



**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).

**NOTE:** When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

## 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

### 1. To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete applications filed - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(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> <u>No.</u>
<b>C) Applications open to public inspection - Name Index</b>		<b>D) Applications accepted - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

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



## 2. 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.
- (44) 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.
- (45) 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.

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Fonterra Co-operative Group Ltd. v Perfect Day, Inc. [2022] APO 59***

Patent Application: 2015305271

Title: Compositions comprising a casein and methods of producing the same

Patent Applicant: Perfect Day, Inc.

Opponent: Fonterra Co-operative Group Ltd.

Delegate: Leslie F. McCaffery

Decision Date: 23 August 2022

Hearing Date: 19 May 2022 by video conference

Catchwords: **PATENTS** – opposition to the grant of a patent under section 59 – consideration of information filed pursuant to Regulation 5.23 – inventive step – clear enough and complete enough disclosure – support – utility – opposition successful – claims lack support – specification is not clear enough and complete enough to be performed by the person skilled in the art – applicant given 2 months from date of decision to propose amendments – costs awarded.

Representation: Patent attorney for the applicant: Linda Govenlock of Allens Patent & Trade Mark Attorneys  
Counsel for the opponent: Claire Cunliffe  
Patent attorney for the opponent: Tim Jackson of AJ Park

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 16 Aug 2022 .

(71) 7D TEAM PTY LTD (21) 2022902324 (22) 16.08.2022 (54) SEALING SYSTEM FOR A PUMP SHAFT	(71) Australian Export Grains Innovation Centre Limited (21) 2022902396 (22) 22.08.2022 (54) Seed Malting Apparatus and Method	(71) CHEN, X. (21) 2022902390 (22) 22.08.2022 (54) Foodstuff palate indicium and method
(71) Adama Australia Pty Ltd (21) 2022902376 (22) 19.08.2022 (54) Novel trinexapac-ethyl formulations	(71) Baraja Pty Ltd (21) 2022902394 (22) 22.08.2022 (54) An optical beam director	(71) Chevallerau, M. (21) 2022902392 (22) 22.08.2022 (54) Ladder Stabilisation Device
(71) Aglive International Pty Ltd (21) 2022902382 (22) 19.08.2022 (54) An Asset Identification System	(71) Barry, N. (21) 2022902356 (22) 18.08.2022 (54) ATTACHMENT DEVICE	(71) Clarity Pharmaceuticals Ltd (21) 2022902326 (22) 16.08.2022 (54) Formulations for radiotherapy and diagnostic imaging and use thereof in treatment, diagnosis and imaging diseases
(71) Ames Australasia Pty Ltd (21) 2022902370 (22) 19.08.2022 (54) Cement mixer and its method of assembly	(71) Beckett, B. (21) 2022902375 (22) 19.08.2022 (54) FASTENING SYSTEM FOR MESH PRODUCTS	(71) ClinicIQ Pty Ltd (21) 2022902358 (22) 18.08.2022 (54) Aqueous Midodrine Solutions
(71) Annalise-AI Pty Ltd (21) 2022902333 (22) 17.08.2022 (54) Methods and systems for automated analysis of medical images	(71) Bennett, W. (21) 2022902400 (22) 22.08.2022 (54) The Thermite-Sustained Thermonuclear Test Device	(71) Coxair Cycle Pty Ltd (21) 2022902354 (22) 18.08.2022 (54) An engine
(71) Annalise-AI Pty Ltd (21) 2022902344 (22) 17.08.2022 (54) Systems and Methods For Analysis Of Computed Tomography (CT) Images	(71) Blissbaby (21) 2022902379 (22) 19.08.2022 (54) Flatus tube for infants	(71) Crisp, A. (21) 2022902367 (22) 19.08.2022 (54) Foldable Structure and Associated Method
(71) Atkinson, G. (21) 2022902343 (22) 17.08.2022 (54) AN APPARATUS FOR ORGANISING AN OSTOMY AND A NIGHT BAG	(71) Breathesafe Pty Ltd (21) 2022902399 (22) 22.08.2022 (54) System and Method for Monitoring and Controlling Air Quality in an Enclosed Space	(71) Cumpson, P. (21) 2022902384 (22) 21.08.2022 (54) Surface measurement device
(71) Ausplow Pty. Ltd. (21) 2022902397 (22) 22.08.2022 (54) Section control system	<b>Burke, W.C. see Diener, R.</b> (21) 2022902362	(71) Delahunty, B. (21) 2022902395 (22) 22.08.2022 (54) CLEAT CONNECTOR
(71) Austin, J. (21) 2022902368 (22) 19.08.2022 (54) Mobility support apparatus	(71) Carden, B. (21) 2022902350 (22) 18.08.2022 (54) Long distance wireless power transmission	(71) Dempster, S. (21) 2022902377 (22) 19.08.2022 (54) Performance monitoring system

Provisional Applications Filed - Name Index cont'd

(71) Diener, R.; Sri Rajan, M.; Burke, W.C.  
(21) 2022902362 (22) 18.08.2022  
(54) Fence Post

(71) DOT DESIGN GROUP PTY LTD  
(21) 2022902364 (22) 18.08.2022  
(54) Lumibase

(71) du Plessis, J.P.  
(21) 2022902407 (22) 23.08.2022  
(54) APPARATUS AND METHOD FOR BONE FIXATION

(71) durack, m.  
(21) 2022902315 (22) 16.08.2022  
(54) HIGH SPEED ELECTRIC MOTOR WITH CARBON FIBRE SLEEVE OVER ROTOR

(71) Envision Sciences Pty Ltd  
(21) 2022902357 (22) 18.08.2022  
(54) METHODS FOR DETECTING MELANOMA

(71) Fisher, M.  
(21) 2022902404 (22) 23.08.2022  
(54) Wearable animal vaccine insulation apparatus

(71) Flame Security International Pty Ltd  
(21) 2022902360 (22) 18.08.2022  
(54) Concentrates and dispersions derived therefrom

(71) Flame Security International Pty Ltd  
(21) 2022902369 (22) 19.08.2022  
(54) Foamable composition

(71) Forno Bio GmbH  
(21) 2022902352 (22) 18.08.2022  
(54) Animal-free substitute dairy products

(71) F-PAC PTY. LTD.  
(21) 2022902391 (22) 22.08.2022  
(54) Improvements in blind mechanical fastening systems

(71) Francis, H.  
(21) 2022902401 (22) 23.08.2022  
(54) Apparatus for frozen bread slice separation

(71) George, E.  
(21) 2022902359 (22) 18.08.2022  
(54) SYSTEM AND METHOD FOR GENERATING INSTRUCTIONAL PRODUCT ASSEMBLY ANIMATIONS

(71) Global Climate Dollar Pty Ltd  
(21) 2022902402 (22) 23.08.2022  
(54) THE GROOVY SAMPLE STICK There is a need for a device that can make it possible for people with minimal training to collect representative soil samples relatively accurately.

(71) Gomez, R.  
(21) 2022902338 (22) 17.08.2022  
(54) Manufacture of Graphene & Large Graphene Electrodes

(71) Gough Industries Pty. Ltd.  
(21) 2022902409 (22) 23.08.2022  
(54) A ROOF ASSEMBLY FOR A STOCK FEEDER

(71) Gram Engineering Pty Ltd  
(21) 2022902345 (22) 17.08.2022  
(54) Panel

(71) Grisbrook, R.  
(21) 2022902339 (22) 17.08.2022  
(54) Support Device

Hanson, M.G. see Herford, N.  
(21) 2022902355

(71) HBG IP Holding Pty Limited  
(21) 2022902398 (22) 22.08.2022  
(54) CHILD SAFETY SEAT

(71) Herford, N.; Hanson, M.G.  
(21) 2022902355 (22) 18.08.2022  
(54) MACHINE LEARNING BASED DAMAGE ASSESSMENT

(71) HOBBS, B.  
(21) 2022902374 (22) 19.08.2022  
(54) Planter box assembly

(71) Hydgene Renewables Pty Ltd  
(21) 2022902336 (22) 17.08.2022  
(54) Genetically modified bacteria that fix atmospheric nitrogen and uses thereof

(71) Island Pharmaceuticals Ltd  
(21) 2022902408 (22) 23.08.2022  
(54) Method of reducing the attractiveness of a subject to mosquitos

(71) Lam, T.T.  
(21) 2022902348 (22) 17.08.2022  
(54) ADAPTIVE FLEXIBLE HYBRID ENERGY SYSTEMS OF SOLAR, WAVE AND WIND FOR UTILITY SCALE PLANTS

LEE, P.K. see YANG, Y.  
(21) 2022902342

(71) LYNDONS IP PTY LTD  
(21) 2022902329 (22) 17.08.2022  
(54) AN IMPROVED CEMENT COMPOSITION AND METHOD FOR THE PRODUCTION THEREOF

(71) Matrix Composites & Engineering Ltd  
(21) 2022902361 (22) 18.08.2022  
(54) Clamp Assembly

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022902328 (22) 17.08.2022  
(54) A Contact Lens for Myopia Management

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022902331 (22) 17.08.2022  
(54) A Multi-Zone Spectacle Lens for Myopia Management

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022902332 (22) 17.08.2022  
(54) A Spectacle Lens for Myopia

(71) OFB Corporation Pty Ltd  
(21) 2022902337 (22) 17.08.2022  
(54) A firefighting system

(71) Offshore Energy Solutions ApS  
(21) 2022902383 (22) 20.08.2022  
(54) OFFSHORE APPARATUS FOR EXTRACTING ENERGY FROM A FLUID AND METHODS FOR ITS USE

(71) PINTOS-LOPEZ, J.  
(21) 2022902323 (22) 16.08.2022  
(54) Rotary Angle Louvre Propulsion and Steering for VTOL aircraft

(71) Poldmaa, A.  
(21) 2022902406 (22) 23.08.2022  
(54) ANCHOR ASSEMBLY

(71) Pryor, J.  
(21) 2022902347 (22) 17.08.2022  
(54) Summie (unique mobile game)

(71) Queensland University of Technology  
(21) 2022902346 (22) 17.08.2022  
(54) Hairpin Oligonucleotides

(71) Raftopoulos, O.  
(21) 2022902385 (22) 22.08.2022  
(54) A Personal Adornment

Provisional Applications Filed - Name Index cont'd

(71) Rapp Australia  
(21) 2022902389 (22) 22.08.2022  
(54) A Hose Deployment Device

(71) Reelsafe Pty Ltd  
(21) 2022902380 (22) 19.08.2022  
(54) ELECTRIC SUBMERSIBLE PUMP CONNECTOR

(71) Robin Lowenstein  
(21) 2022902365 (22) 19.08.2022  
(54) Global Sales mediums for sales, purchasing marketing, educational and training purposes including advertising and services, products for online and offline mediums such as newspaper and internet ) directly related Cold gas dynamic spray (Coldspray) additive manufacturing technologies this also includes Additive manufacturing equipment and associated products and consumables for manufacturing (Cold-spray) machinery and equipment including processing and manufacturing machinery and additive manufacturing materials and packaging, processing and packaging machinery. Subscription directory.

(71) Royal Melbourne Institute of Technology  
(21) 2022902403 (22) 23.08.2022  
(54) AN ELECTROLYTIC CELL AND METHOD OF ELECTROLYSIS

(71) Saluda Medical Pty Ltd  
(21) 2022902371 (22) 19.08.2022  
(54) Improved feedback control of neural stimulation therapy

(71) Sarcan24 Pty Ltd  
(21) 2022902341 (22) 17.08.2022  
(54) Monitor Case

(71) Seeing Machines Limited  
(21) 2022902388 (22) 22.08.2022  
(54) Auto Dimming Mirror

(71) Sleeping Duck Pty Ltd  
(21) 2022902393 (22) 22.08.2022  
(54) ACTIVE BED FRAME

Sri Rajan, M. see Diener, R.  
(21) 2022902362

St. Vincent's Institute of Medical Research see The University of Melbourne  
(21) 2022902386

(71) Stark, H.L.  
(21) 2022902366 (22) 18.08.2022  
(54) A Device to Measure the Quantity of Gas in a Liquefied Gas Container

(71) Stark, H.L.  
(21) 2022902387 (22) 19.08.2022  
(54) A Device to Measure the Quantity of Gas in a Liquefied Gas Container

(71) Sward, A.  
(21) 2022902327 (22) 17.08.2022  
(54) A Product with Surprise Action

(71) The Cawthron Institute Trust Board  
(21) 2022902381 (22) 19.08.2022  
(54) ANIMAL FEED ADDITIVE AND METH-ODS FOR ITS PREPARATION

(71) The Rail Man Pty Ltd  
(21) 2022902353 (22) 18.08.2022  
(54) Adjustable Grab Rail System

(71) The University of Melbourne; St. Vincent's Institute of Medical Research  
(21) 2022902386 (22) 22.08.2022  
(54) METHODS OF INHIBITING TRANS-MEMBRANE PROTEINS

(71) The University of Sydney  
(21) 2022902340 (22) 17.08.2022  
(54) A pro-moiety for forming a prodrug selectively cleaved by prostate-specific antigen (PSA)

(71) ToadBuster International Pty Ltd  
(21) 2022902351 (22) 18.08.2022  
(54) Non-toxic cane toad eradication composition

(71) Tomazos, N.  
(21) 2022902325 (22) 16.08.2022  
(54) A big tax receipt sent at end of financial year.

(71) Total Hardware Pty Ltd  
(21) 2022902373 (22) 19.08.2022  
(54) CLOSING MECHANISM

(71) Trihey, A.  
(21) 2022902372 (22) 19.08.2022  
(54) Decentralised Hydro Power Station Master

(71) VBreathe Pty Ltd  
(21) 2022902363 (22) 18.08.2022  
(54) Air filtering and treatment apparatus and system

(71) Worthdown Pty Ltd atf Ausrica C Trust  
(21) 2022902349 (22) 17.08.2022  
(54) TEMPORARY PERIMETER CONTAINMENT ASSEMBLY

(71) XEFCO PTY LTD  
(21) 2022902378 (22) 19.08.2022  
(54) Composite Construction

(71) YANG, Y.; LEE, P.K.  
(21) 2022902342 (22) 17.08.2022  
(54) A terpolymer and method for the preparation and use thereof

(71) Yeoh Lim, K.C.  
(21) 2022902334 (22) 12.08.2022  
(54) Electric Vehicle Mini Power Station Generators, Gearbox/Gears and Power Boost System

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<b>2022902315</b>	durack, m.	<b>2022902391</b>	F-PAC PTY. LTD.
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<b>2022902327</b>	Sward, A.	<b>2022902396</b>	Australian Export Grains Innovation Centre Limited
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<b>2022902339</b>	Grisbrook, R.	<b>2022902407</b>	du Plessis, J.P.
<b>2022902340</b>	The University of Sydney	<b>2022902408</b>	Island Pharmaceuticals Ltd
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<b>2022902354</b>	Coxair Cycle Pty Ltd		
<b>2022902355</b>	Herford, N.; Hanson, M.G.		
<b>2022902356</b>	Barry, N.		
<b>2022902357</b>	Envision Sciences Pty Ltd		
<b>2022902358</b>	ClinicIQ Pty Ltd		
<b>2022902359</b>	George, E.		
<b>2022902360</b>	Flame Security International Pty Ltd		
<b>2022902361</b>	Matrix Composites & Engineering Ltd		
<b>2022902362</b>	Diener, R.; Sri Rajan, M.; Burke, W.C.		
<b>2022902363</b>	VBreathe Pty Ltd		
<b>2022902364</b>	DOT DESIGN GROUP PTY LTD		
<b>2022902365</b>	Robin Lowenstein		
<b>2022902366</b>	Stark, H.L.		
<b>2022902367</b>	Crisp, A.		
<b>2022902368</b>	Austin, J.		
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<b>2022902374</b>	HOBBS, B.		
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<b>2022902376</b>	Adama Australia Pty Ltd		
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<b>2022902378</b>	XEFCO PTY LTD		
<b>2022902379</b>	Blissbaby		
<b>2022902380</b>	Reelsafe Pty Ltd		
<b>2022902381</b>	The Cawthron Institute Trust Board		
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<b>2022902384</b>	Cumpson, P.		
<b>2022902385</b>	Raftopoulos, O.		
<b>2022902386</b>	The University of Melbourne; St. Vincent's Institute of Medical Research		
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<b>2022902388</b>	Seeing Machines Limited		
<b>2022902389</b>	Rapp Australia		
<b>2022902390</b>	CHEN, X.		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Aug 2022 .

