334 | 2018311303 | 2018311557 | 2018315743 |
| 2018316175 | 2018319253 | 2018319431 | 2018328888 |
| 2018333068 | 2018342423 | 2018346985 | 2018350980 |
| 2018355418 | 2018355551 | 2018355709 | 2018357062 |
| 2018359904 | 2018369575 | 2018373195 | 2018375787 |
| 2018380166 | 2018387110 | 2018389763 | 2018395956 |
| 2018447341 | 2018449839 | 2018454419 | 2019204974 |
| 2019207409 | 2019210133 | 2019213203 | 2019228377 |
| 2019235597 | 2019236750 | 2019240193 | 2019252911 |
| 2019264253 | 2019264734 | 2019268212 | 2019297514 |
| 2019311846 | 2019319476 | 2019319887 | 2019344274 |
| 2019346542 | 2019346903 | 2019347499 | 2019356608 |
| 2019368125 | 2019372097 | 2019374806 | 2019381526 |
| 2019382726 | 2019387198 | 2019387227 | 2019388767 |
| 2019392564 | 2019395964 | 2019396444 | 2019405165 |
| 2019406614 | 2019421618 | 2019427933 | 2019428063 |
| 2019439427 | 2019440278 | 2019441814 | 2019444153 |
| 2019454205 | 2019454998 | 2019465141 | 2019469120 |
| 2020200493 | 2020202992 | 2020202995 | 2020205234 |
| 2020205327 | 2020207850 | 2020208074 | 2020210843 |
| 2020218253 | 2020223187 | 2020223256 | 2020225048 |
| 2020230294 | 2020232494 | 2020234543 | 2020238668 |
| 2020241335 | 2020241610 | 2020242652 | 2020244596 |
| 2020246084 | 2020246804 | 2020250220 | 2020252476 |
| 2020256417 | 2020256463 | 2020257554 | 2020259237 |

**Patents Granted**

**Standard Patents**

|            |            |            |            |
|------------|------------|------------|------------|
| 2020260575 | 2020261138 | 2020264368 | 2020269378 |
| 2020277196 | 2020277262 | 2020277270 | 2020281135 |
| 2020283745 | 2020286361 | 2020289742 | 2020292425 |
| 2020294677 | 2020296002 | 2020300067 | 2020302913 |
| 2020303814 | 2020304938 | 2020305490 | 2020306126 |
| 2020307661 | 2020308091 | 2020308761 | 2020311908 |
| 2020315416 | 2020315554 | 2020316949 | 2020317552 |
| 2020319606 | 2020322623 | 2020323883 | 2020327164 |
| 2020328017 | 2020329283 | 2020337833 | 2020344019 |
| 2020345944 | 2020352996 | 2020353805 | 2020354457 |
| 2020356723 | 2020359424 | 2020363066 | 2020364700 |
| 2020376754 | 2020377553 | 2020379558 | 2020387677 |
| 2020403443 | 2020404339 | 2020404468 | 2020408599 |
| 2020410172 | 2020410790 | 2020411416 | 2020425506 |
| 2020429373 | 2020442534 | 2021200122 | 2021200458 |
| 2021200459 | 2021200462 | 2021200523 | 2021200626 |
| 2021200652 | 2021200700 | 2021200894 | 2021201070 |
| 2021201225 | 2021201307 | 2021201434 | 2021201495 |
| 2021201677 | 2021201727 | 2021201746 | 2021201844 |
| 2021201884 | 2021201960 | 2021201984 | 2021202102 |
| 2021202231 | 2021202452 | 2021202779 | 2021202786 |
| 2021202897 | 2021202991 | 2021203076 | 2021203086 |
| 2021203262 | 2021203283 | 2021203464 | 2021203485 |
| 2021203670 | 2021203673 | 2021203691 | 2021203888 |
| 2021203934 | 2021204163 | 2021204183 | 2021204210 |
| 2021204311 | 2021204603 | 2021204700 | 2021204803 |
| 2021204825 | 2021205880 | 2021206898 | 2021206913 |
| 2021209328 | 2021212073 | 2021215192 | 2021215291 |
| 2021215300 | 2021225123 | 2021225207 | 2021227687 |
| 2021227729 | 2021230409 | 2021236514 | 2021238330 |
| 2021240188 | 2021240250 | 2021241430 | 2021249201 |
| 2021250874 | 2021254598 | 2021254618 | 2021254633 |
| 2021261892 | 2021266346 | 2021269187 | 2021269293 |
| 2021277660 | 2021282426 | 2021283809 | 2021285713 |
| 2021286242 | 2021286300 | 2021290217 | 2021290334 |
| 2021304952 | 2021355551 | 2021388811 | 2021396976 |
| 2021398578 | 2022200138 | 2022200235 | 2022200398 |
| 2022200406 | 2022200454 | 2022200951 | 2022200993 |
| 2022201329 | 2022201676 | 2022202157 | 2022204009 |
| 2022204174 | 2022211781 | 2022268362 | 2022269039 |
| 2022275580 | 2022291481 |            |            |