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

<hr/> <p>(71) A.R. Head Ventures LTD (21) 2022215265 (22) 11.08.2022 (54) Electronic Display and Method for Memorizing Themes (62) 2017318694</p> <hr/> <p>(71) Abiomed, Inc. (21) 2022215276 (22) 12.08.2022 (54) Anti-suction blood pump inlet (62) 2017318694</p> <hr/> <p>(71) Acer Incorporated (21) 2022215252 (22) 11.08.2022 (54) DEVICE AND METHOD FOR HANDLING A REFERENCE SIGNAL REPORTING (31) 17/879,783 (32) 03.08.22 (33) US 63/245,199 17.09.21 US</p> <hr/> <p><b>Aclarion, Inc. see The Regents of the University of California</b> (21) 2022215301</p> <hr/> <p>(71) Acres Technology (21) 2022215278 (22) 12.08.2022 (54) Reserve Credits for Use on Gaming Device (62) 2020204159</p> <hr/> <p>(71) AddOn Optics Ltd. (21) 2022215264 (22) 11.08.2022 (54) Shaping an ophthalmic lens (62) 2021250718</p> <hr/> <p>(71) Adobe Inc. (21) 2022215320 (22) 14.08.2022 (54) PERFORMING INTERACTIVE DIGITAL IMAGE OPERATIONS UTILIZING MODIFIED MACHINE LEARNING MODELS (31) 17/502,296 (32) 15.10.21 (33) US</p> <hr/> <p>(71) Adobe Inc. (21) 2022215321 (22) 14.08.2022 (54) GENERATING SHADOWS FOR DIGITAL OBJECTS WITHIN DIGITAL IMAGES UTILIZING A HEIGHT MAP (31) 17/502,782 (32) 15.10.21 (33) US</p> <hr/>	<p>(71) Agenus Inc.; Memorial Sloan-Kettering Cancer Center; Ludwig Institute For Cancer Research Ltd. (21) 2022215304 (22) 12.08.2022 (54) Anti-GITR antibodies and methods of use thereof (62) 2021200582</p> <hr/> <p>(71) AgilePQ, Inc. (21) 2022215311 (22) 12.08.2022 (54) Data conversion systems and methods (62) 2017278253</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2022218454 (22) 15.08.2022 (54) PROCESS FOR H2 AND SYNGAS PRODUCTION (31) 17/407,422 (32) 20.08.21 (33) US</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2022218460 (22) 15.08.2022 (54) PROCESS FOR H2 AND SYNGAS PRODUCTION (31) 17/407,434 (32) 20.08.21 (33) US</p> <hr/> <p>(71) Alcon Inc. (21) 2022215324 (22) 15.08.2022 (54) MULTIFOCAL LENS HAVING REDUCED CHROMATIC ABERRATIONS (62) 2017367260</p> <hr/> <p>(71) AMETEK, INC. (21) 2022218491 (22) 16.08.2022 (54) CIRCUIT CARD ASSEMBLIES (31) 63/274,557 (32) 02.11.21 (33) US</p> <hr/> <p>(71) Amgen Inc. (21) 2022215259 (22) 11.08.2022 (54) Methods of treating or preventing cholesterol related disorders (62) 2020201219</p> <hr/> <p>(71) Apple Inc. (21) 2022215297 (22) 12.08.2022 (54) Creative camera (62) 2021201295</p> <hr/> <p>(71) Apple Inc. (21) 2022215309 (22) 12.08.2022 (54) Application integration with a digital assistant (61) 2020257070 (62) 2020202833</p>	<hr/> <p>(71) Apple Inc. (21) 2022218463 (22) 15.08.2022 (54) User interface camera effects (62) 2021203177</p> <hr/> <p>(71) AU ENVIRONMENTAL PTY LTD (21) 2022218481 (22) 15.08.2022 (54) LIQUID TREATMENT UNIT AND METHOD (62) 2019348193</p> <hr/> <p>(71) Aurea Software FZ-LLC (21) 2022215255 (22) 11.08.2022 (54) Extensible analytics and recommendation engine for network traffic data (62) 2020223667</p> <hr/> <p>(71) Australia Smart Green Building Pty Ltd (21) 2022218467 (22) 15.08.2022 (54) A multi-functional integral molding decorative board, preparation method and its application</p> <hr/> <p>(71) Bear Archery, Inc. (21) 2022218484 (22) 16.08.2022 (54) BOW STABILIZERS WITH MAGNETIC DAMPING (31) 17/445,634 (32) 23.08.21 (33) US</p> <hr/> <p>(71) Beijing Tusen Weilai Technology Co., Ltd. (21) 2022218458 (22) 15.08.2022 (54) Scene security level determination method, device and storage medium (31) 202111009842.X (32) 31.08.21 (33) CN</p> <hr/> <p>(71) Bioverativ USA Inc. (21) 2022215307 (22) 12.08.2022 (54) Methods of treating autoimmune and alloimmune disorders (62) 2016282782</p> <hr/> <p>(71) Blackhawk Network, Inc. (21) 2022218497 (22) 16.08.2022 (54) A system for processing, activating and redeeming value added prepaid cards (62) 2020220182</p> <hr/> <p>(71) Bonti, Inc. (21) 2022215253 (22) 11.08.2022</p>
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- (54) Botulinum neurotoxins for use in therapy  
(62) 2018237198
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- (71) BOTANICAL WATER TECHNOLOGIES IP LTD  
(21) 2022215310 (22) 12.08.2022  
(54) Isotopic Compositions  
(62) 2017329108
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- (71) BRISTOL-MYERS SQUIBB COMPANY  
(21) 2022218485 (22) 16.08.2022  
(54) MODIFIED RELAXIN POLYPEPTIDES COMPRISING A PHARMACOKINETIC ENHANCER AND USES THEREOF  
(62) 2018219283
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- (71) BuildItPayIt (BIPI) Pty Ltd; Uhrle, F.  
(21) 2022218498 (22) 16.08.2022  
(54) BuildItPayIt aka 'BIPI'  
(31) 2019902572 (32) 20.07.19 (33) AU
- 
- (71) Butterfly Network, Inc.  
(21) 2022218473 (22) 15.08.2022  
(54) Universal ultrasound device and related apparatus and methods  
(62) 2017281012
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- (71) CareFusion 303, Inc.  
(21) 2022215249 (22) 11.08.2022  
(54) MEDICAL STATION WITH MATERIAL COLLECTION POINTS AND CHANNELS  
(31) 63/232,942 (32) 13.08.21 (33) US
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- (71) Celularity Inc.  
(21) 2022215291 (22) 12.08.2022  
(54) Compositions comprising human placental perfusate cells, subpopulations thereof, and their uses  
(62) 2020202182
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- (71) Citrix Systems, Inc.  
(21) 2022215325 (22) 15.08.2022  
(54) Systems and methods for virtual session connection using component-based connection leases  
(62) 2020279011
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- (71) ColdQuanta, Inc.  
(21) 2022218475 (22) 15.08.2022  
(54) Constant-frequency acousto-optic beam steering  
(31) 17/727,756 (32) 24.04.22 (33) US  
63/235,017 19.08.21 US
- 
- (71) ColdQuanta, Inc.  
(21) 2022218477 (22) 15.08.2022
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- (54) Coherent oscillatory matterwave resonator system  
(31) 17/687,643 (32) 06.03.22 (33) US  
63/243,336 13.09.21 US  
63/297,785 09.01.22 US  
63/297,853 10.01.22 US
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- (71) CommScope Technologies LLC  
(21) 2022218596 (22) 18.08.2022  
(54) Connector assembly with grounding  
(62) 2017312480
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- Cooper, F. see RevAir, LLC  
(21) 2022215273
- 
- Cooper, F. see RevAir, LLC  
(21) 2022218474
- 
- (71) Cripps Clark, J.  
(21) 2022215299 (22) 12.08.2022  
(54) AuMake: Systems, devices & methods for monitoring, accepting input/declarations and/or assisting, controlling, collecting data or performing curated processes with accountability and permission-driven data security : configured in internal systems, or piggybacking external processing via block chained collaborative modules of education, therapy, conditional processing (eg registering, tracing), monitoring, treating, alerting and other configured services or regulatory processing in diverse settings including use in at-home care.  
(31) 2022900074 (32) 16.01.22 (33) AU  
2022902158 01.08.22 AU  
2022901447 29.05.22 AU
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- (71) Crown Equipment Corporation  
(21) 2022218500 (22) 16.08.2022  
(54) Multi-field scanning tools in materials handling vehicles  
(62) 2017315458
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- (71) CSL Behring Gene Therapy, Inc.  
(21) 2022218478 (22) 15.08.2022  
(54) Bio-production of lentiviral vectors  
(62) 2016261864
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- (71) CSR Building Products Limited  
(21) 2022215247 (22) 11.08.2022  
(54) Sheet Material Delivery System  
(62) 2016277755
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- (71) Daikin Industries, Ltd.  
(21) 2022218476 (22) 15.08.2022  
(54) Composition containing refrigerant, use of said composition, refrigerator having said composition, and method for operating said refrigerator  
(62) 2018392390
- 
- (71) Deere & Company  
(21) 2022215270 (22) 12.08.2022  
(54) Roll assembly for cotton harvester  
(31) 17/447,589 (32) 14.09.21 (33) US
- 
- (71) Delta Electronics (Shanghai) Co., Ltd.  
(21) 2022215316 (22) 12.08.2022  
(54) Energy storage system  
(31) 202111085638.6 (32) 16.09.21 (33) CN
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- (71) Dolby International AB  
(21) 2022215250 (22) 11.08.2022  
(54) PROCESSING OF AUDIO SIGNALS DURING HIGH FREQUENCY RECONSTRUCTION  
(62) 2021277643
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- (71) Dongguan qi qi clothing co., Ltd  
(21) 2022218468 (22) 15.08.2022  
(54) A Balanced Insole Structure with Massage Function  
(31) 202210239663.3 (32) 11.03.22 (33) CN
- 
- (71) Drexel University  
(21) 2022218493 (22) 16.08.2022  
(54) Compounds and compositions useful for treating or preventing cancer metastasis, and methods using same  
(62) 2016261770
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- (71) Dunlop, T.  
(21) 2022215317 (22) 12.08.2022  
(54) A System, Method and Device for Determining Conditions of a Borehole  
(62) 2020264425
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- (71) EasyFlow Oü  
(21) 2022215289 (22) 12.08.2022  
(54) Pump connecting and adjusting system  
(62) 2021204064
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- (71) Eddy Current Limited Partnership  
(21) 2022218456 (22) 15.08.2022  
(54) AN ASSEMBLY TO CONTROL OR GOVERN RELATIVE SPEED OF MOVEMENT BETWEEN PARTS  
(62) 2021204270
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- (71) Electronics Boutique Australia Pty Limited  
(21) 2022215280 (22) 12.08.2022  
(54) A DIAGNOSTIC DEVICE AND METHOD OF USE  
(31) 2021902986 (32) 16.09.21 (33) AU
- 
- (71) Eloxx Pharmaceuticals Ltd.  
(21) 2022215287 (22) 12.08.2022  
(54) Aminoglycoside derivatives and uses thereof in treating genetic disorders  
(62) 2018279318

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<p>(71) Endotronix, Inc. (21) 2022215284 (22) 12.08.2022 (54) ANCHORING SYSTEM FOR A CATHETER DELIVERED DEVICE (62) 2018254569</p>	<p>(71) Google LLC (21) 2022218466 (22) 15.08.2022 (54) PROACTIVE CACHING OF ASSISTANT ACTION CONTENT AT A CLIENT DEVICE TO ENABLE ON-DEVICE RESOLUTION OF SPOKEN OR TYPED UTTERANCES (62) 2019444630</p>	<p>(54) Post Bracket (31) 2021902499 (32) 11.08.21 (33) AU</p>
<p>(71) Esco Group LLC (21) 2022215294 (22) 12.08.2022 (54) Wear assembly for earth working equipment (62) 2017217225</p>	<p>(71) Granor Rubber &amp; Engineering Pty Ltd (21) 2022215262 (22) 11.08.2022 (54) EXPANSION JOINT ELEMENT AND SYSTEM (62) 2016262776</p>	<p>(71) Intuit Inc. (21) 2022215302 (22) 12.08.2022 (54) Matching adopting users and contributing users for decentralized software localization (62) 2019227432</p>
<p>(71) F. Hoffmann-La Roche AG (21) 2022218486 (22) 16.08.2022 (54) Process for making arylomyin ring analogs (62) 2018243724</p>	<p>(71) HONG, W. see Summit Trade &amp; Investment Pty Ltd (21) 2022218472</p>	<p>Isaacson, D. see RevAir, LLC (21) 2022215273</p>
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<p>(71) Fraser, M.A. (21) 2022215254 (22) 11.08.2022 (54) A portable shelter (62) 2021221687</p>	<p>(71) Huawei Digital Power Technologies Co., Ltd. (21) 2022218464 (22) 15.08.2022 (54) ENERGY STORAGE SYSTEM AND CONTROL METHOD THEREOF (31) 202110929718.9 (32) 13.08.21 (33) CN</p>	<p>(71) JINKO SOLAR (HAINING) CO., LTD. (21) 2022218482 (22) 15.08.2022 (54) PHOTOVOLTAIC MODULE AND METHOD FOR MANUFACTURING PHOTOVOLTAIC MODULE (31) CN (32) 28.03.22 (33) CN 202210309343.0 CN 09.06.22 CN 202210651651.1</p>
<p>Garock Pty Ltd see VVK Engineering (Pty) Ltd (21) 2022215315</p>	<p>(71) Husqvarna AB (21) 2022215312 (22) 12.08.2022 (54) Drought adjustment techniques and apparatuses for irrigation controllers (31) 63/243,066 (32) 10.09.21 (33) US</p>	<p>Joslin Diabetes Center, Inc. see University of Connecticut (21) 2022215285</p>
<p>(71) Gilead Sciences, Inc. (21) 2022218459 (22) 15.08.2022 (54) Imidazopyridine derivatives as alpha4beta7 integrin inhibitors (62) 2019373244</p>	<p>(71) IGT (21) 2022218505 (22) 17.08.2022 (54) CRYPTOCURRENCY DENOMINATED PROGRESSIVE AWARD (31) 17/410,954 (32) 24.08.21 (33) US</p>	<p>(71) Jugovic, E. (21) 2022215318 (22) 12.08.2022 (54) INTERMEDIATED ACCESS TO ENTITY INFORMATION PROFILES (62) 2017402134</p>
<p>(71) Gilead Sciences, Inc. (21) 2022218506 (22) 17.08.2022 (54) Substituted 6-azabenzimidazole compounds as HPK1 inhibitors (62) 2019372046</p>	<p>(71) INCYTE HOLDINGS CORPORATION (21) 2022218495 (22) 16.08.2022 (54) USE OF PYRAZOLOPYRIMIDINE DERIVATIVES FOR THE TREATMENT OF PI3K<math>\alpha</math> RELATED DISORDERS (62) 2020210278</p>	<p>(71) K8 Vic Pty Ltd (21) 2022215256 (22) 11.08.2022 (54) A ceiling suspension clip and suspended ceiling system formed therefrom</p>
<p>(71) GLADFIELD MALT LIMITED (21) 2022215244 (22) 11.08.2022 (54) A Pallet Stacker</p>	<p>(71) InfraBuild Wire Pty Limited (21) 2022215257 (22) 11.08.2022</p>	<p>(71) K8 Vic Pty Ltd (21) 2022215295 (22) 12.08.2022 (54) A cross rail and suspended ceiling system formed therefrom</p>
<p>(71) Globaltech Corporation Pty Ltd (21) 2022218535 (22) 17.08.2022 (54) Downhole surveying and core sample orientation systems, devices and methods (62) 2017220389</p>	<p>(71) KEARLEY, A. (21) 2022215261 (22) 11.08.2022 (54) A MIXTURE</p>	<p>(71) Komatsu Ltd. (21) 2022215314 (22) 12.08.2022</p>

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(54) Unmanned vehicle control system, un-  
manned vehicle, and unmanned vehicle  
control method  
(62) 2019315065

(71) Korex Pty Ltd  
(21) 2022218480 (22) 15.08.2022  
(54) Method And Apparatus For Separating  
Solid Contaminant Material From Soil  
(62) 2017254853

(71) Kubota Corporation  
(21) 2022218492 (22) 16.08.2022  
(54) Vehicle suspension link device and sys-  
tem, and work vehicle with such system  
(31) 21306151.8 (32) 25.08.21 (33) EP

(71) Lane, A.  
(21) 2022215322 (22) 14.08.2022  
(54) Monohull for a watercraft  
(31) 2021902863 (32) 03.09.21 (33) AU

(71) Lifetime Brands, Inc.  
(21) 2022215277 (22) 12.08.2022  
(54) Salad spinner  
(31) 17/400,737 (32) 12.08.21 (33) US

**Ludwig Institute For Cancer Research Ltd.**  
**see Agenus Inc.**  
(21) 2022215304

(71) Luke, G.  
(21) 2022215323 (22) 14.08.2022  
(54) UNDERGROUND DOG WASTE BIN

(71) Magic Leap, Inc.  
(21) 2022215258 (22) 11.08.2022  
(54) Diffraction gratings formed by metasur-  
faces having differently oriented nano-  
beams  
(62) 2018212726

(71) Mallinckrodt Hospital Products IP Lim-  
ited  
(21) 2022218487 (22) 16.08.2022  
(54) SYSTEMS AND METHOD FOR DELIV-  
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(62) 2020294269

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eering (Pty) Ltd**  
(21) 2022215315

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(21) 2022215304

(71) Meso Systems Pty Ltd  
(21) 2022218462 (22) 15.08.2022  
(54) Reinforcing system and method for re-  
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(31) 2021902730 (32) 25.08.21 (33) AU

(71) Milestone Systems A/S  
(21) 2022215283 (22) 12.08.2022  
(54) A method of training a machine learning  
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(31) EP21196002.6 (32) 10.09.21 (33) EP

(71) MISTRAS Group, Inc.  
(21) 2022215246 (22) 11.08.2022  
(54) AUTOMATED CIRCUMFERENTIAL  
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(31) 17/402,248 (32) 13.08.21 (33) US

(71) Moore-Gilbert, G.  
(21) 2022215292 (22) 12.08.2022  
(54) Vehicle UHF hand piece mount bracket

(71) Motorola Solutions, Inc.  
(21) 2022218483 (22) 16.08.2022  
(54) METHOD, SYSTEM AND COMPUTER  
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(62) 2020281176

(71) Nemaska Lithium Inc.  
(21) 2022218455 (22) 15.08.2022  
(54) Processes for preparing lithium carbon-  
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(62) 2019204129

(71) Norwood Industries Inc.  
(21) 2022215263 (22) 11.08.2022  
(54) PLANER / MOULDER DRUM BRAKE  
(31) 3,127,409 (32) 11.08.21 (33) CA

(71) Novalith Technologies Pty Ltd  
(21) 2022215306 (22) 12.08.2022  
(54) Lithium extraction method  
(62) 2021200745

(71) Offshore Vodka  
(21) 2022215303 (22) 12.08.2022  
(54) Alkaline Whisky

(71) Pivot Electronics Pty Ltd  
(21) 2022215279 (22) 12.08.2022  
(54) Terminal and disconnection link  
(62) 2020270506

(71) Quantum Nanostim LLC  
(21) 2022215308 (22) 12.08.2022

(54) Device for, and method of, neuromodu-  
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(62) PCT/US2021/017783

(71) RevAir, LLC; Thomason, S.; Cooper, F.;  
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(21) 2022215273 (22) 12.08.2022  
(54) Vacuum assisted systems and methods  
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(62) 2020204086

(71) RevAir, LLC; Thomason, S.; Cooper, F.;  
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(21) 2022218474 (22) 15.08.2022  
(54) Vacuum assisted systems and methods  
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(62) 2020204082

(71) Ripple Luxembourg S.A.  
(21) 2022215275 (22) 12.08.2022  
(54) Temporary consensus networks in a re-  
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(62) 2016336715

(71) Rite-Hite Holding Corporation  
(21) 2022215298 (22) 12.08.2022  
(54) Seal Apparatus For Dock Levelers  
(62) 2019265554

(71) Romteck Australia Pty Ltd  
(21) 2022215272 (22) 12.08.2022  
(54) Alarm Communication Device  
(31) 2021902702 (32) 24.08.21 (33) AU

(71) Ryan, G.  
(21) 2022218503 (22) 16.08.2022  
(54) Hydrant Flow Water Diffuser aparatis.

(71) Sage Products, LLC  
(21) 2022215290 (22) 12.08.2022  
(54) Patient transport apparatus and method  
(62) 2017263659

(71) Shockwave Medical, Inc.  
(21) 2022215305 (22) 12.08.2022  
(54) AORTIC LEAFLET REPAIR USING  
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(62) 2017339980

(71) SIMONELLI GROUP S.P.A.  
(21) 2022218479 (22) 15.08.2022  
(54) Improved filter holder for espresso cof-  
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(31) 102021000022868 (32) 03.09.21 (33) IT

(71) Simpori Biologics  
(21) 2022218504 (22) 16.08.2022

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(54) COMPOSITIONS CONTAINING PROBIOTIC SUPERNATANTS  
(31) 2021902547 (32) 16.08.21 (33) AU

(71) Snap-on Incorporated  
(21) 2022218471 (22) 15.08.2022  
(54) SLIDE HAMMER WEIGHTS  
(31) 17/475,739 (32) 15.09.21 (33) US

(71) St. Jude Children's Research Hospital  
(21) 2022215274 (22) 12.08.2022  
(54) Nucleic acid molecules containing spacers and methods of use thereof  
(62) 2016260401

(71) Stamicarbon B.V.  
(21) 2022215267 (22) 12.08.2022  
(54) PLANT AND PROCESS FOR PRODUCING NITRIC ACID  
(62) 2017326895

(71) Summit Trade & Investment Pty Ltd; HONG, W.  
(21) 2022218472 (22) 15.08.2022  
(54) BATTERY MODULE

(71) Suntory Holdings Limited  
(21) 2022218499 (22) 16.08.2022  
(54) Beer-taste beverage and production method thereof  
(62) 2018418908

(71) SWISS KRONO Tec AG  
(21) 2022215296 (22) 12.08.2022  
(54) Wood material panel hot press and method for operating a wood material panel hot press  
(62) 2017324217

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(21) 2022215245

(71) TAS Medical Inc.  
(21) 2022215271 (22) 12.08.2022  
(54) Systems, devices and methods for tissue fixation and approximating tissue defects  
(62) 2020355257

(71) Teslo Pty Ltd  
(21) 2022218461 (22) 15.08.2022  
(54) A LAMP COMPRISING MULTIPLE COMPONENT DESIGNS AND CONSTRUCTIONS  
(62) 2017239037

(71) The Board of Trustees of the Leland Stanford Junior University  
(21) 2022215268 (22) 12.08.2022

(54) Methods of producing epimerases and benzyloisoquinoline alkaloids  
(62) 2019246920

(71) The Boeing Company  
(21) 2022215293 (22) 12.08.2022  
(54) Ball screw rotary actuator with ball cage  
(31) 17/491,720 (32) 21.10.21 (33) US

(71) The Regents of the University of California; Aclarion, Inc.  
(21) 2022215301 (22) 12.08.2022  
(54) MAGNETIC RESONANCE SPECTROSCOPY SYSTEM AND METHOD FOR DIAGNOSING PAIN OR INFECTION ASSOCIATED WITH PROPIONIC ACID  
(62) 2017282665

(71) Therma-Stor LLC  
(21) 2022215319 (22) 14.08.2022  
(54) PARALLEL FLOW EXPANSION FOR PRESSURE AND SUPERHEAT CONTROL  
(31) 17/465,626 (32) 02.09.21 (33) US

(71) The Rockefeller University  
(21) 2022215282 (22) 12.08.2022  
(54) TREATMENT AND DIAGNOSIS OF MELANOMA  
(62) 2020200715

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(21) 2022215273

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(21) 2022218474

(71) Transportation IP Holdings, LLC  
(21) 2022218489 (22) 16.08.2022  
(54) VEHICLE CONTROL SYSTEM AND METHOD  
(31) 17/404,980 (32) 17.08.21 (33) US

(71) Trivver, Inc.  
(21) 2022218465 (22) 15.08.2022  
(54) METHODS AND SYSTEMS FOR DISPLAYING DIGITAL SMART OBJECTS IN A THREE DIMENSIONAL ENVIRONMENT  
(62) 2017295984

(71) Trivver, Inc.  
(21) 2022218469 (22) 15.08.2022  
(54) METHODS AND SYSTEMS FOR DISPLAYING INFORMATION ASSOCIATED WITH A SMART OBJECT  
(62) 2017308806

(71) Troy Wheeler Contracting Limited  
(21) 2022215326 (22) 15.08.2022

(54) A Guardrail  
(62) 2020272711

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(21) 2022218498

(71) University of Connecticut; Joslin Diabetes Center, Inc.  
(21) 2022215285 (22) 12.08.2022  
(54) Methods for treating diabetes, hepatitis, and/or inflammatory liver disease  
(62) 2019209491

(71) VITAE BIOMEDICAL CO., LTD.; TAIWAN INNOVATIVE INTEGRATION SERVICES CO., LTD.  
(21) 2022215245 (22) 11.08.2022  
(54) ANTI-GM2AP ANTIBODY AND APPLICATIONS THEREOF  
(31) 110130070 (32) 16.08.21 (33) TW

(71) Vorwerk & Co. Interholding GmbH  
(21) 2022215248 (22) 11.08.2022  
(54) Method for preparing food and food processor  
(31) 21195957.2 (32) 10.09.21 (33) EP

(71) VVK Engineering (Pty) Ltd; Garock Pty Ltd; M and J Mining (Pty) Ltd  
(21) 2022215315 (22) 12.08.2022  
(54) Rock Bolt  
(62) 2017200155

(71) Xero Limited  
(21) 2022218502 (22) 16.08.2022  
(54) Multiple server automation for secure cloud reconciliation  
(62) 2021200331

(71) YEOH LIM, K.C.  
(21) 2022218509 (22) 12.08.2022  
(54) ELECTRIC VEHICLE MINI POWER STATION GENERATORS, GEARBOX/GEARS AND POWER BOOST SYSTEM

(71) Zhejiang Orient Gene Biotech Co., Ltd  
(21) 2022215300 (22) 12.08.2022  
(54) AUTOMATIC IDENTIFICATION METHOD, APPARATUS AND DEVICE FOR DETECTION RESULTS OF IMMUNOREAGENT CARD  
(31) 2022108547961 (32) 18.07.22 (33) CN

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<b>2022215254</b>	Fraser, M.A.	<b>2022215323</b>	Luke, G.
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<b>2022215261</b>	KEARLEY, A.	<b>2022218458</b>	Beijing Tusen Weilai Technology Co., Ltd.
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<b>2022215285</b>	University of Connecticut; Joslin Diabetes Center, Inc.	<b>2022218480</b>	Korex Pty Ltd
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<b>2022215292</b>	Moore-Gilbert, G.	<b>2022218486</b>	F. Hoffmann-La Roche AG
<b>2022215293</b>	The Boeing Company	<b>2022218487</b>	Mallinckrodt Hospital Products IP Limited
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<b>2022215295</b>	K8 Vic Pty Ltd	<b>2022218489</b>	Transportation IP Holdings, LLC
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<b>2022215298</b>	Rite-Hite Holding Corporation	<b>2022218493</b>	Drexel University
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<b>2022215300</b>	Zhejiang Orient Gene Biotech Co., Ltd	<b>2022218495</b>	INCYTE HOLDINGS CORPORATION
<b>2022215301</b>	The Regents of the University of California; Aclarion, Inc.	<b>2022218497</b>	Blackhawk Network, Inc.
<b>2022215302</b>	Intuit Inc.	<b>2022218498</b>	BuildItPayIt (BIPI) Pty Ltd; Uhrle, F.
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<b>2022215304</b>	Agenus Inc.; Memorial Sloan-Kettering Cancer Center; Ludwig Institute For Cancer Research Ltd.	<b>2022218500</b>	Crown Equipment Corporation
<b>2022215305</b>	Shockwave Medical, Inc.	<b>2022218501</b>	HOLE CUTTER AUSTRALIA PTY LTD
<b>2022215306</b>	Novalith Technologies Pty Ltd	<b>2022218502</b>	Xero Limited
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**Innovation Patent Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Aug 2022 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** Arch Wood Protection (Aust) Pty Ltd  
**(21)** 2022100113      **(22)** 19.08.2022  
**(54)** A pyrethroid envelope timber treatment  
**(62)** 2021107145

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**(71)** BASF Plant Science Company GmbH  
**(21)** 2022100109      **(22)** 17.08.2022  
**(54)** Materials and methods for increasing  
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**(62)** 2022200870

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**(71)** BASF Plant Science Company GmbH  
**(21)** 2022100110      **(22)** 19.08.2022  
**(54)** Methods for optimising metabolite pro-  
duction in genetically modified plants  
and for processing these plants  
**(62)** 2017264650

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**(71)** BASF Plant Science Company GmbH  
**(21)** 2022100112      **(22)** 19.08.2022  
**(54)** Modification of plant lipids containing  
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**(62)** 2021266278

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**(71)** Bayer Australia Limited  
**(21)** 2022100111      **(22)** 19.08.2022  
**(54)** Laundry additive  
**(62)** 2021221648

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**(71)** Muddie's Holdings Pty Ltd  
**(21)** 2022100114      **(22)** 19.08.2022  
**(54)** Components for crushers and mills and  
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**(62)** 2020256375

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**2022100109** BASF Plant Science Company GmbH  
**2022100110** BASF Plant Science Company GmbH  
**2022100111** Bayer Australia Limited

**2022100112** BASF Plant Science Company GmbH  
**2022100113** Arch Wood Protection (Aust) Pty Ltd  
**2022100114** Muddie's Holdings 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
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**2002**

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- 2002300557 ( 14 )    2002300566 ( 14 )    2002313733 ( 14 )
- 2002321305 ( 14 )    2002321453 ( 14 )    2002322165 ( 14 )
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- 2004210193 ( 14 )    2004210490 ( 14 )    2004211216 ( 14 )
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- 2008207350 ( 14 )    2008210434 ( 14 )    2008213702 ( 14 )
- 2008213717 ( 14 )    2008213739 ( 14 )    2008213741 ( 14 )
- 2008213822 ( 14 )    2008213831 ( 14 )    2008213833 ( 14 )
- 2008213949 ( 14 )    2008213999 ( 14 )    2008214343 ( 14 )
- 2008214359 ( 14 )    2008216867 ( 14 )    2008221105 ( 14 )
- 2008350133 ( 14 )

**2009**

- 2009200354 ( 14 )    2009200389 ( 14 )    2009200425 ( 14 )
- 2009201544 ( 14 )    2009210660 ( 14 )    2009211159 ( 14 )
- 2009211205 ( 14 )    2009211251 ( 14 )    2009211340 ( 14 )
- 2009212243 ( 14 )    2009212468 ( 14 )    2009212748 ( 14 )
- 2009216603 ( 14 )    2009233676 ( 14 )

**2010**

- 2010200391 ( 14 )    2010202255 ( 14 )    2010202343 ( 14 )
- 2010202534 ( 14 )    2010209584 ( 14 )    2010210049 ( 14 )
- 2010210123 ( 14 )    2010210169 ( 14 )    2010210239 ( 14 )
- 2010210508 ( 14 )    2010212194 ( 14 )    2010213201 ( 14 )

**2011**

- 2011200401 ( 14 )    2011200485 ( 14 )    2011200506 ( 14 )
- 2011200514 ( 14 )    2011200618 ( 14 )    2011212478 ( 14 )
- 2011212928 ( 14 )    2011229938 ( 14 )

**2012**

- 2012200688 ( 14 )    2012202745 ( 14 )    2012211932 ( 14 )
- 2012212260 ( 14 )    2012212316 ( 14 )    2012213070 ( 14 )
- 2012213435 ( 14 )    2012213994 ( 14 )    2012214099 ( 14 )
- 2012214482 ( 14 )    2012214544 ( 14 )    2012214554 ( 14 )
- 2012214744 ( 14 )    2012214955 ( 14 )    2012214963 ( 14 )
- 2012215500 ( 14 )    2012215805 ( 14 )    2012217303 ( 14 )
- 2012220408 ( 14 )    2012243313 ( 14 )    2012244358 ( 14 )
- 2012261477 ( 14 )    2012304245 ( 14 )

**2013**

- 2013203876 ( 14 )    2013213886 ( 14 )    2013214742 ( 14 )



2013214745 ( 14 ) 2013214967 ( 14 ) 2013215296 ( 14 )  
 2013217399 ( 14 ) 2013217605 ( 14 ) 2013217913 ( 14 )  
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**2014**

2014100918 ( 22 ) 2014100922 ( 22 ) 2014100924 ( 22 )  
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**2015**

2015100129 ( 22G ) 2015200536 ( 14 ) 2015200548 ( 14 )  
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**2016**

2016100089 ( 22E ) 2016102349 ( 22E ) 2016102455 ( 22E )  
 2016200644 ( 14 ) 2016202719 ( 14 ) 2016203443 ( 14 )  
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 2016215094 ( 14 ) 2016216240 ( 14 ) 2016216259 ( 14 )  
 2016218054 ( 14 ) 2016218073 ( 14 ) 2016218108 ( 14 )  
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 2016320582 ( 5C ) 2016320586 ( 5C ) 2016329211 ( 5C )  
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 2016378610 ( 5C ) 2016382146 ( 5C ) 2016391046 ( 4C )  
 2016425526 ( 5C )

**2017**

2017100110 ( 22E ) 2017100120 ( 22G ) 2017100121 ( 22G )  
 2017100122 ( 22G ) 2017100126 ( 22E ) 2017100148 ( 22E )  
 2017100563 ( 21F ) 2017200192 ( 5C ) 2017200806 ( 4C )  
 2017200826 ( 14 ) 2017200835 ( 4C ) 2017200863 ( 4C )  
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 2017397668 ( 4C ) 2017397672 ( 4C )

**2018**

2018100129 ( 22E ) 2018100155 ( 22E ) 2018100159 ( 22E )  
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 2018407181 ( 4A ) 2018407188 ( 4A ) 2018407189 ( 4A )  
 2018407192 ( 4A ) 2018407193 ( 4A ) 2018407195 ( 4A )  
 2018407846 ( 4A )

**2019**

2019100099 ( 22E ) 2019100123 ( 22E ) 2019100133 ( 22E )  
 2019100136 ( 22G ) 2019101493 ( 22E ) 2019203220 ( 5C )  
 2019208277 ( 5C ) 2019226247 ( 14 ) 2019232827 ( 14 )  
 2019232850 ( 4C ) 2019237181 ( 5C ) 2019238378 ( 5C )  
 2019246869 ( 4D ) 2019255322 ( 5C ) 2019264022 ( 12C )  
 2019264619 ( 4C ) 2019271970 ( 16C ) 2019277664 ( 5C )  
 2019282267 ( 5C ) 2019283962 ( 5C ) 2019296127 ( 25D )  
 2019303436 ( 5C ) 2019360602 ( 5C ) 2019407929 ( 5C )  
 2019427992 ( 5C )

**2020**

2020100155 ( 22E ) 2020100159 ( 22E ) 2020100162 ( 22E )  
 2020100164 ( 22E ) 2020100169 ( 22E ) 2020100175 ( 22E )  
 2020100178 ( 22E ) 2020100179 ( 22E ) 2020100180 ( 22E )  
 2020100182 ( 22E ) 2020100183 ( 22E ) 2020100196 ( 22E )  
 2020100197 ( 22E ) 2020100199 ( 22E ) 2020100200 ( 22E )  
 2020100555 ( 22E ) 2020104415 ( 22E ) 2020200241 ( 4C )  
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 2020203978 ( 5C ) 2020204083 ( 5C ) 2020204252 ( 5C )  
 2020204642 ( 5C ) 2020205285 ( 5C ) 2020210204 ( 4C )  
 2020213323 ( 4C ) 2020213421 ( 5C ) 2020217453 ( 5C )  
 2020220102 ( 5C ) 2020239720 ( 5C ) 2020239797 ( 5C )  
 2020239830 ( 5C ) 2020256310 ( 5C ) 2020257027 ( 5C )  
 2020257141 ( 5C ) 2020260409 ( 4C ) 2020260454 ( 5C )  
 2020264308 ( 5C ) 2020273369 ( 5C ) 2020273380 ( 5C )  
 2020277156 ( 5C ) 2020294197 ( 5C )

**2021**

2021104335 ( 21F ) 2021107527 ( 22F ) 2021200760 ( 16C )  
 2021201015 ( 4C ) 2021201480 ( 5C ) 2021201649 ( 16C )  
 2021202526 ( 12AN ) 2021202696 ( 5C ) 2021203381 ( 4C )  
 2021203913 ( 4C ) 2021218058 ( 4C ) 2021221566 ( 12AN )  
 2021221629 ( 12AN ) 2021221659 ( 12AN ) 2021221686 ( 12AN )  
 2021902570 ( 12AN ) 2021902656 ( 12AN ) 2021902843 ( 12AN )  
 2021902982 ( 12AN ) 2021902993 ( 12AN ) 2021903567 ( 12AN )  
 2021903858 ( 12AN )

**2022**

2022203550 ( 1B ) 2022203551 ( 1B ) 2022203572 ( 1B )  
 2022203592 ( 1B ) 2022203627 ( 1B ) 2022203647 ( 1B )

2022900151 ( 12AN ) 2022900555 ( 12AN ) 2022901734 ( 12AN )  
2022902330 ( 12AN )

### Assignments before Grant, Section 113

#### 2017

2017242009 Eos Energy Storage, LLC The application has been assigned to **EOS Energy Technology Holdings, LLC**

2017245309 Daudet, Larry The application has been assigned to **Simpson Strong-Tie Company, Inc.**

#### 2018

2018210251 Danimer Bioplastics, Inc. The application has been assigned to **Meredian, Inc.**

2018241248 Ena Therapeutics Pty Ltd The application has been assigned to **Ena Respiratory Pty Ltd**

2018250417 Fugro Technology B.V. The application has been assigned to **FNV IP B.V.**

2018271136 Advance NanoTek Ltd. The application has been assigned to **VeganicSKN Limited**

2018300211 Cassellie Ltd The application has been assigned to **Kass Bathroom Products Limited**

2018300215 Cassellie Ltd The application has been assigned to **Kass Bathroom Products Limited**

2018300239 Zealand Pharma A/S The application has been assigned to **MannKind Corporation**

2018325477 CGG Services SAS The application has been assigned to **SERCEL SAS**

2018339213 Fugro Technology B.V. The application has been assigned to **FNV IP B.V.**

2018375287 Eos Energy Storage, LLC The application has been assigned to **EOS Energy Technology Holdings, LLC**

#### 2019

2019201150 Zou, Gaodi The application has been assigned to **Shenzhen Merrytek Technology Co., Ltd.**

2019247835 FMC Agricultural Products International AG The application has been assigned to **FMC AGRO SINGAPORE PTE. LTD.**

2019254476 Enagas Services Solutions, S.L.U.; Repsol, S.A. The application has been assigned to **SUNRGYZE, S.L.**

2019321280 Danimer Bioplastics, Inc. The application has been assigned to **Meredian, Inc.**

2019344351 Danimer Bioplastics, Inc. The application has been assigned to **Meredian, Inc.**

### Assignments before Grant, Section 113

2019360934 Danimer Bioplastics, Inc. The application has been assigned to **Meredian, Inc.**

2019406077 CRISP SENSATION Holding B.V. The application has been assigned to **Crisp Sensation Technology B.V.**

#### 2020

2020219685 Research & Business Foundation Sungkyunkwan University The application has been assigned to **Progeneer, Inc.**

2020283597 Shanghai Fochon Pharmaceutical Co., Ltd.; Fochon Pharmaceuticals, Ltd. The application has been assigned to **Fochon Biosciences, Ltd.**

2020302839 Axelia Oncology Pty Ltd The application has been assigned to **Ena Respiratory Pty Ltd**

2020309105 CryoStasis Ltd. The application has been assigned to **Cryostasis Inc.**

2020358123 CRC for Honey Bee Products The application has been assigned to **Y-Trace Pty Ltd**

2020404448 Cordless Carpet Tools Pty Ltd The application has been assigned to **Fletcher, Michael; Cordless Carpet Tools Pty Ltd**

2020416292 Cure Pharmaceutical Holding Corp. The application has been assigned to **TF Tech Ventures**

#### 2021

2021218050 McLellan, Sophie; McLellan, Jason; Jacobs, Gary; Thomas, Elizabeth The application has been assigned to **The EduPod Pty Ltd**

2021221916 BTL Healthcare Technologies a.s. The application has been assigned to **BTL Medical Solutions a.s.**

2021282544 Wearable Technology Limited The application has been assigned to **Wearable Technologies Limited**

2021902053 Zebaze, Roger The application has been assigned to **Y-Trace Pty Ltd**

2021902820 Axelia Oncology Pty Ltd The application has been assigned to **Ena Respiratory Pty Ltd**

2021903639 The University of Western Australia The application has been assigned to **Neolixir Pty Ltd**

#### 2022

2022201448 Bozso, Sabin J.; Nagendran, Jayan; Nagendran, Jeevan The application has been assigned to **Solidified Inc.**

### Extensions of Time, Section 223

#### Applications Received

**Extensions of Time, Section 223**

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

**2010**

2010336015 **Minmetals Australia Pty Ltd** An application to extend the time from 22 Dec 2020 to 22 Jul 2022 in which to pay a renewal fee has been filed . Address for service - Minmetals Australia Pty Ltd 8th Floor 564 St Kilda Road Melbourne VIC 3004 AU

**2011**

2011203723 **Rovi Guides, Inc.** An application to extend the time from 04 Jan 2022 to 04 Aug 2022 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2013**

2013204548 **MINMETALS AUSTRALIA PTY LTD** An application to extend the time from 22 Dec 2021 to 22 Jul 2022 in which to pay a renewal fee has been filed . Address for service - Minmetals Australia Pty Ltd 8th Floor 564 St Kilda Road Melbourne VIC 3004 AU

**2016**

2016100033 **RAPID NUTRITION SCIENCE PTY LTD** An application to extend the time from 14 Jan 2022 to 14 Aug 2022 in which to pay a renewal fee has been filed . Address for service - RAPID NUTRITION SCIENCE PTY LTD 40-46 Nestor Drive Meadowbrook QLD 4131 AU

2016200094 **The Paradise Seed Company, Pty Limited** An application to extend the time from 07 Jan 2022 to 07 Aug 2022 in which to pay a renewal fee has been filed . Address for service - THE PARADISE SEED COMPANY PTY. LIMITED PO Box 7003 Kariong NSW 2250 AU

**2017**

2017369971 **Oculus SA** An application to extend the time from 29 Nov 2021 to 29 Jun 2022 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019348050 **RCR MINING TECHNOLOGIES PTY LTD** An application to extend the time from 28 Apr 2021 to 28 Jun 2022 in which to enter the National Phase has been filed . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

**2022**

2022204797 **Block, Inc.** An application to extend the time from 03 Feb 2022 to 03 Aug 2022 in which to make a further application for a divisional patent has been filed . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

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

**2013**

2013334479 **The University of Newcastle** The time in which to pay a renewal fee has been extended to 22 May 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Extensions of Time, Section 223**

**2019**

2019397226 **XINTE ENERGY CO., LTD.; XINJIANG JINGSHUO NEW MATERIALS CO., LTD.** The time in which to enter the National Phase has been extended to 11 May 2022 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019398735 **NEURENT MEDICAL LIMITED** The time in which to enter the National Phase has been extended to 11 Feb 2022 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2020**

2020281026 **Miles, S.** The time in which to pay the acceptance fee has been extended to 24 Aug 2022 . Address for service - Ahearn Fox PO Box 9398 Wynnum Plaza Brisbane QLD 4178 AU

**2021**

2021100635 **SDIP Holdings Pty Ltd** The time in which to gain certification has been extended to 09 Oct 2022 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2021100637 **SDIP Holdings Pty Ltd** The time in which to gain certification has been extended to 09 Oct 2022 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2021100641 **SDIP Holdings Pty Ltd** The time in which to gain certification has been extended to 07 Mar 2022 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2021100643 **SDIP Holdings Pty Ltd** The time in which to gain certification has been extended to 09 Oct 2022 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

**2022**

2022203870 **Palmaya Pty Ltd** The time in which to make a further application for a divisional patent has been extended to 02 Jul 2022 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 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.