**Innovation Patents**

2019101845 2023100041 2023100042 2023100047

**Assignments Registered**

2006253364 Meiji Seika Pharma Co., Ltd.; The Kitasato Institute  
The patent has been assigned to **MMAG Co., Ltd; The Kitasato Institute**

2009200520 Valvules I Racords Canovelles, S.A. The patent has been assigned to **CEPEX, S.A.U.**

2009248461 Rayner Surgical, Inc. The patent has been assigned to **Rayner Surgical (Ireland) Limited**

2010201258 Spark, Ian The patent has been assigned to **Spark, Ian; APPUHAMILLAG, GAYAN**

2012304174 Geosoft Inc. The patent has been assigned to **Seequent Solutions Canada II Ltd.**

2013201465 Rayner Surgical, Inc. The patent has been assigned to **Rayner Surgical (Ireland) Limited**

2013270326 Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Shanghai HaiHe Pharmaceutical Co., Ltd The patent has been assigned to **Haihe Biopharma Co., Ltd**

**Assignments Registered**

2015343083 Amorsa Therapeutics, Inc. The patent has been assigned to **ACADIA Pharmaceuticals Inc.**

2015352172 Meat & Livestock Australia Limited; 4C Design Limited  
The patent has been assigned to **Meat & Livestock Australia Limited; 4c Design Group Limited**

2015355289 Rayner Surgical, Inc. The patent has been assigned to **Rayner Surgical (Ireland) Limited**

2016226699 Auckland UniServices Limited The patent has been assigned to **TheiaNova Limited**

2016322548 Valvoline Licensing and Intellectual Property, LLC The patent has been assigned to **VGP IPCO LLC**

2017280850 Cahana, Aviad The patent has been assigned to **Avelo Labs Inc.**

2018200413 Teijin Pharma Limited; University Public Corporation Osaka The patent has been assigned to **University Public Corporation Osaka; Teijin Limited**

2018200887 Rayner Surgical, Inc. The patent has been assigned to **Rayner Surgical (Ireland) Limited**

2018201925 SEMMA THERAPEUTICS, INC. The patent has been assigned to **Vertex Pharmaceuticals Incorporated**

2019203731 Meat & Livestock Australia Limited; 4C Design Limited  
The patent has been assigned to **Meat & Livestock Australia Limited; 4c Design Group Limited**

2019462996 Valvoline Licensing and Intellectual Property LLC The patent has been assigned to **VGP IPCO LLC**

2020261438 Valvoline Licensing and Intellectual Property LLC The patent has been assigned to **VGP IPCO LLC**

2021106519 Robertson Rural Contracting Pty Ltd The patent has been assigned to **Robertson, Thomas; Ross, Georgia**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**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.

2013341186 **Bristol-Myers Squibb Company**

The earliest first regulatory approval date provided by the patentee 01 Dec 2022

For the goods SOTYKTU deucravacitinib

Address for service : AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2017201076 **BRISTOL-MYERS SQUIBB COMPANY**

The earliest first regulatory approval date provided by the patentee 01 Dec 2022

For the goods SOTYKTU deucravacitinib

Address for service : AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2014232508 **Sun Pharmaceutical Industries Limited**

The earliest first regulatory approval date provided by the patentee 29 Mar 2022

For the goods YONSA MPRED abiraterone acetate

Extension of Term of patent pursuant to Section 77 expires on 29 Mar 2037

2019204655 **TherapeuticsMD, Inc.**

The earliest first regulatory approval date provided by the patentee 03 May 2022

For the goods BIJUVA estradiol (as hemihydrate)

Extension of Term of patent pursuant to Section 77 expires on 03 May 2037

**Corrigenda**

In Vol 57 , No 14 , Page(s) 1998 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2021** Delete all reference to 2021221929.

In Vol 57 , No 21 , Page(s) 2983 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name PFIZER INC., Application No. 2021368151, under INID (54) correct the title to read ESCHERICHIA COLI COMPOSITIONS AND METHODS THEREOF

In Vol 57 , No 23 , Page(s) 3270 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name GLOBAL BLOOD THERAPEUTICS, INC., Application No. 2021376284, under INID (54) correct the title to read PROCESS FOR PREPARATION OF 2-HYDROXY-6-((2-(1-ISOPROPYL- 1H-PYRAZOL-5-YL)PYRIDIN-3-YL)METHOXY)BENZALDEHYDE

In Vol 57 , No 23 , Page(s) 3274 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name INTERVET INTERNATIONAL B.V., Application No. 2021359068, under INID (54) correct the title to read CANINIZED ANTIBODIES TO CANINE INTERLEUKIN-31 RECEPTOR ALPHA

In Vol 57 , No 23 , Page(s) 3294 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name SOCIÉTÉ DES PRODUITS NESTLÉ S.A., Application No. 2021405711, under INID (54) correct the title to read COMPOSITIONS AND METHODS USING AT LEAST ONE STRAIN OF STAPHYLOCOCCUS CARNOSUS THERAPEUTICALLY OR PROPHYLACTICALLY

**Specifications Republished**

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

2017302668 **Novartis AG; The Trustees of the University of Pennsylvania**  
2018256993 **Fuji Yakuin Co., Ltd.**  
2019395884 **Faradion Limited**