**2016**

2016219253 1-heterocyclyl isochromanyl compounds and analogs for treating CNS disorders **Sunovion Pharmaceuticals Inc. ; PGI Drug Discovery LLC** The nature of the amendment is as shown

**Amendments**

in the statement(s) filed 18 Aug 2022 . Address for service - HENRY HUGHES IP LTD PO Box 356 Wellington 6140 NZ

2016243052 Composition and methods of genome editing of B-cells **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement(s) filed 11 Aug 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016254226 Methods for detecting renal disease **IDEXX Laboratories, Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Aug 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016324167 Compositions derived from placenta and methods of producing the same **StimLabs, LLC** The nature of the amendment is as shown in the statement(s) filed 04 Aug 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016375187 Soluble glycoprotein V for treating thrombotic diseases **Julius-Maximilians-Universität Würzburg** The nature of the amendment is as shown in the statement(s) filed 12 Aug 2022 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street SYDNEY NSW 2000 AU

**2017**

2017240667 Chimeric antigen and T cell receptors and methods of use **Kite Pharma, Inc.** The nature of the amendment is as shown in the statement(s) filed 10 Aug 2022 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2019**

2019366249 Positioning data verification system **Transportation IP Holdings, LLC** The nature of the amendment is as shown in the statement(s) filed 17 Aug 2022 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**Amendments Made**

**2007**

2007219699 **Rheem Australia Pty Limited** The nature of the amendment is as shown in the statement(s) filed 29 Apr 2022

**2017**

2017207359 **ChemoCentryx, Inc.** The nature of the amendment is as shown in the statement filed 20 May 2022

2017229863 **Corning Optical Communications LLC** The nature of the amendment is as shown in the statement(s) filed 02 Mar 2022

2017381030 **Plasser & Theurer Export von Bahnbaumaschinen GmbH** The nature of the amendment is: Amend the invention title to read A MEASURING DEVICE AND METHOD FOR RECORDING A TRACK GEOMETRY

2017403651 **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.** The nature of the amendment is as shown in the statement filed 23 May 2022

**Amendments**

**2018**

2018261354 **The Glad Products Company** The nature of the amendment is: Amend the names of co-inventors to read Pszczolkowski, Mark D. and Mack-Robles, Nancy M.

**2019**

2019208193 **Shenzhen Merrytek Technology Co., Ltd** The nature of the amendment is: Application is to proceed under the number 2019101832

2019299473 **Truma Gerätetechnik GmbH & Co. KG** The nature of the amendment is: Amend the name of the inventor to read VENS-CHOTT, Mathias

2019315689 **Fronius International GmbH** The nature of the amendment is: Amend the invention title to read Inverter comprising intermediate circuit protection

2019325725 **Astrogen Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read HWANG, Su-Kyeong; LEE, Min Yong; SEO, Min Sook; JUN, Do Youn; KIM, Min Joo; KIM, Young Ho and JO, Young Kyoung

**2020**

2020257262 **Brown University** The nature of the amendment is: Amend the name of the inventor to read FALLON, Justin R.; WEBB, Ashley E; MCKECHNIE, Beth; SORETS, Tali; FISH, Lauren; JAIME, Diego; PAGE, John and MADIGAN, Laura A.

2020341349 **Legrand AV Inc.** The nature of the amendment is: Amend the name of the inventor to read KOLZ, Justin and GRULKOWSKI, Aaron

2020378095 **Synchron Australia Pty Limited; The University of Melbourne** The nature of the amendment is: To remove co-applicant Thomas James Oxley

2020409011 **Alcon Inc.** The nature of the amendment is as shown in the statement filed 12 Aug 2022

2020420236 **Riken; Fushimi Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read Population of antibodies comprising homogeneous antibodies each having left-right asymmetric sugar chains, and method for producing same

2020426728 **GC Corporation** The nature of the amendment is: Amend the invention title to read Dental Glass Ionomer Cement

2020427014 **Waboba AB** The nature of the amendment is as shown in the statement(s) filed 18 Aug 2022

**2021**

2021201025 **Transportation IP Holdings, LLC** The nature of the amendment is: Amend the name of the inventor to read Gubba, Sreenivasa Rao; Tamma, Bhaskar; Salazar, Victor Manuel; Klingbeil, Adam Edgar; Lavertu, Thomas Michael; Primus, Roy James; Dowell, John; Bailey, Kevin and McElhaney, Kevin

2021204986 **Fire Door Core Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107667

**Amendments**

2021206242 **Fusion Pharmaceuticals Inc.** The nature of the amendment is: Amend the name of the inventor to read MAHONEY, Stuart J.; JOHANSEN, Michael B.; MORAN, Matthew D.; CHASSÉ, Melissa; SIMMS, Ryan W.; BURAK, Eric S. and VALLIANT, John F.

2021214350 **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is: Amend the invention title to read 3-ALKOXYBENZAMIDE DERIVATIVE, AND PEST CONTROL AGENT

2021217624 **National University Corporation Tokai National Higher Education and Research System; Sowakai Medical Foundation** The nature of the amendment is: Amend the invention title to read Anti-MEFLIN antibody for use in treatment of cancer in subject having cancer, and pharmaceutical composition comprising the antibody

2021221185 **Mars, Incorporated** The nature of the amendment is as shown in the statement(s) filed 29 Jul 2022

2021223603 **Braskem S.A.** The nature of the amendment is: Amend the name of the inventor to read GALZERANI, Felipe; GOMES MOURA, Adler; SCHREINER GARCEZ LOPES, Mateus and LLERENA CALDERON, Luige Armando

2021226620 **Respireco Spółka Z Ograniczoną Odpowiedzialnością** The nature of the amendment is: Amend the name of the inventor to read BRUZI, Krzysztof and BRUZI, Renata

2021236848 **Hilti Aktiengesellschaft** The nature of the amendment is: Amend the invention title to read Mortar composition based on isocyanate amine adducts, multi-component resin system, method for the fastening of construction elements and use of the multi-component resin system for the fastening of construction elements

2021238693 **Hilti Aktiengesellschaft** The nature of the amendment is: Amend the invention title to read Isocyanate-amine-based chemical anchor with improved performance, and use thereof

2021243549 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Tunnel excavation device

2021248343 **LG Energy Solution, Ltd.** The nature of the amendment is: Amend the invention title to read Battery module including gas cutoff structure

2021259994 **Takazono Corporation** The nature of the amendment is: Amend the invention title to read Wound body, core body for wound body, combination of wound body and support shaft, and combination of wound body and medicine packing apparatus

**2022**

2022203397 **Epiroc Drilling Solutions, LLC** The nature of the amendment is: Remove priority details 16/884,275 27 May 2020 US

2022211909 **Equinox Ophthalmic, Inc.** The nature of the amendment is: Amend the invention title to read Apparatus and methods to adjust spontaneous venous pulsation

2022901917 **Silicon Quantum Computing Pty Limited** The nature of the amendment is: Amend the invention title to read Systems and methods for qubit initialisation and control

**Amendments**

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

**2008**

2008320657 Wong Pharmaceuticals (Hangzhou) Co., Ltd. The name of the patentee has been altered to **Worg Pharmaceuticals (Hangzhou) Co., Ltd.**

**2014**

2014206592 Wong Pharmaceuticals (Hangzhou) Co., Ltd. The name of the patentee has been altered to **Worg Pharmaceuticals (Hangzhou) Co., Ltd.**

2014206593 Wong Pharmaceuticals (Hangzhou) Co., Ltd. The name of the patentee has been altered to **Worg Pharmaceuticals (Hangzhou) Co., Ltd.**

**2017**

2017281847 EnviroLeach Technologies Inc. The name of the applicant has been altered to **EnviroMetal Technologies Inc.**

2017282665 Nocimed, Inc. ; The Regents of the University of California The name of the applicant has been altered to **Aclarion, Inc.; The Regents of the University of California**

**2018**

2018316662 Wong Pharmaceuticals (Hangzhou) Co., Ltd. The name of the applicant has been altered to **Worg Pharmaceuticals (Hangzhou) Co., Ltd.**

**2019**

2019356014 XenoTherapeutics, Inc.; XenoTherapeutics Corporation The name of the applicant has been altered to **XenoTherapeutics, Inc.; Alexis Bio, Inc.**

**2020**

2020244827 XenoTherapeutics, Inc.; XenoTherapeutics Corporation The name of the applicant has been altered to **XenoTherapeutics, Inc.; Alexis Bio, Inc.**

2020260894 Sumitomo Dainippon Pharma Co., Ltd.; Riken; Sumitomo Chemical Company, Limited The name of the applicant has been altered to **Sumitomo Pharma Co., Ltd.; Riken; Sumitomo Chemical Company, Limited**

**2021**

2021227766 Isotropic Systems Ltd The name of the applicant has been altered to **ALL.SPACE NETWORKS LIMITED**

2021342399 State Grid Blockchain Technology (Beijing) Co., Ltd.; State Grid Xiong'an Financial Technology Group Co., Ltd.; State Grid Henan Information & Telecommunication Company; Information and Communication Branch of State Grid Fujian Electric Power Co., Ltd.; State Grid Electronic Commerce Co., Ltd. The name of the applicant has been altered to **State Grid Digital Technology Holding CO., LTD.; State Grid Blockchain Technology (Beijing) Co., Ltd.; State Grid Xiong'an Financial Technology Group Co., Ltd.; State Grid Henan Information & Telecommunication Company; Information and Communication Branch of State Grid Fujian Electric Power Co., Ltd.**

**Amendments**

2021903915 Royal Melbourne Institute of Technology; Quantum Brilliance Pty Ltd; RMIT University The name of the applicant has been altered to **Royal Melbourne Institute of Technology; Quantum Brilliance Pty Ltd; La Trobe University**

2021904072 Euclidean Holographics Pty Ltd The name of the applicant has been altered to **Axiom Holographics Pty Ltd**

**2022**

2022206725 Wenger Manufacturing Inc. The name of the applicant has been altered to **Wenger Manufacturing, LLC.**

2022215231 The Trustees of the University of Pennsylvania; Thomas Jefferson University of Innovation Pillar The name of the applicant has been altered to **The Trustees of the University of Pennsylvania; Thomas Jefferson University**

2022901689 Vehicle Scanning Systems Pty Ltd The name of the applicant has been altered to **Western Advance Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 1934612 Ontario Inc.  
 (11) AU-A-2022211866  
 (21) 2022211866 (22) 04.08.2022  
 (54) Methods and systems for dewatering solid particles in a contaminated liquid mixture  
 (51) Int. Cl.  
*C02F 9/08* ( 2006.01 )  
*B01D 29/62* ( 2006.01 )  
*C02F 1/00* ( 2006.01 )  
*C02F 1/34* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016320582  
 (72) Powell, Anthony L.; Butters, Brian E.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) 2MT Mining Products Pty Ltd  
 (11) AU-A-2022200994  
 (21) 2022200994 (22) 15.02.2022  
 (54) RIGGING COMPONENTS  
 (51) Int. Cl.  
*F16G 11/04* ( 2006.01 )  
 (31) 2021900400 (32) 17.02.21 (33) AU  
 (43) 01.09.2022  
 (72) Conroy, David Garnet John  
 (74) Ahearn Fox

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(71) Abiomed, Inc.  
 (11) AU-A-2022215276  
 (21) 2022215276 (22) 12.08.2022  
 (54) Anti-suction blood pump inlet  
 (51) Int. Cl.  
*A61M 60/00* ( 2021.01 )  
 (43) 01.09.2022  
 (62) 2017318694  
 (72) Katerji, Ahmad El; Corbett, Scott C.; Delorenzo, Charles  
 (74) Davies Collison Cave Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2022215198  
 (21) 2022215198 (22) 10.08.2022  
 (54) UTILIZING AN ARTIFICIAL INTELLIGENCE MODEL DETERMINED FOR A TARGET DOMAIN BASED ON A DATASET ASSOCIATED WITH A SOURCE DOMAIN  
 (51) Int. Cl.  
*G06N 7/08* ( 2006.01 )  
*G06F 17/40* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2019200051  
 (72) LECUE, Freddy; KARZAND, Mohammad  
 (74) Murray Trento & Associates Pty Ltd

(71) Accenture Global Solutions Limited  
 (11) AU-A-2022215232  
 (21) 2022215232 (22) 11.08.2022  
 (54) ARTIFICIAL INTELLIGENCE AND ROBOTIC PROCESS AUTOMATION FOR AUTOMATED DATA MANAGEMENT  
 (51) Int. Cl.  
*G06Q 10/10* ( 2012.01 )  
*G10L 15/18* ( 2013.01 )  
 (43) 01.09.2022  
 (62) 2020204266  
 (72) DIWAN, Gaurav; GOGUEN, Tracy Ann  
 (74) Murray Trento & Associates Pty Ltd

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(71) Acres Technology  
 (11) AU-A-2022211906  
 (21) 2022211906 (22) 05.08.2022  
 (54) System for Promoting Play on Electronic Gaming Devices and Engagement with Casino Personnel  
 (51) Int. Cl.  
*A63F 13/00* ( 2014.01 )  
*A63F 13/85* ( 2014.01 )  
 (43) 01.09.2022  
 (62) 2017200192  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

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(71) Acres Technology  
 (11) AU-A-2022215278  
 (21) 2022215278 (22) 12.08.2022  
 (54) Reserve Credits for Use on Gaming Device  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020204159  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

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(71) AgCoTech IP Pty Ltd  
 (11) AU-A-2022201013  
 (21) 2022201013 (22) 16.02.2022  
 (54) Molasses supplement containing active agents  
 (51) Int. Cl.  
*A23K 20/158* ( 2016.01 )  
*A23K 10/33* ( 2016.01 )  
*A23K 40/30* ( 2016.01 )  
*A23K 50/10* ( 2016.01 )  
 (31) 2021900395 (32) 17.02.21 (33) AU  
 (43) 01.09.2022  
 (72) OLSSON, Charles Robert; MCKANNA, Nigel; HILL, Julian  
 (74) Spruson & Ferguson

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(71) AMO Development, LLC  
 (11) AU-A-2022215184  
 (21) 2022215184 (22) 09.08.2022

(54) Systems for ophthalmic measurements and laser surgery and systems for surgical planning based thereon  
 (51) Int. Cl.  
*A61F 9/008* ( 2006.01 )  
*A61B 3/10* ( 2006.01 )  
*A61B 3/107* ( 2006.01 )  
*A61B 3/18* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016423184  
 (72) Dewey, David A.; Gonzalez, Javier G.; Schuele, Georg; Scott, David D.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) AMO Development, LLC  
 (11) AU-A-2022215222  
 (21) 2022215222 (22) 11.08.2022  
 (54) Systems for lenticular laser incision  
 (51) Int. Cl.  
*A61F 9/008* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020239802  
 (72) Fu, Hong  
 (74) FPA Patent Attorneys Pty Ltd

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(71) AMO Development, LLC  
 (11) AU-A-2022215242  
 (21) 2022215242 (22) 11.08.2022  
 (54) Lenticular laser incision for low myopia and/or hyperopia patients  
 (51) Int. Cl.  
*A61F 9/008* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2017290369  
 (72) Malek Tabrizi, Alireza; Fu, Hong; Hill, James E.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022215213  
 (21) 2022215213 (22) 10.08.2022  
 (54) CHIP RECOGNITION SYSTEM  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 11/00* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2018200507  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022215214  
 (21) 2022215214 (22) 10.08.2022  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
*G07C 11/00* ( 2006.01 )  
*A47B 25/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 01.09.2022  
 (62) 2021201556  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2022215067  
 (21) 2022215067 (22) 08.08.2022  
 (54) Gesture based graphical user interface for managing concurrently open software applications  
 (51) Int. Cl.  
 G06F 9/44 ( 2018.01 )  
 G06F 3/048 ( 2013.01 )

(43) 01.09.2022  
 (62) 2021202903  
 (72) CHAUDHRI, Imran  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2022215188  
 (21) 2022215188 (22) 09.08.2022  
 (54) User interfaces for controlling access to applications and application-related functions on an electronic device

(51) Int. Cl.  
 H04L 67/75 ( 2022.01 )  
 G06F 3/048 ( 2013.01 )  
 G06F 11/34 ( 2006.01 )  
 G11B 20/00 ( 2006.01 )  
 H04L 65/40 ( 2022.01 )  
 H04L 67/1396 ( 2022.01 )

(43) 01.09.2022  
 (62) 2019265433  
 (72) STACK, Caelan G.; GRAHAM, David C.; CRANFILL, Elizabeth Caroline; FOSS, Christopher P.; SUZUKI, Gregg  
 (74) FPA Patent Attorneys Pty Ltd

(71) Applied Medical Resources Corporation  
 (11) AU-A-2022215161  
 (21) 2022215161 (22) 08.08.2022  
 (54) Hysterectomy Model  
 (51) Int. Cl.  
 G09B 23/28 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016329211  
 (72) Black, Katie; Hofstetter, Gregory K.; Felsinger, Natasha; Breslin, Tracy; Wachli, Serene; Kenneday, Sean  
 (74) Griffith Hack

(71) Arbutus Biopharma Corporation  
 (11) AU-A-2022215225  
 (21) 2022215225 (22) 11.08.2022  
 (54) Novel lipids and compositions for the delivery of therapeutics  
 (51) Int. Cl.  
 A01N 43/04 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2021201075  
 (72) Manoharan, Muthiah; Rajeev, Kallanthottathil G.; Butler, David; Narayanannair, Jayaprakash K.; Jayaraman, Muthusamy; Eltepu, Laxman  
 (74) Davies Collison Cave Pty Ltd

(71) Ardelyx, Inc.  
 (11) AU-A-2022211830  
 (21) 2022211830 (22) 02.08.2022  
 (54) Compounds useful for treating gastrointestinal tract disorders

(51) Int. Cl.  
 C07D 317/26 ( 2006.01 )  
 A61K 31/40 ( 2006.01 )  
 A61K 31/41 ( 2006.01 )  
 A61K 31/435 ( 2006.01 )  
 A61K 31/445 ( 2006.01 )  
 A61K 31/4462 ( 2006.01 )  
 C07D 207/12 ( 2006.01 )  
 C07D 211/56 ( 2006.01 )  
 C07D 225/02 ( 2006.01 )  
 C07D 249/04 ( 2006.01 )  
 C07D 295/033 ( 2006.01 )

(43) 01.09.2022  
 (62) 2018205400  
 (72) Dragoli, Dean; Dotsenko, Irina; Lewis, Jason  
 (74) Davies Collison Cave Pty Ltd

(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2022200970  
 (21) 2022200970 (22) 14.02.2022  
 (54) SHARED ELECTRONIC GAMING MACHINE INTERFACE INCLUDING OVERSIZED BUTTON DECK ASSEMBLY

(51) Int. Cl.  
 G07F 17/32 ( 2006.01 )  
 (31) 17/669,770 (32) 11.02.22 (33) US  
 63/149,519 15.02.21 US  
 (43) 01.09.2022  
 (72) KALRA, Harsh  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2022211912  
 (21) 2022211912 (22) 05.08.2022  
 (54) A Gaming System and Method of Gaming  
 (51) Int. Cl.  
 G07F 17/34 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020203796  
 (72) PIRES, CLAUDIO DANIEL DIAS  
 (74) Griffith Hack

Arnold, U. see Brück, T.  
 (21) 2022213744

(71) Atea Pharmaceuticals Inc.  
 (11) AU-A-2022215185  
 (21) 2022215185 (22) 09.08.2022  
 (54) 2'-substituted-N6-substituted purine nucleotides for RNA virus treatment  
 (51) Int. Cl.  
 C07H 23/00 ( 2006.01 )  
 C07H 19/16 ( 2006.01 )  
 C07H 19/207 ( 2006.01 )

(43) 01.09.2022  
 (62) 2020220216  
 (72) Sommadossi, Jean-Pierre; Moussa, Adel  
 (74) Davies Collison Cave Pty Ltd

(71) Aurea Software FZ-LLC  
 (11) AU-A-2022215255  
 (21) 2022215255 (22) 11.08.2022  
 (54) Extensible analytics and recommendation engine for network traffic data  
 (51) Int. Cl.  
 H04L 12/801 ( 2013.01 )  
 H04L 12/24 ( 2006.01 )  
 H04L 12/26 ( 2006.01 )

(43) 01.09.2022  
 (62) 2020223667  
 (72) Veres, Greg; Loop, Sandra  
 (74) Davies Collison Cave Pty Ltd

(71) Awol Outdoors, Inc.  
 (11) AU-A-2022215266  
 (21) 2022215266 (22) 11.08.2022  
 (54) Fold-out transportable partial or complete enclosure

(51) Int. Cl.  
 B60P 3/34 ( 2006.01 )  
 B60P 3/335 ( 2006.01 )  
 B60P 3/42 ( 2006.01 )  
 B62D 63/06 ( 2006.01 )  
 B62D 65/00 ( 2006.01 )

(43) 01.09.2022  
 (62) 2017238000  
 (72) Vandergon, Cedar; Fleischhacker, Kevin; Davidson, Scott; Cradit, Todd; Bartelt, Jon; McGregor, Shawn; McGregor, Kevin; Koehler, Steven M.; Braun, Benjamin; Franta, Matthew  
 (74) LAMINAR IP PTY LTD

(71) Bay6 Solutions Inc  
 (11) AU-A-2022201055  
 (21) 2022201055 (22) 17.02.2022  
 (54) Magnetic Filter Cartridge and Filter Assembly  
 (51) Int. Cl.  
 B01D 27/00 ( 2006.01 )  
 B01D 35/06 ( 2006.01 )  
 (31) 63/150,473 (32) 17.02.21 (33) US  
 (43) 01.09.2022  
 (72) Marchand, Roger L.; Tschetter, Douglas J.; Evenson, Trevor James Robert  
 (74) Clark Intellectual Property Pty Ltd

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (11) AU-A-2022200899  
 (21) 2022200899 (22) 11.02.2022  
 (54) Data transmission apparatus and data transmission systems  
 (51) Int. Cl.  
 G01S 13/931 ( 2020.01 )  
 G01S 17/931 ( 2020.01 )  
 (31) 202110186744.7 (32) 18.02.21 (33) CN  
 (43) 01.09.2022  
 (72) ZHANG, Yu; HAO, Jianan  
 (74) FB Rice Pty Ltd



Applications Open to Public Inspection - Name Index cont'd

- 
- (71) BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH  
 (11) AU-A-2022215196  
 (21) 2022215196 (22) 10.08.2022  
 (54) Predicting T cell epitopes useful for vaccination  
 (51) Int. Cl.  
 G01N 33/50 ( 2006.01 )  
 G01N 33/68 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016217965  
 (72) Sahin, Ugur; Lower, Martin; Tadmor, Arbel D.; Boegel, Sebastian; Schrors, Barbara; Vormehr, Mathias; Kreiter, Sebastian  
 (74) FB Rice Pty Ltd
- 
- (71) Bioverativ Therapeutics Inc.  
 (11) AU-A-2022215218  
 (21) 2022215218 (22) 10.08.2022  
 (54) Lyophilized factor IX formulations  
 (51) Int. Cl.  
 F26B 5/06 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020202863  
 (72) THOME, Brian M.; PARKHURST-LANG, Cherie; LEVEILLE, Brandon W.  
 (74) Spruson & Ferguson
- 
- (71) Bitdefender IPR Management Ltd  
 (11) AU-A-2021232816  
 (21) 2021232816 (22) 17.09.2021  
 (54) SECURITY APPLIANCE FOR PROTECTING POWER-SAVING WIRELESS DEVICES AGAINST ATTACK  
 (51) Int. Cl.  
 H04W 12/12 ( 2021.01 )  
 G06F 21/55 ( 2013.01 )  
 G06F 21/60 ( 2013.01 )  
 G08B 23/00 ( 2006.01 )  
 H04W 12/122 ( 2021.01 )  
 (31) 17/248,909 (32) 12.02.21 (33) US  
 (43) 01.09.2022  
 (72) Munteanu, Cristian; Szente, Balint; Farkas, Gyula  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) BLACKPOWDER PRODUCTS, INC.  
 (11) AU-A-2022200834  
 (21) 2022200834 (22) 09.02.2022  
 (54) HYBRID CARBON - STEEL FIREARM BARREL  
 (51) Int. Cl.  
 B32B 19/02 ( 2006.01 )  
 B32B 15/02 ( 2006.01 )  
 F41C 7/00 ( 2006.01 )  
 F41C 27/00 ( 2006.01 )  
 (31) 63/150,212 (32) 17.02.21 (33) US  
 63/215,753 28.06.21 US  
 63/305,797 02.02.22 US
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- (43) 01.09.2022  
 (72) BORETTO, Tod D.; HANUS, Daniel J.; SANDERCOCK, Brady E.; RACIONERO, Ion  
 (74) RnB IP Pty Ltd
- 
- (71) Bliis Innovations Pty Ltd  
 (11) AU-A-2021218088  
 (21) 2021218088 (22) 18.08.2021  
 (54) Camera Mount  
 (51) Int. Cl.  
 F16M 11/14 ( 2006.01 )  
 F16M 13/02 ( 2006.01 )  
 G03B 17/56 ( 2021.01 )  
 G08B 13/196 ( 2006.01 )  
 (31) 2021900346 (32) 12.02.21 (33) AU  
 (43) 01.09.2022  
 (72) Blackwell, Matthew John; Khoury, Edward Joseph  
 (74) Armour IP Pty Ltd
- 
- (71) Bluescope Steel Limited  
 (11) AU-A-2022215205  
 (21) 2022215205 (22) 10.08.2022  
 (54) Metal-coated steel strip  
 (51) Int. Cl.  
 C23C 2/04 ( 2006.01 )  
 C23C 22/77 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020203488  
 (72) Renshaw, Wayne Andrew; Tu, Cat; Williams, Joe; Hodges, Jason; Fujii, Shiro; Hirasawa, Takashi; Kondo, Shuichi; Shimoda, Nobuyuki  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- Board of Regents, The University of Texas Systems see Sangamo Therapeutics, Inc.**  
 (21) 2022211891
- 
- (71) Bonti, Inc.  
 (11) AU-A-2022215253  
 (21) 2022215253 (22) 11.08.2022  
 (54) Botulinum neurotoxins for use in therapy  
 (51) Int. Cl.  
 A61K 8/02 ( 2006.01 )  
 A61K 8/98 ( 2006.01 )  
 A61K 38/48 ( 2006.01 )  
 C07K 14/33 ( 2006.01 )  
 C12N 9/52 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2018237198  
 (72) Abushakra, Sawsan; Ahmad, Wajdie; Hasan, Faud; Jarpe, Michael  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) BPW Bergische Achsen KG  
 (11) AU-A-2022215152  
 (21) 2022215152 (22) 08.08.2022  
 (54) BRAKE LINING FOR A DISC BRAKE, DISC-BRAKE HOLD-DOWN FOR BRAKE LININGS OF A DISC BRAKE  
 (51) Int. Cl.  
 F16D 55/2255 ( 2006.01 )
- 
- F16D 65/097 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016377859  
 (72) Neumann, Arthur  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Brück, T.; Arnold, U.; Kuse, K.  
 (11) AU-A-2022213744  
 (21) 2022213744 (22) 08.08.2022  
 (54) CARBON FIBERS WHICH CAN BE PRODUCED REGENERATIVELY OR PART-REGENERATIVELY FROM CO2 USING COMBINED PRODUCTION METHODS  
 (51) Int. Cl.  
 D01F 9/22 ( 2006.01 )  
 C12N 1/12 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2017366602  
 (72) Brück, Thomas; Arnold, Uwe; Kuse, Kolja  
 (74) Adams Pluck
- 
- (71) Buffalo Beginnings, LLC.  
 (11) AU-A-2022211885  
 (21) 2022211885 (22) 04.08.2022  
 (54) CONCRETE WET CAST READY MIX COMPOSITION  
 (51) Int. Cl.  
 C04B 14/22 ( 2006.01 )  
 C04B 18/04 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020239830  
 (72) Gauci, Anthony; Meyer, Michael R.  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71) Cantor Index LLC  
 (11) AU-A-2022213716  
 (21) 2022213716 (22) 08.08.2022  
 (54) SYSTEM AND METHOD FOR BETTING ON A SUBSET OF PARTICIPANTS IN AN EVENT  
 (51) Int. Cl.  
 G06K 50/34 ( 2012.01 )  
 G07F 17/32 ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020220102  
 (72) Amaitis, Lee M.; Asher, Joseph M.; Burgess, Adam; Crosthwaite, Dominic  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Celularity Inc.  
 (11) AU-A-2022215207  
 (21) 2022215207 (22) 10.08.2022  
 (54) Therapy with cells from human placenta and hematopoietic cells  
 (51) Int. Cl.  
 A61K 35/44 ( 2015.01 )  
 (43) 01.09.2022  
 (62) 2020202076  
 (72) GURNEY, Jodi P.; ZHANG, Xiaokui; HERB, Stacy; HARIRI, Robert J.  
 (74) FB Rice Pty Ltd
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Applications Open to Public Inspection - Name Index cont'd

(71) Celularity Inc.  
 (11) AU-A-2022215291  
 (21) 2022215291 (22) 12.08.2022  
 (54) Compositions comprising human placental perfusate cells, subpopulations thereof, and their uses  
 (51) Int. Cl.  
*A61K 45/00* ( 2006.01 )  
*A01N 63/00* ( 2020.01 )  
 (43) 01.09.2022  
 (62) 2020202182  
 (72) GURNEY, Jodi P.; ZHANG, Xiaokui; HERB, Stacy; HARIRI, Robert J.  
 (74) FB Rice Pty Ltd

(71) Clever Power Pty Ltd  
 (11) AU-A-2022200915  
 (21) 2022200915 (22) 11.02.2022  
 (54) Gasification process  
 (51) Int. Cl.  
*C10J 3/00* ( 2006.01 )  
*C10K 1/34* ( 2006.01 )  
 (31) 2021900351 (32) 12.02.21 (33) AU  
 (43) 01.09.2022  
 (72) Cork, David  
 (74) Davies Collison Cave Pty Ltd

Cooper, F. see RevAir, LLC

(21) 2022215273

(71) CSR Building Products Limited  
 (11) AU-A-2022215247  
 (21) 2022215247 (22) 11.08.2022  
 (54) Sheet Material Delivery System  
 (51) Int. Cl.  
*E04F 21/18* ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2016277755  
 (72) Halbert, Richard John; Vegvari, Jeffrey Alan  
 (74) Griffith Hack

(71) Deere & Company  
 (11) AU-A-2022200213  
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 (74) Davies Collison Cave Pty Ltd

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*A61F 2/38* ( 2006.01 )  
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(71) Diogenes Limited  
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 (54) Wagering apparatus, methods and systems  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
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 (72) MARANTELLI, Bernard J.  
 (74) FB Rice Pty Ltd

(71) Dispensing Technologies B.V.  
 (11) AU-A-2022211890  
 (21) 2022211890 (22) 04.08.2022  
 (54) System and method for dispensing liquid foam, in particular a direct-foam cleaning product  
 (51) Int. Cl.  
*B05B 11/00* ( 2006.01 )  
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 (72) MAAS, Wilhelmus Johannes Joseph; NERVO, Paulo  
 (74) Spruson & Ferguson

(71) Diverse Industries Intl. Pty Ltd  
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 (54) Signalling device and method  
 (51) Int. Cl.  
*B60Q 1/50* ( 2006.01 )  
*B60Q 1/16* ( 2006.01 )  
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 (72) Wray, Murray; Bourgeon, Leon  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) A security screen assembly  
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*E06B 3/30* ( 2006.01 )  
*E06B 9/01* ( 2006.01 )  
*E06B 9/02* ( 2006.01 )  
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 (72) DOLAN, Grant  
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(71) Dolby International AB  
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 (21) 2022215160 (22) 08.08.2022  
 (54) Method and apparatus for compressing and decompressing a Higher Order Ambisonics signal representation  
 (51) Int. Cl.  
*H04H 20/89* ( 2008.01 )

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 (72) KRUGER, Alexander; KORDON, Sven; BOEHM, Johannes; BATKE, Johann-Markus  
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 (21) 2022215250 (22) 11.08.2022  
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 (51) Int. Cl.  
*G10L 21/02* ( 2013.01 )  
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 (74) Chrysiliou IP

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 (51) Int. Cl.

*F16K 3/10* ( 2006.01 )  
*A62C 3/02* ( 2006.01 )  
*B64D 1/16* ( 2006.01 )  
*F16K 1/12* ( 2006.01 )  
*F16K 1/38* ( 2006.01 )  
*F16K 1/48* ( 2006.01 )  
*F16K 7/16* ( 2006.01 )  
 (31) 63/149,188 (32) 12.02.21 (33) US  
 (43) 01.09.2022  
 (72) Arney, Donald Brian  
 (74) AJ Pietras IP Limited

(71) Drill-Bourn Pty Ltd  
 (11) AU-A-2022212857  
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 (54) Machine Stand and Method of Supporting a Machine using a Stand  
 (51) Int. Cl.  
*F16M 11/16* ( 2006.01 )  
*B66F 3/30* ( 2006.01 )  
*B66F 17/00* ( 2006.01 )  
*F16M 1/026* ( 2006.01 )  
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 (72) Elbourn, Andrew Phillip  
 (74) Caska Intellectual Property Pty Ltd

(71) Droplet Bag Mine Support Innovations (Pty) Ltd  
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 (21) 2022200343 (22) 19.01.2022  
 (54) Support  
 (51) Int. Cl.  
*E21D 15/48* ( 2006.01 )  
*E02B 3/12* ( 2006.01 )  
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 (54) PUFA SALT FORMULATIONS (II)  
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 A23L 33/12 (2016.01)  
 A23L 3/46 (2006.01)  
 A23L 33/18 (2016.01)  
 A23L 33/185 (2016.01)  
 A23P 10/30 (2016.01)

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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) Primary alkaline battery with integrated in-cell resistances  
 (51) Int. Cl.  
 H01M 4/42 (2006.01)  
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 H01M 6/06 (2006.01)

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 (74) Griffith Hack

(71) EasyFlow Oü  
 (11) AU-A-2022215289  
 (21) 2022215289 (22) 12.08.2022  
 (54) Pump connecting and adjusting system  
 (51) Int. Cl.  
 F04D 29/42 (2006.01)  
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 (72) Tiganik, Taavi; Maksimenko, Maksim  
 (74) Intellepro Patent & Trade Mark Attorneys

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 (54) Heart valve docking devices and systems  
 (51) Int. Cl.  
 A61F 2/24 (2006.01)  
 A61B 17/00 (2006.01)

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 (54) Aminoglycoside derivatives and uses thereof in treating genetic disorders  
 (51) Int. Cl.  
 C07H 15/224 (2006.01)  
 A61P 21/00 (2006.01)  
 A61P 21/04 (2006.01)  
 C07H 15/222 (2006.01)  
 C07H 15/23 (2006.01)

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 (11) AU-A-2022215209  
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 (51) Int. Cl.  
 B01L 3/00 (2006.01)  
 B01D 19/00 (2006.01)  
 B01D 53/22 (2006.01)  
 C12M 1/04 (2006.01)  
 C12M 3/06 (2006.01)  
 G01N 1/40 (2006.01)

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 (74) FPA Patent Attorneys Pty Ltd

(71) Endotronix, Inc.  
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 (54) ANCHORING SYSTEM FOR A CATHETER DELIVERED DEVICE  
 (51) Int. Cl.  
 A61B 5/0215 (2006.01)

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 (72) ROYER, Trace; PANIAN, Tyler; SCHALLER, David  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2022211909  
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 (54) Apparatus and methods to adjust ocular blood flow  
 (51) Int. Cl.  
 A61B 3/12 (2006.01)  
 A61B 3/16 (2006.01)  
 A61B 5/021 (2006.01)  
 A61B 5/024 (2006.01)  
 A61B 5/03 (2006.01)  
 A61F 9/00 (2006.01)

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 (51) Int. Cl.  
 C07D 519/00 (2006.01)  
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 (11) AU-A-2022211904  
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 (54) Patient interface with venting  
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 A61M 16/06 (2006.01)  
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 (74) AJ PARK

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 (54) VALSALVA MASK  
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 A61M 16/00 (2006.01)

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 A61M 16/06 (2006.01)  
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 (54) SECURING DEVICE  
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 (54) FISHING SPINNING REEL  
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 (54) EXPANSION JOINT ELEMENT AND SYSTEM  
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     **E01D 19/06** ( 2006.01 )  
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(71) Hangzhou DAC Biotech Co., Ltd  
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 (51) Int. Cl.  
     **B66D 1/30** ( 2006.01 )  
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 (72) Harrison, Matthew  
 (74) BRM Patent Attorneys Pty Ltd

(71) HeartSine Technologies Limited  
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 (54) Cardio pulmonary resuscitation feedback system  
 (51) Int. Cl.  
     **A61H 31/00** ( 2006.01 )  
     **A61B 5/021** ( 2006.01 )  
     **A61B 5/083** ( 2006.01 )  
     **A61B 5/11** ( 2006.01 )  
     **A61B 5/1455** ( 2006.01 )  
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 (51) Int. Cl.  
     **B02C 4/32** ( 2006.01 )  
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 (54) Ultrasonic testing using a phased array  
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 (51) Int. Cl.  
     **F24F 11/00** ( 2018.01 )  
     **G05D 23/19** ( 2006.01 )  
     **G06N 7/00** ( 2006.01 )

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     **G01F 15/14** ( 2006.01 )  
     **G01F 1/66** ( 2022.01 )  
     **G01F 1/667** ( 2022.01 )  
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(71) Houghton Leisure Products Pty Ltd  
 (11) AU-A-2022215157  
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 (54) AN AIR CONDITIONING UNIT  
 (51) Int. Cl.  
     **B60H 1/00** ( 2006.01 )  
     **B60H 1/24** ( 2006.01 )  
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 (72) Karas, Andrew Robert  
 (74) Madderns Pty Ltd

Howard, M. see Ross Equipment Australia Pty Ltd  
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 (54) Compounds and matrices for use in bone growth and repair  
 (51) Int. Cl.  
     **A61K 31/4706** ( 2006.01 )  
     **A61K 31/47** ( 2006.01 )  
     **A61K 31/4704** ( 2006.01 )  
     **A61P 19/00** ( 2006.01 )

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(54) A drill unit with a motor unit and a gear unit  
(51) Int. Cl.  
B23B 45/02 ( 2006.01 )  
B25F 5/00 ( 2006.01 )  
B28D 1/14 ( 2006.01 )  
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(11) AU-A-2022215223  
(21) 2022215223 (22) 11.08.2022  
(54) System and method for synchronous processing of analog and digital pathways in a digital radio receiver  
(51) Int. Cl.  
H04H 20/30 ( 2008.01 )  
H04H 40/18 ( 2008.01 )  
H04H 60/11 ( 2008.01 )  
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(74) Davies Collison Cave Pty Ltd
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H04L 5/00 ( 2006.01 )  
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(54) VIRTUAL CHIP PURCHASE VOUCHERS  
(51) Int. Cl.  
G06Q 50/34 ( 2012.01 )  
G06Q 20/00 ( 2012.01 )  
G07F 17/32 ( 2006.01 )  
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(51) Int. Cl.  
C07K 14/47 ( 2006.01 )  
A61K 38/00 ( 2006.01 )  
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(11) AU-A-2022215237  
(21) 2022215237 (22) 11.08.2022  
(54) Methods of preparing indolinobenzodiazepine derivatives  
(51) Int. Cl.  
C07D 487/04 ( 2006.01 )  
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(72) GÉRARD, Baudouin; SILVA, Richard A.; MILLER, Michael Louis; SHIZUKA, Manami  
(74) Davies Collison Cave Pty Ltd
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- (71) Incall Limited  
(11) AU-A-2022215183  
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(54) Telecommunications call augmentation system  
(51) Int. Cl.  
H04M 3/487 ( 2006.01 )  
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H04M 7/00 ( 2006.01 )  
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(72) GREEN, Chaim Aaron James; NYMAN, Joshua  
(74) Spruson & Ferguson
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(54) Hydrogenation process  
(51) Int. Cl.  
B01J 8/02 ( 2006.01 )  
C07B 35/02 ( 2006.01 )  
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(72) Tames, Oliver Alexander Albert  
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(21) 2022215177 (22) 09.08.2022  
(54) Methods and apparatus for electrosurgical illumination  
(51) Int. Cl.  
A61N 1/40 ( 2006.01 )  
A61B 17/32 ( 2006.01 )  
A61B 18/14 ( 2006.01 )
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2022215260  
(21) 2022215260 (22) 11.08.2022  
(54) Novel 6-6 bicyclic aromatic ring substituted nucleoside analogues for use as PRMT5 inhibitors  
(51) Int. Cl.  
C07D 471/04 ( 2006.01 )  
A61K 31/519 ( 2006.01 )  
A61K 31/53 ( 2006.01 )  
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(54) Flexible container for concentrated product  
(51) Int. Cl.  
B65D 75/58 ( 2006.01 )  
A61J 9/00 ( 2006.01 )  
B65D 85/816 ( 2006.01 )  
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(72) CARDONES, Michelle; MOSCHER-OSCH, H. Michael  
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(11) AU-A-2022215238  
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(54) METHODS AND COMPOSITIONS FOR MODIFYING PLANT GROWTH AND REDUCING WATER CONSUMPTION BY PLANTS  
(51) Int. Cl.  
A01N 25/04 ( 2006.01 )  
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2022200779 (22) 07.02.2022  
 (54) MANAGEMENT OF THE DISTRIBUTION OF GAS CYLINDERS IN A HOSPITAL FACILITY  
 (51) Int. Cl.  
**G16H 40/40** ( 2018.01 )  
**G06Q 99/00** ( 2006.01 )  
**G16Y 10/60** ( 2020.01 )  
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 (54) Vacuum cleaner nozzle  
 (51) Int. Cl.  
**A47L 11/20** ( 2006.01 )  
**A47L 9/06** ( 2006.01 )  
**A47L 11/202** ( 2006.01 )  
**A47L 11/40** ( 2006.01 )  
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 (11) AU-A-2022215197  
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 (54) Method and device for performing image decoding on basis of intra prediction in image coding system  
 (51) Int. Cl.  
**H04N 19/117** ( 2014.01 )  
**H04N 19/105** ( 2014.01 )  
**H04N 19/11** ( 2014.01 )  
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 (54) Vacuum adiabatic body and refrigerator  
 (51) Int. Cl.  
**F25D 23/06** ( 2006.01 )  
**F16L 59/02** ( 2006.01 )  
**F16L 59/065** ( 2006.01 )  
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**F25D 29/00** ( 2006.01 )

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 (74) Dentons Patent Attorneys Australasia Limited

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 (54) Vacuum adiabatic body and refrigerator  
 (51) Int. Cl.  
**F25D 23/06** ( 2006.01 )  
**F16L 59/02** ( 2006.01 )  
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**F25D 27/00** ( 2006.01 )  
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(71) Liberation Developments Pty Ltd  
 (11) AU-A-2022215164  
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 (54) A WEIGHTED SUPPORT ASSEMBLY  
 (51) Int. Cl.  
**E04H 17/22** ( 2006.01 )  
**E04G 21/32** ( 2006.01 )  
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 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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 (54) Calibration of magnetic and optical sensors in a virtual reality or augmented reality display system  
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**G06F 3/01** ( 2006.01 )  
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 (51) Int. Cl.

**G02B 1/00** ( 2006.01 )  
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**H01Q 15/02** ( 2006.01 )  
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 (11) AU-A-2022211868  
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 (54) Steering mechanism for portable surgical robot  
 (51) Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
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 (54) BINDING MACHINE  
 (51) Int. Cl.  
**E04G 21/12** ( 2006.01 )  
**B25B 25/00** ( 2006.01 )  
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 (21) 2022215190 (22) 09.08.2022  
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 (51) Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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 (54) A buckle  
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**G05G 5/18** ( 2006.01 )

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(54) COMPOSITIONS FOR TREATING OR PREVENTING VASOMOTOR SYMPTOMS  
(51) Int. Cl.  
A61K 31/472 ( 2006.01 )  
A61K 31/4725 ( 2006.01 )  
A61P 9/00 ( 2006.01 )  
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(11) AU-A-2020281104  
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(54) My Ability Care Your Choice-Your Future  
(51) Int. Cl.  
G06Q 90/00 ( 2006.01 )  
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(43) 01.09.2022  
(72) Hanifi, Maywand  
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(11) AU-A-2022211880  
(21) 2022211880 (22) 04.08.2022  
(54) METHODS AND MATERIALS FOR ASSESSING HOMOLOGOUS RECOMBINATION DEFICIENCY  
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C12Q 1/68 ( 2018.01 )  
G01N 33/15 ( 2006.01 )  
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(74) Arcadia Intellectual Property
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(51) Int. Cl.  
E02F 3/36 ( 2006.01 )  
B65D 88/12 ( 2006.01 )  
B65D 88/56 ( 2006.01 )  
B65D 90/00 ( 2006.01 )  
B65D 90/62 ( 2006.01 )  
E02F 3/40 ( 2006.01 )  
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G01S 15/89 ( 2006.01 )
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G09B 29/00 ( 2006.01 )  
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A61B 17/15 ( 2006.01 )  
A61B 17/17 ( 2006.01 )  
A61B 17/80 ( 2006.01 )  
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(74) ALLENS PATENT & TRADE MARK ATTORNEYS
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(54) TACKLING LAMINATED RAIL WITH IN-SET TRACK GUIDE  
(51) Int. Cl.  
B23D 55/02 ( 2006.01 )  
B23D 53/02 ( 2006.01 )  
B27B 13/02 ( 2006.01 )  
B27B 15/02 ( 2006.01 )  
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(74) Phillips Ormonde Fitzpatrick
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A61K 9/20 ( 2006.01 )  
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(54) Medical Device  
(51) Int. Cl.  
A61F 11/04 ( 2006.01 )  
A61B 5/293 ( 2021.01 )  
A61M 5/142 ( 2006.01 )  
A61M 60/165 ( 2021.01 )  
A61N 1/05 ( 2006.01 )  
A61N 1/362 ( 2006.01 )  
H04R 1/06 ( 2006.01 )  
H04R 1/40 ( 2006.01 )  
H04R 25/02 ( 2006.01 )  
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H04L 65/613 ( 2022.01 )  
H04L 65/1023 ( 2022.01 )  
H04L 65/1108 ( 2022.01 )  
H04L 67/025 ( 2022.01 )  
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(21) 2022201050 (22) 17.02.2022  
(54) IMPROVING SITUATIONAL AWARENESS, COMMUNICATION, AND SAFETY IN HEARING PROTECTION AND COMMUNICATION SYSTEMS  
(51) Int. Cl.  
G08B 21/02 ( 2006.01 )  
A61F 11/14 ( 2006.01 )  
G08B 3/10 ( 2006.01 )  
G08B 5/22 ( 2006.01 )  
G08B 6/00 ( 2006.01 )  
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(74) Michael Buck IP
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(51) Int. Cl.  
F03B 7/00 ( 2006.01 )  
F03B 17/06 ( 2006.01 )  
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(72) PIERANTOZZI, Ronald  
(74) Patenteur Pty Ltd
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(54) A Puzzle Case  
(51) Int. Cl.  
A63F 9/10 ( 2006.01 )  
(31) 2021900408 (32) 18.02.21 (33) AU  
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(74) LESICAR MAYNARD ANDREWS PTY LTD
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*H01R 31/08* ( 2006.01 )  
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 (54) SUBCUTANEOUS ADMINISTRATION OF ADAMTS13  
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*A61K 38/48* ( 2006.01 )  
*A61P 7/02* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
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 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2022215168  
 (21) 2022215168 (22) 09.08.2022  
 (54) SYSTEM AND METHOD FOR DISABLED USER ASSISTANCE  
 (51) Int. Cl.  
*G06Q 20/20* ( 2012.01 )  
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 (54) Improved portable fuel container  
 (51) Int. Cl.  
*B65D 39/08* ( 2006.01 )  
*B65D 41/04* ( 2006.01 )  
*B65D 41/34* ( 2006.01 )  
*B65D 50/06* ( 2006.01 )  
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 (72) Haines, Colin Martin  
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 (54) Agricultural toolbar apparatus, systems, and methods  
 (51) Int. Cl.  
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 (54) MOS TRANSISTOR OFFSET-CANCELLING DIFFERENTIAL CURRENT-LATCHED SENSE AMPLIFIER  
 (51) Int. Cl.  
*G11C 7/06* ( 2006.01 )  
*G11C 7/08* ( 2006.01 )  
*G11C 11/16* ( 2006.01 )  
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 (11) AU-A-2022215224  
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 (54) SHIELDING FACILITY AND METHOD OF MAKING THEREOF  
 (51) Int. Cl.  
*G21C 11/00* ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2022215154  
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 (54) SYSTEMS AND METHODS FOR MITIGATING INTERFERENCE WITHIN ACTIVELY USED SPECTRUM  
 (51) Int. Cl.  
*H04B 7/0456* ( 2017.01 )  
*H04B 7/06* ( 2006.01 )  
*H04J 11/00* ( 2006.01 )  
*H04L 5/00* ( 2006.01 )  
*H04W 4/00* ( 2018.01 )  
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 (74) Ellis Terry
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 (54) ASSEMBLY LINE WITH INTEGRATED ELECTRONIC VISUAL INSPECTION  
 (51) Int. Cl.  
*G16C 10/00* ( 2019.01 )  
*G06T 7/00* ( 2017.01 )  
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 (21) 2022215273 (22) 12.08.2022  
 (54) Vacuum assisted systems and methods for grooming hair  
 (51) Int. Cl.  
*A45D 20/12* ( 2006.01 )  
*A45D 2/00* ( 2006.01 )  
*A45D 19/04* ( 2006.01 )  
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 (74) Spruson & Ferguson
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 (11) AU-A-2022211916  
 (21) 2022211916 (22) 05.08.2022  
 (54) COMPOUNDS THAT PARTICIPATE IN COOPERATIVE BINDING AND USES THEREOF  
 (51) Int. Cl.  
*C07D 498/18* ( 2006.01 )  
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 (11) AU-A-2022200902  
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 (54) An Automated Loyalty Point Generation System  
 (51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
*G06Q 40/04* ( 2012.01 )  
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 (74) Stellar Law Pty Ltd
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- (71) Rockwell Collins, Inc.  
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 (21) 2022200987 (22) 15.02.2022  
 (54) Soldier and surface vehicle heads-up display imagery compensation system to align imagery with surroundings  
 (51) Int. Cl.  
*G02B 27/01* ( 2006.01 )  
*G06T 3/20* ( 2006.01 )  
*G09G 5/00* ( 2006.01 )  
 (31) 17/174,711 (32) 12.02.21 (33) US  
 (43) 01.09.2022  
 (72) Mills, Martin  
 (74) Griffith Hack



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Howard, M.
- (11) AU-A-2022200968  
(21) 2022200968 (22) 14.02.2022  
(54) FRICTION WEGDE DAMPER STRUCTURE FOR A 3-PIECE BOGIE  
(51) Int. Cl.  
**B61F 5/12** ( 2006.01 )
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(43) 01.09.2022  
(72) Howard, Michael  
(74) Koch IP Pty Ltd
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- (71) Sage Global Services Limited  
(11) AU-A-2021290215  
(21) 2021290215 (22) 20.12.2021  
(54) SQL STATEMENT GENERATOR  
(51) Int. Cl.  
**G06F 16/2452** ( 2019.01 )  
**G06Q 99/00** ( 2006.01 )
- (31) 21151432.8 (32) 13.02.21 (33) EP  
(43) 01.09.2022  
(72) JOUHIER, Bruno Claude JeanMarie  
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Sage Products, LLC  
(11) AU-A-2022215290  
(21) 2022215290 (22) 12.08.2022  
(54) Patient transport apparatus and method  
(51) Int. Cl.  
**A61G 7/057** ( 2006.01 )  
**A61G 7/10** ( 2006.01 )
- (43) 01.09.2022  
(62) 2017263659  
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(74) FB Rice Pty Ltd
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- (71) Sangamo Therapeutics, Inc.; Board of Regents, The University of Texas Systems  
(11) AU-A-2022211891  
(21) 2022211891 (22) 04.08.2022  
(54) Methods And Compositions For Modification of HLA  
(51) Int. Cl.  
**C12N 5/00** ( 2006.01 )  
**C12N 5/02** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )
- (43) 01.09.2022  
(62) 2020203765  
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(74) WRAYS PTY LTD
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- (71) SEW-EURODRIVE GmbH & Co. KG  
(11) AU-A-2022211892  
(21) 2022211892 (22) 04.08.2022  
(54) Standardized modular drive assembly  
(51) Int. Cl.  
**F16H 57/033** ( 2012.01 )
- (43) 01.09.2022  
(62) 2019265483  
(72) BANASIK, Lech  
(74) Griffith Hack
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- (71) Shopify Inc.  
(11) AU-A-2021266288  
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(54) METHOD AND SYSTEM FOR GENERATING CUSTOMIZED ELECTRONIC CHECKOUT USER INTERFACES  
(51) Int. Cl.  
**G06Q 30/06** ( 2012.01 )  
**G06F 3/048** ( 2013.01 )
- (31) 17/175,032 (32) 12.02.21 (33) US  
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(43) 01.09.2022  
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(74) Murray Trento & Associates Pty Ltd
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- (71) Sirius-beta Pty Ltd  
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(54) A System and Method for Embedding Abstractions across Multiple Reasoning Systems and Ensuring Closure in Reasoning  
(51) Int. Cl.  
**G06N 5/04** ( 2006.01 )  
**G06F 17/13** ( 2006.01 )  
**G06N 5/02** ( 2006.01 )
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(43) 01.09.2022  
(72) Garcia, Matt; Cardier, Beth; Goranson, Harold  
(74) Harold Theodore Goranson
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- (71) SKRIN PTY LTD  
(11) AU-A-2022211897  
(21) 2022211897 (22) 05.08.2022  
(54) STEEL ACTIVATOR FOR CONTAINER TWIST LOCK  
(51) Int. Cl.  
**B65D 90/00** ( 2006.01 )  
**B60P 7/13** ( 2006.01 )
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(62) 2017200922  
(72) Nyholm, Ture  
(74) Collison & Co
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(21) 2022200788 (22) 07.02.2022  
(54) Dead blow slide hammer  
(51) Int. Cl.  
**B25D 1/12** ( 2006.01 )  
**B25D 1/16** ( 2006.01 )
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(43) 01.09.2022  
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- (71) Société des Produits Nestlé S.A.  
(11) AU-A-2022215186  
(21) 2022215186 (22) 09.08.2022  
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(51) Int. Cl.  
**A23L 33/00** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A23L 33/185** ( 2016.01 )  
**A61P 37/08** ( 2006.01 )
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(74) Spruson & Ferguson
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- (71) SodaStream Industries Ltd.  
(11) AU-A-2022211874  
(21) 2022211874 (22) 04.08.2022  
(54) Carbonation machine and a gas canister for a carbonation machine  
(51) Int. Cl.  
**F17C 13/04** ( 2006.01 )  
**A23L 2/54** ( 2006.01 )  
**B01F 23/2361** ( 2022.01 )  
**B67D 1/04** ( 2006.01 )
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(62) 2019445475  
(72) DANIELI, Guy; COHEN, Avi; SHALEV, Oren; FUNT, Mark; RING, Allan; SHKEDI, Amnon; BRAND, Dvir; SHMUELI, Eyal; AVIGDOR, Amit; SHAASHUA, Eran; HARDUFF, Hagai; KROM, Doron  
(74) Spruson & Ferguson
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- (71) Soniclean Pty Ltd  
(11) AU-A-2022201250  
(21) 2022201250 (22) 23.02.2022  
(54) A REUSABLE TEST DEVICE FOR AN ULTRASONIC CLEANER  
(51) Int. Cl.  
**A61L 2/28** ( 2006.01 )
- (31) 2021900365 (32) 15.02.21 (33) AU  
(43) 01.09.2022  
(72) Lee, Wah Tong  
(74) Madderns Pty Ltd
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- (71) South Pacific Laundry (Melbourne) Pty Ltd  
(11) AU-A-2021221685  
(21) 2021221685 (22) 25.08.2021  
(54) Product distribution  
(51) Int. Cl.  
**G06K 7/10** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
**G06K 19/02** ( 2006.01 )
- (31) 2021900393 (32) 17.02.21 (33) AU  
(43) 01.09.2022  
(72) HAYES, Isaac; HAYES, Ray; KRIGSMAN, Ian  
(74) Allens Patent & Trade Mark Attorneys
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- (71) St. Jude Children's Research Hospital  
(11) AU-A-2022215274

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 (54) Nucleic acid molecules containing spacers and methods of use thereof  
 (51) Int. Cl.  
**A61K 35/76** ( 2015.01 )  
**A61K 39/23** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
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 (62) 2016260401  
 (72) Gray, John T.  
 (74) Davies Collison Cave Pty Ltd

(71) Stamicarbon B.V.  
 (11) AU-A-2022215267  
 (21) 2022215267 (22) 12.08.2022  
 (54) PLANT AND PROCESS FOR PRODUCING NITRIC ACID  
 (51) Int. Cl.  
**C01B 21/26** ( 2006.01 )  
**B01D 53/86** ( 2006.01 )  
**C01B 21/40** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2017326895  
 (72) Postma, Leonardus Hubertus; Muñoz López, Maria Paz; Voorwinden, Martinus  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ST Engineering Aethon, Inc.  
 (11) AU-A-2022211881  
 (21) 2022211881 (22) 04.08.2022  
 (54) Autonomous mobile delivery robot and chain of custody system  
 (51) Int. Cl.  
**G06Q 50/28** ( 2012.01 )  
**A61G 12/00** ( 2006.01 )  
**B65G 1/137** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
**G16H 40/20** ( 2018.01 )  
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 (74) Spruson & Ferguson

(71) Syqe Medical Ltd.  
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 (54) Methods, Devices And Systems For Pulmonary Delivery Of Active Agents  
 (51) Int. Cl.  
**A61M 15/00** ( 2006.01 )  
**A61M 11/04** ( 2006.01 )  
**A61M 16/20** ( 2006.01 )  
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 (62) 2020205271  
 (72) DAVIDSON, Perry; ALMOG, Shlomo; KINDLER, Seth  
 (74) Golja Haines & Friend

(71) Targus International LLC  
 (11) AU-A-2022215158  
 (21) 2022215158 (22) 08.08.2022

(54) Systems and methods for docking stations removably attachable to display apparatuses  
 (51) Int. Cl.  
**G06F 1/00** ( 2006.01 )  
**G06F 1/16** ( 2006.01 )  
**G06F 1/26** ( 2006.01 )  
**G06F 13/38** ( 2006.01 )  
**G06G 1/16** ( 2006.01 )  
**H05K 13/00** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020345678  
 (72) Decamp, Ronald; Tsang, Man Cheung Dan; Markovsky, Nicholas Anthony  
 (74) Griffith Hack

(71) TARIS Biomedical LLC  
 (11) AU-A-2022215156  
 (21) 2022215156 (22) 08.08.2022  
 (54) Drug delivery systems and methods for treatment of bladder cancer with gemcitabine  
 (51) Int. Cl.  
**A61K 31/7068** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (43) 01.09.2022  
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 (72) GIESING, Dennis; LEE, Heejin; DANIEL, Karen  
 (74) Spruson & Ferguson

(71) TAS Medical Inc.  
 (11) AU-A-2022215271  
 (21) 2022215271 (22) 12.08.2022  
 (54) Systems, devices and methods for tissue fixation and approximating tissue defects  
 (51) Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/04** ( 2006.01 )  
**A61B 17/06** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 17/82** ( 2006.01 )  
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 (72) Kramer, Thomas A.; Chin, Albert K.; Borchers, Gannon; Bugos, Peter; Kwok, Andrew; Ledbetter, Steven  
 (74) FPA Patent Attorneys Pty Ltd

(71) Technip UK Ltd  
 (11) AU-A-2022211886  
 (21) 2022211886 (22) 04.08.2022  
 (54) Pipeline integrated manifold  
 (51) Int. Cl.  
**E21B 43/017** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2017246677  
 (72) Rageot, Olivier; Hayward, Peter; Vorka, Chrystalla; De Klerk, Kevin; Edwards, Graham  
 (74) Davies Collison Cave Pty Ltd

(71) Technological Resources Pty Ltd  
 (11) AU-A-2022215227  
 (21) 2022215227 (22) 11.08.2022

(54) A system for, and a method of, controlling operation of a vehicle in a defined area  
 (51) Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**E21B 44/00** ( 2006.01 )  
**G05D 3/00** ( 2006.01 )  
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 (62) 2021203890  
 (72) McHugh, Charles Benjamin; Nettleton, Eric William; Oppolzer, Florian  
 (74) FPA Patent Attorneys Pty Ltd

(71) Techtronic Cordless GP  
 (11) AU-A-2022200757  
 (21) 2022200757 (22) 04.02.2022  
 (54) Handle assembly for a power tool  
 (51) Int. Cl.  
**A01D 34/82** ( 2006.01 )  
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 (43) 01.09.2022  
 (72) COLBER, Jr.; HARBIN, Joel; HOFFMAN, Ronald J.; HOLMAN, Christopher  
 (74) Spruson & Ferguson

(71) TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)  
 (11) AU-A-2022215215  
 (21) 2022215215 (22) 10.08.2022  
 (54) NEW DCI FORMATS FOR NON-ANCHOR OPERATIONS  
 (51) Int. Cl.  
**H04W 74/00** ( 2009.01 )  
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 (62) 2020257156  
 (72) RATHONYI, Bela; HOGLUND, Andreas; NADER, Ali; SUI, Yutao  
 (74) AJ PARK

(71) Terra Quantum AG  
 (11) AU-A-2022201029  
 (21) 2022201029 (22) 16.02.2022  
 (54) METHOD AND SYSTEM FOR QUANTUM KEY DISTRIBUTION  
 (51) Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**H04B 10/077** ( 2013.01 )  
**H04B 10/524** ( 2013.01 )  
**H04B 10/556** ( 2013.01 )  
**H04B 10/70** ( 2013.01 )

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 21166427.1 31.03.21 EP  
 21168449.3 14.04.21 EP  
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 (74) Griffith Hack

(71) Terra Quantum AG  
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 (21) 2022201032 (22) 16.02.2022  
 (54) LONG-DISTANCE QUANTUM KEY DISTRIBUTION

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 bolat; KRONBERG, Dmitry; VINOKUR,  
 Valerii; LESOVIK, Gordey; SEKATSKI,  
 Pavel; SAGINGALIEVA, Asef  
 (74) Griffith Hack

(71) The Board of Trustees of the Leland  
 Stanford Junior University  
 (11) AU-A-2022215268  
 (21) 2022215268 (22) 12.08.2022  
 (54) Methods of producing epimerases and  
 benzylisoquinoline alkaloids  
 (51) Int. Cl.  
**C12N 1/19** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12N 15/53** ( 2006.01 )  
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 (62) 2019246920  
 (72) SMOLKE, Christina D.; GALANIE,  
 Stephanie; TRENCHARD, Isis;  
 THODEY, Catherine; LI, Yanran  
 (74) FB Rice Pty Ltd

(71) The Boeing Company  
 (11) AU-A-2022200508  
 (21) 2022200508 (22) 27.01.2022  
 (54) Computing device and method for fa-  
 cilitating modification of the route of an  
 autonomous surface vehicle  
 (51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**G01C 21/30** ( 2006.01 )  
**G06V 10/70** ( 2022.01 )  
 (31) 63/150,145 (32) 17.02.21 (33) US  
 (43) 01.09.2022  
 (72) KELLOGG, Tad W.; KELLOGG, Troy P.;  
 MARISH, Michael J.; LAFORGE, Willi-  
 am A.  
 (74) Spruson & Ferguson

(71) THE CHEMOURS COMPANY FC, LLC  
 (11) AU-A-2022215233  
 (21) 2022215233 (22) 11.08.2022  
 (54) USE OF PERFLUOROHEPTENES IN  
 POWER CYCLE SYSTEMS  
 (51) Int. Cl.  
**F01K 25/08** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2017222606  
 (72) KONTOMARIS, Konstantinos; SIMONI,  
 Luke David  
 (74) Houlihan2 Pty Ltd

(71) The Trustees of the University of  
 Pennsylvania; Thomas Jefferson Uni-  
 versity  
 (11) AU-A-2022215231  
 (21) 2022215231 (22) 11.08.2022  
 (54) Implantable living electrodes and meth-  
 ods for use thereof  
 (51) Int. Cl.  
**A61N 1/05** ( 2006.01 )

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 (62) 2017248756  
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 Wolf, John A.; Chen, H. Isaac; Smith,  
 Douglas H.; Serruya, Mijail  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

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 Trustees of the University of Pennsylvania**  
 (21) 2022215231

**Thomason, S. see RevAir, LLC**  
 (21) 2022215273

(71) TMT PTY LTD  
 (11) AU-A-2021200961  
 (21) 2021200961 (22) 13.02.2021  
 (54) Roller sleeper device  
 (51) Int. Cl.  
**A47C 21/00** ( 2006.01 )  
**A61M 21/02** ( 2006.01 )  
**A47D 9/04** ( 2006.01 )  
 (43) 01.09.2022  
 (72) Nedanovski, Gjorgji  
 (74) TMT PTY LTD

(71) Trading Technologies International, Inc.  
 (11) AU-A-2022211882  
 (21) 2022211882 (22) 04.08.2022  
 (54) Dynamic generation of order entry  
 fields on a trading interface  
 (51) Int. Cl.  
**G06Q 40/04** ( 2012.01 )  
 (43) 01.09.2022  
 (62) 2020203705  
 (72) BUCK, Brian J.  
 (74) Spruson & Ferguson

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 Gutenberg-Universität Mainz gGmbH see  
 BioNTech SE**  
 (21) 2022215196

(71) University of Florida Research Founda-  
 tion, Inc.  
 (11) AU-A-2022215235  
 (21) 2022215235 (22) 11.08.2022  
 (54) Use of AAV-expressed M013 protein as  
 an anti-inflammatory therapeutic  
 (51) Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**C07K 14/065** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020200782  
 (72) McFADDEN, Grant; LEWIN, Alfred S.;  
 LUCAS, Alexandra R.; ILDEFONSO,  
 Cristhian J.; RAHMAN, Mohammed  
 Masmudur  
 (74) Davies Collison Cave Pty Ltd

(71) UOP LLC  
 (11) AU-A-2022215201

(21) 2022215201 (22) 10.08.2022  
 (54) Temperature swing adsorption process  
 for heavy hydrocarbon removal  
 (51) Int. Cl.  
**B01D 15/00** ( 2006.01 )  
**B01D 3/14** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2019290680  
 (72) Doong, Shain-Jer  
 (74) FPA Patent Attorneys Pty Ltd

(71) Vayeron Pty Ltd  
 (11) AU-A-2022211876  
 (21) 2022211876 (22) 04.08.2022  
 (54) Improvements in Conveyor and Com-  
 ponents Therefor, Monitoring Methods  
 and Communication Systems  
 (51) Int. Cl.  
**B65G 43/00** ( 2006.01 )  
**B65G 39/02** ( 2006.01 )  
**F16C 19/52** ( 2006.01 )  
**G01H 1/00** ( 2006.01 )  
**G01P 3/44** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2020260454  
 (72) Moussa, David; Norris, Ryan;  
 Moutzouris, Paul  
 (74) RADIANT GLOBAL PTY LTD

(71) ViaSat, Inc.  
 (11) AU-A-2022211883  
 (21) 2022211883 (22) 04.08.2022  
 (54) RETURN-LINK ROUTING IN A HY-  
 BRID NETWORK  
 (51) Int. Cl.  
**H04L 45/24** ( 2022.01 )  
 (43) 01.09.2022  
 (62) 2017375749  
 (72) Foxworthy, Michael; Connor, Elizabeth;  
 Elmore, Daniel; Agarwal, Anil; Buhler,  
 Gregory  
 (74) Adams Pluck

(71) ViaSat, Inc.  
 (11) AU-A-2022211896  
 (21) 2022211896 (22) 05.08.2022  
 (54) GROUND-BASED BEAMFORMED  
 COMMUNICATIONS USING MUTU-  
 ALLY SYNCHRONIZED SPATIALLY  
 MULTIPLEXED FEEDER LINKS  
 (51) Int. Cl.  
**H04B 7/185** ( 2006.01 )  
**H04B 7/204** ( 2006.01 )  
 (43) 01.09.2022  
 (62) 2022202663  
 (72) Buer, Kenneth; Pateros, Charles; Ral-  
 ston, William  
 (74) Adams Pluck

(71) W.M. Barr & Company, Inc.  
 (11) AU-A-2022215220  
 (21) 2022215220 (22) 10.08.2022  
 (54) Spill resistant and moisture absorbing  
 device  
 (51) Int. Cl.  
**B01D 53/04** ( 2006.01 )  
**B01D 53/14** ( 2006.01 )

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**B01D 53/26** ( 2006.01 )  
**B65D 51/30** ( 2006.01 )  
**F24F 3/14** ( 2006.01 )  
**(43)** 01.09.2022  
**(62)** 2019277592  
**(72)** LANKFORD, Donald Aaron; PETKUS, Matthew Michael; GROOVER, Wendy; HEALEY, Brett Justin; WHEELER, Shannon; PEMBERTON, Douglas; WOOD, Barry; FARMER, Rachel  
**(74)** WRAYS PTY LTD

**(51)** Int. Cl.  
**H04L 67/56** ( 2022.01 )  
**G06F 21/33** ( 2013.01 )  
**H04L 9/32** ( 2006.01 )  
**H04L 45/42** ( 2022.01 )  
**(31)** 21156980.1 **(32)** 12.02.21 **(33)** EP  
**(43)** 01.09.2022  
**(72)** ERIKSSON, Martin; ERICSSON, Anders  
**(74)** WRAYS PTY LTD

**(71)** Weatherhaven Global Resources Ltd.  
**(11)** AU-A-2022211914  
**(21)** 2022211914 **(22)** 05.08.2022  
**(54)** Rapidly deployable modular shelter system  
**(51)** Int. Cl.  
**E04H 15/48** ( 2006.01 )  
**E04H 15/44** ( 2006.01 )  
**(43)** 01.09.2022  
**(62)** 2019431743  
**(72)** JOHNSON, Brian D.; SAVENKOFF, Ryan Douglas; CHRISTENSEN, Matt; BENNETT, Jean-marc  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Zenaji Australia Pty Ltd  
**(11)** AU-A-2022201018  
**(21)** 2022201018 **(22)** 16.02.2022  
**(54)** Battery Charging System and Method  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**H02J 7/18** ( 2006.01 )  
**H01M 10/052** ( 2010.01 )  
**H01M 10/42** ( 2006.01 )  
**H01M 10/44** ( 2006.01 )  
**(31)** 2021900384 **(32)** 16.02.21 **(33)** AU  
**(43)** 01.09.2022  
**(72)** Van Dongen, Maximilian Karl Kees  
**(74)** Anderson IP

**(71)** West Affum Holdings Corp.  
**(11)** AU-A-2022200910  
**(21)** 2022200910 **(22)** 11.02.2022  
**(54)** WEARABLE CARDIOVERTER DEFIBRILLATOR (WCD) WITH ARTIFICIAL INTELLIGENCE FEATURES  
**(51)** Int. Cl.  
**A61N 1/39** ( 2006.01 )  
**A61B 5/0245** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A61N 1/22** ( 2006.01 )  
**A61N 1/365** ( 2006.01 )  
**A61N 1/37** ( 2006.01 )  
**(31)** 63/149,050 **(32)** 12.02.21 **(33)** US  
**(43)** 01.09.2022  
**(72)** Sullivan, Joseph L.; Engman, Zoie R.; Finch, David P.; Gustavson, Laura M.; Foshee Jr., Phillip D.  
**(74)** Madderns Pty Ltd

**(71)** Wonderland Switzerland AG  
**(11)** AU-A-2022215169  
**(21)** 2022215169 **(22)** 09.08.2022  
**(54)** Baby stroller with a folding mechanism triggered by a child carrier  
**(51)** Int. Cl.  
**B62B 7/06** ( 2006.01 )  
**B62B 7/08** ( 2006.01 )  
**B62B 7/14** ( 2006.01 )  
**B62B 9/10** ( 2006.01 )  
**(43)** 01.09.2022  
**(62)** 2019254655  
**(72)** ZHONG, Zhi-Ren  
**(74)** Griffith Hack

**(71)** Xertified AB  
**(11)** AU-A-2022200826  
**(21)** 2022200826 **(22)** 08.02.2022  
**(54)** A Proxy And A Communication System Comprising Said Proxy

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<b>C23C 22 /-</b> 2022215205	<b>F16D 65 /-</b> 2022215152	<b>G01H 1 /-</b> 2022211876	<b>G06F 3 /-</b> 2021266288 2022211911 2022215067 2022215188	<b>G08B 13 /-</b> 2021218088	<b>H01Q 15 /-</b> 2022215258
<b>D01F 9 /-</b> 2022213744	<b>F16G 11 /-</b> 2022200994	<b>G01N 1 /-</b> 2022215209	<b>G06F 9 /-</b> 2022215067		<b>H01R 31 /-</b> 2022215279
	<b>F16H 57 /-</b> 2022211892	<b>G01N 29 /-</b> 2021200957			<b>H01R 9 /-</b> 2022215279
	<b>F16K 1 /-</b> 2022200962				<b>H02J 7 /-</b> 2022201018
	<b>F16K 3 /-</b> 2022200962				<b>H04B 10 /-</b> 2022201029



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2022215223

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**H04J 11 /-**

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2022211883

**H04L 5 /-**

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2022215175

**H04L 65 /-**

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2022215188

**H04L 67 /-**

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2022200826  
2022215188

**H04L 9 /-**

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2022215215

**H05K 13 /-**

2022215158

**No IPC Mark**

**Innovation Patents Open to Public Inspection**

**Name Index**

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

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(71) Hamlin, J.  
 (11) AU-A-2020104483  
 (21) 2020104483 (22) 19.03.2020  
 (54) Fastener  
 (51) Int. Cl.  
     *B65D 63/10* ( 2006.01 )  
 (31) 2019904271 (32) 13.11.19 (33) AU  
 (45) 01.09.2022  
 (72) HAMLIN, James; WHITCHELO, James  
     Matthew Henry  
 (74) MEYER WEST IP PTY LTD

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(71) Hawthorne Holdings Pty Ltd  
 (11) AU-A-2022100103  
 (21) 2022100103 (22) 05.08.2022  
 (54) PIPE SUPPORT  
 (51) Int. Cl.  
     *F16L 3/13* ( 2006.01 )  
     *F16L 3/12* ( 2006.01 )  
 (45) 01.09.2022  
 (62) 2018256501  
 (72) HAWTHORNE, Sydney  
 (74) IP GATEWAY PATENT & TRADE  
     MARK ATTORNEYS PTY LTD

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(71) Swim Spas and Plunge Pools Pty Limited  
 (11) AU-A-2021107665  
 (21) 2021107665 (22) 14.04.2021  
 (54) Swimming Pool Construction  
 (51) Int. Cl.  
     *E04H 4/00* ( 2006.01 )  
     *E04H 4/14* ( 2006.01 )  
 (31) 2020902928 (32) 17.08.20 (33) AU  
 (45) 01.09.2022  
 (72) Salter, Tom  
 (74) Griffith Hack

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(71) TNBT Holdings Pty Limited  
 (11) AU-A-2020104484  
 (21) 2020104484 (22) 24.07.2020  
 (54) A lock and a method for selecting a rotation direction of a handle of the lock  
 (51) Int. Cl.  
     *E05B 63/04* ( 2006.01 )  
     *E05B 55/00* ( 2006.01 )  
     *E05B 63/00* ( 2006.01 )  
 (31) 2019902646 (32) 25.07.19 (33) AU  
 (45) 01.09.2022  
 (72) Butt, Simon; Sharp, Damion  
 (74) Chrysiliou IP

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**2020104483** Hamlin, J.  
**2020104484** TNBT Holdings Pty Limited  
**2021107665** Swim Spas and Plunge Pools Pty Limited  
**2022100103** Hawthorne Holdings Pty Ltd

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**E04H 4 /-**

2021107665

**E05B 55 /-**

2020104484

**E05B 63 /-**

2020104484

**F16L 3 /-**

2022100103

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- . (\*\*) Title not given

<p>(71) Abiomed, Inc.                      (11) AU-A-2021205985                      (21) 2021205985 (22) 08.01.2021                      (54) Blood pump with improved leakage control                      (51) Int. Cl.  <i>A61M 60/117</i> ( 2021.01 )  <i>A61M 60/122</i> ( 2021.01 )  <i>A61M 60/216</i> ( 2021.01 )  <i>A61M 60/422</i> ( 2021.01 )  <i>A61M 60/81</i> ( 2021.01 )                      (87) WO2021/142490                      (31) 62/959,552 (32) 10.01.20 (33) US                      (43) 15.07.2021                      (72) DAS, Soumen; KONG, Qingchao; TAO, Zhenghong; SHIP, Alexander                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Acentium Inc.                      (11) AU-A-2021207687                      (21) 2021207687 (22) 15.01.2021                      (54) Systems and methods for generating dynamic 3d models of computer systems                      (51) Int. Cl.  <i>H04L 41/22</i> ( 2022.01 )                      (87) WO2021/146611                      (31) 62/962,639 (32) 17.01.20 (33) US                      (43) 22.07.2021                      (72) HAMDl, Amine                      (74) WRAYS PTY LTD</p>	<p>(43) 28.07.2022                      (72) ROBINSON, Thomas James Christopher; IVES, Jeffrey                      (74) James &amp; Wells Intellectual Property</p>
<p>(71) Absci Corporation                      (11) AU-A-2021207690                      (21) 2021207690 (22) 15.01.2021                      (54) Activity-specific cell enrichment                      (51) Int. Cl.  <i>C12N 15/65</i> ( 2006.01 )  <i>C12P 21/00</i> ( 2006.01 )                      (87) WO2021/146626                      (31) 62/961,392 (32) 15.01.20 (33) US                      (43) 22.07.2021                      (72) LIU, Jia                      (74) WRAYS PTY LTD</p>	<p>(71) ACR III B.V.                      (11) AU-A-2021228908                      (21) 2021228908 (22) 24.02.2021                      (54) Unsaturated polyester resin compositions and methods for preparation thereof                      (51) Int. Cl.  <i>C08F 283/01</i> ( 2006.01 )  <i>C08G 63/676</i> ( 2006.01 )  <i>C08L 67/06</i> ( 2006.01 )  <i>C09D 167/06</i> ( 2006.01 )                      (87) WO2021/170596                      (31) 20159020.5 (32) 24.02.20 (33) EP                      (43) 02.09.2021                      (72) POSTHUMUS, Willem                      (74) WRAYS PTY LTD</p>	<p>(71) Adaptimmune Limited                      (11) AU-A-2021219334                      (21) 2021219334 (22) 12.02.2021                      (54) Method of treatment of cancer or tumour                      (51) Int. Cl.  <i>A61P 35/00</i> ( 2006.01 )  <i>C07K 14/725</i> ( 2006.01 )  <i>C12N 5/0783</i> ( 2010.01 )  <i>C12N 15/85</i> ( 2006.01 )                      (87) WO2021/161032                      (31) 62/976,493 (32) 14.02.20 (33) US                      (43) 19.08.2021                      (72) PUMPHREY, Nicholas Jonathan                      (74) James &amp; Wells Intellectual Property</p>
<p>(71) Acentium Inc                      (11) AU-A-2021211467                      (21) 2021211467 (22) 21.01.2021                      (54) Systems and methods for identifying and managing mutually independent computer subsystems                      (51) Int. Cl.  <i>G06F 21/55</i> ( 2013.01 )  <i>G06F 21/57</i> ( 2013.01 )                      (87) WO2021/150714                      (31) 62/964,411 (32) 22.01.20 (33) US                      (43) 29.07.2021                      (72) HAMDl, Amine                      (74) WRAYS PTY LTD</p>	<p>(71) Adama Agan Ltd.                      (11) AU-A-2021207765                      (21) 2021207765 (22) 13.01.2021                      (54) Solid state form of Pyroxasulfone                      (51) Int. Cl.  <i>C07D 413/12</i> ( 2006.01 )  <i>A01N 43/80</i> ( 2006.01 )                      (87) WO2021/144796                      (31) 62/961,233 (32) 15.01.20 (33) US                      (43) 22.07.2021                      (72) ARONHIME, Judith; SELLA-EREZ, Rotem                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Advita Lifescience GmbH                      (11) AU-A-2021215045                      (21) 2021215045 (22) 29.01.2021                      (54) Human anti-inflammatory peptides for the inhalatory treatment of inflammatory pulmonary diseases                      (51) Int. Cl.  <i>A61K 38/21</i> ( 2006.01 )  <i>A61K 38/22</i> ( 2006.01 )  <i>A61M 11/00</i> ( 2006.01 )  <i>A61M 15/00</i> ( 2006.01 )  <i>A61P 11/00</i> ( 2006.01 )                      (87) WO2021/152119                      (31) 20000053.7 (32) 31.01.20 (33) EP                      20000121.2 20.03.20 EP                      (43) 05.08.2021                      (72) KLAPPROTH, Holger; BEVEC, Dorian; FRYE, Björn Christian; MÜLLER-QUERNHEIM, Joachim; VON WEGGERER, Jörg; HOPPE, Wolfgang; KESSEMEIER, Marc A.                      (74) FB Rice Pty Ltd</p>
<p>(71) Acentium Inc                      (11) AU-A-2021212656                      (21) 2021212656 (22) 26.01.2021                      (54) Systems and methods for intelligent segmentation and rendering of computer environment data                      (51) Int. Cl.  <i>H04L 41/122</i> ( 2022.01 )                      (87) WO2021/154720                      (31) 62/966,461 (32) 27.01.20 (33) US                      (43) 05.08.2021                      (72) HAMDl, Amine                      (74) WRAYS PTY LTD</p>	<p>(71) Adaptavate Ltd                      (11) AU-A-2021418332                      (21) 2021418332 (22) 22.01.2021                      (54) Building product                      (51) Int. Cl.  <i>C04B 18/02</i> ( 2006.01 )  <i>C04B 18/28</i> ( 2006.01 )  <i>C04B 20/00</i> ( 2006.01 )  <i>C04B 28/04</i> ( 2006.01 )  <i>C04B 28/10</i> ( 2006.01 )                      (87) WO2022/157466</p>	<p>(71) AeroVironment, Inc.                      (11) AU-A-2021217014                      (21) 2021217014 (22) 03.02.2021                      (54) Rib mounting flanges for an unmanned aerial vehicle                      (51) Int. Cl.  <i>B64C 3/18</i> ( 2006.01 )  <i>B64C 3/26</i> ( 2006.01 )                      (87) WO2021/158618                      (31) 62/970,139 (32) 04.02.20 (33) US                      (43) 12.08.2021                      (72) GHAPGHARAN, Emil                      (74) Spruson &amp; Ferguson</p>
<p>(71) Acentium Inc                      (11) AU-A-2021225048                      (21) 2021225048 (22) 03.02.2021                      (54) Systems and methods for generating dynamic 3d models of computer systems                      (51) Int. Cl.  <i>H04L 41/22</i> ( 2022.01 )                      (87) WO2021/146611                      (31) 62/962,639 (32) 17.01.20 (33) US                      (43) 22.07.2021                      (72) HAMDl, Amine                      (74) WRAYS PTY LTD</p>	<p>(71) Acentium Inc.                      (11) AU-A-2021207687                      (21) 2021207687 (22) 15.01.2021                      (54) Systems and methods for generating dynamic 3d models of computer systems                      (51) Int. Cl.  <i>H04L 41/22</i> ( 2022.01 )                      (87) WO2021/146611                      (31) 62/962,639 (32) 17.01.20 (33) US                      (43) 22.07.2021                      (72) HAMDl, Amine                      (74) WRAYS PTY LTD</p>	<p>(71) Aileens Pharma S.r.l.                      (11) AU-A-2021225048</p>

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 (54) Cutibacterium acnes strain and medical uses thereof  
 (51) Int. Cl.  
*C12R 1/01* ( 2006.01 )  
*A61K 35/74* ( 2015.01 )  
*C12N 1/20* ( 2006.01 )  
 (87) WO2021/165434  
 (31) 10202000003233 (32) 18.02.20 (33) IT  
 (43) 26.08.2021  
 (72) VERGALITO, Franca; LONGO SORMANI, Sonia; MAGNIFICO, Irene; PIETRANGELO, Laura; DI MARCO, Roberto Maria Antonio; CUTULI, Marco Alfio; VENDITTI, Noemi; PETRONIO PETRONIO, Giulio  
 (74) Griffith Hack
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- (71) Airbus Defence and Space Limited  
 (11) AU-A-2021217099  
 (21) 2021217099 (22) 22.01.2021  
 (54) Optimisation for data transmission  
 (51) Int. Cl.  
*H04B 7/185* ( 2006.01 )  
*H04L 1/00* ( 2006.01 )  
 (87) WO2021/156076  
 (31) 20155446.6 (32) 04.02.20 (33) EP  
 (43) 12.08.2021  
 (72) PICKERING, Yvonne; BROWN, Stephen; SKINNER, Peter  
 (74) GLMR
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- (71) Air New Zealand Limited  
 (11) AU-A-2021225108  
 (21) 2021225108 (22) 18.02.2021  
 (54) A multi-layer sleeping compartment  
 (51) Int. Cl.  
*B64D 11/00* ( 2006.01 )  
 (87) WO2021/165858  
 (31) 761879 (32) 20.02.20 (33) NZ  
 (43) 26.08.2021  
 (72) CAMERON-DONALD, Kate Elizabeth; WENN, Zoe Marie-Josée Julia  
 (74) AJ PARK
- 
- (71) Aladdin Manufacturing Corporation  
 (11) AU-A-2021213683  
 (21) 2021213683 (22) 22.01.2021  
 (54) Recyclable tufted fabric and method of making the same  
 (51) Int. Cl.  
*D06N 7/02* ( 2006.01 )  
*D06N 7/00* ( 2006.01 )  
 (87) WO2021/154596  
 (31) 62/966,196 (32) 27.01.20 (33) US  
 (43) 05.08.2021  
 (72) REYNOLDS, Charles Winston; SETHNA, Michael Bejon; CRAIG, Christopher Lee  
 (74) Davies Collison Cave Pty Ltd
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- (71) Alesta Therapeutics BV  
 (11) AU-A-2021222818  
 (21) 2021222818 (22) 17.02.2021  
 (54) GCN2 modulator compounds  
 (51) Int. Cl.  
*C07D 235/14* ( 2006.01 )
- A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 239/74* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 405/12* ( 2006.01 )  
*C07D 409/12* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
 (87) WO2021/165346  
 (31) 2002144.0 (32) 17.02.20 (33) GB  
 2007163.5 14.05.20 GB  
 (43) 26.08.2021  
 (72) SATHE, Balaji Dashrath; PUJALA, Brahmam; URETA DÍAZ, Gonzalo Andrés; BERNALES, Sebastian; BORTHWICK, Jennifer  
 (74) AJ PARK
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- (71) Alexander Binzel Schweisstechnik GmbH & Co. KG  
 (11) AU-A-2021216088  
 (21) 2021216088 (22) 01.02.2021  
 (54) Additional circuit for process supply lines of a welding or cutting torch and hose pack having an additional circuit  
 (51) Int. Cl.  
*B23K 9/32* ( 2006.01 )  
*B23K 9/10* ( 2006.01 )  
*H01R 33/92* ( 2006.01 )  
 (87) WO2021/156201  
 (31) 10 2020 102 792.3 (32) 04.02.20 (33) DE  
 (43) 12.08.2021  
 (72) MOORE, Jonathan; ROSE, Sascha  
 (74) Collison & Co
- 
- (71) Alkermes Pharma Ireland Limited  
 (11) AU-A-2021210905  
 (21) 2021210905 (22) 21.01.2021  
 (54) Methods of purification  
 (51) Int. Cl.  
*C07K 14/54* ( 2006.01 )  
*C07K 14/71* ( 2006.01 )  
*C07K 14/715* ( 2006.01 )  
 (87) WO2021/150674  
 (31) 62/965,578 (32) 24.01.20 (33) US  
 (43) 29.07.2021  
 (72) MCNEILL, R. Blair; SARASWATHI, Raj Prabu Vijayakumar; PETE, Matthew J.  
 (74) FB Rice Pty Ltd
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- (71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2021220765  
 (21) 2021220765 (22) 09.02.2021  
 (54) Compositions and methods for silencing VEGF-A expression  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/7088* ( 2006.01 )  
 (87) WO2021/163066  
 (31) 63/055,627 (32) 23.07.20 (33) US  
 62/972,519 10.02.20 US  
 63/140,714 22.01.21 US  
 (43) 19.08.2021  
 (72) KEATING, Mark; SCHLEGEL, Mark K.; CASTORENO, Adam; JADHAV, Vasant R.; KAITTANIS, Charalambos; CASTELLANOS-RIZALDOS, Elena;
- PANDYA, Bhaumik A.; MCININCH, James D.  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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- (71) Amsted Rail Company, Inc.  
 (11) AU-A-2021235478  
 (21) 2021235478 (22) 27.01.2021  
 (54) Double friction draft gear assembly  
 (51) Int. Cl.  
*B61G 9/10* ( 2006.01 )  
 (87) WO2021/183224  
 (31) 17/007,317 (32) 31.08.20 (33) US  
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 (43) 16.09.2021  
 (72) ALEJNIKOV, Igor; HARRIS, Zachary  
 (74) Murray Trento & Associates Pty Ltd
- 
- (71) Anka Angewandte Kaffeetechnologie GmbH  
 (11) AU-A-2021209357  
 (21) 2021209357 (22) 21.01.2021  
 (54) Enzymes for the removal of acrylamide  
 (51) Int. Cl.  
*C12N 9/80* ( 2006.01 )  
*A23F 5/16* ( 2006.01 )  
*A23F 5/24* ( 2006.01 )  
*A23L 5/20* ( 2016.01 )  
*C08F 6/00* ( 2006.01 )  
 (87) WO2021/148508  
 (31) 20152853.6 (32) 21.01.20 (33) EP  
 (43) 29.07.2021  
 (72) SÜSSE-HERRMANN, Oliver; KÖPKE, Sabrina; VOGEL, Andreas; FELLER, Claudia; BARTSCH, Sebastian  
 (74) Davies Collison Cave Pty Ltd
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- (71) Anka Angewandte Kaffeetechnologie GmbH  
 (11) AU-A-2021210151  
 (21) 2021210151 (22) 21.01.2021  
 (54) Enzyme for decomposing acrylamide  
 (51) Int. Cl.  
*C12N 9/80* ( 2006.01 )  
*A23F 5/16* ( 2006.01 )  
*A23F 5/24* ( 2006.01 )  
*A23L 5/20* ( 2016.01 )  
 (87) WO2021/148509  
 (31) 20152853.6 (32) 21.01.20 (33) EP  
 (43) 29.07.2021  
 (72) SÜSSE-HERRMANN, Oliver; KÖPKE, Sabrina; VOGEL, Andreas; FELLER, Claudia; BARTSCH, Sebastian  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Anova Applied Electronics, Inc.  
 (11) AU-A-2021245770  
 (21) 2021245770 (22) 29.03.2021  
 (54) Appliance handle with automatic shutoff of input interface elements  
 (51) Int. Cl.  
*F25D 23/02* ( 2006.01 )  
*D06F 37/28* ( 2006.01 )  
*F24C 7/08* ( 2006.01 )  
*F24C 15/02* ( 2006.01 )  
*F24C 15/16* ( 2006.01 )  
 (87) WO2021/202360

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- (31) 16/837,363 (32) 01.04.20 (33) US  
(43) 07.10.2021  
(72) LEES, Harrison John; HILT, Matthew Erwin  
(74) Griffith Hack
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- (71) Ansun Biopharma, Inc.  
(11) AU-A-2021211432  
(21) 2021211432 (22) 20.01.2021  
(54) Delivery of sialidase to cancer cells, immune cells and the tumor microenvironment  
(51) Int. Cl.  
A61K 35/761 ( 2015.01 )  
A61K 35/768 ( 2015.01 )  
A61K 48/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/36 ( 2006.01 )  
C12N 7/00 ( 2006.01 )  
C12N 9/10 ( 2006.01 )  
C12N 9/24 ( 2006.01 )  
C12N 9/88 ( 2006.01 )  
C12N 15/86 ( 2006.01 )  
(87) WO2021/150635  
(31) 62/964,082 (32) 21.01.20 (33) US  
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(43) 29.07.2021  
(72) CHANG, Nancy  
(74) AJ PARK
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- (71) Anvy Technologies Inc.  
(11) AU-A-2020421371  
(21) 2020421371 (22) 06.01.2020  
(54) Organic waste separator for under a sink  
(51) Int. Cl.  
E03C 1/22 ( 2006.01 )  
A47B 77/08 ( 2006.01 )  
B01D 21/26 ( 2006.01 )  
B30B 9/14 ( 2006.01 )  
E03C 1/266 ( 2006.01 )  
(87) WO2021/138729  
(43) 15.07.2021  
(72) NICOLOV, Victor  
(74) Davies Collison Cave Pty Ltd
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- (71) Aptabio Therapeutics Inc.  
(11) AU-A-2021208915  
(21) 2021208915 (22) 12.01.2021  
(54) Novel pyrazole derivative  
(51) Int. Cl.  
C07D 401/04 ( 2006.01 )  
A61K 31/437 ( 2006.01 )  
A61K 31/4439 ( 2006.01 )  
C07D 471/04 ( 2006.01 )  
(87) WO2021/145655  
(31) 10-2020-0004471 (32) 13.01.20 (33) KR  
(43) 22.07.2021  
(72) LEE, Soo Jin; MOON, Sung Hwan; BAN, Soo Ho; LEE, Eun Sil; SHIN, Eun Jung; GOH, Yoo-Kyung; LEE, Sung Chan; YU, Hyun Kyung  
(74) Davies Collison Cave Pty Ltd
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- (71) Arkema France  
(11) AU-A-2021219039  
(21) 2021219039 (22) 05.02.2021
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- (54) Bituminous composition containing an epoxidized oil  
(51) Int. Cl.  
C08L 95/00 ( 2006.01 )  
(87) WO2021/160957  
(31) 2001495 (32) 14.02.20 (33) FR  
(43) 19.08.2021  
(72) INOUBLI, Rabi; BARRETO, Gilles; CANTOT, Justine  
(74) Griffith Hack
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- (71) Arkema France  
(11) AU-A-2021220681  
(21) 2021220681 (22) 05.02.2021  
(54) Use of an additive to delay bitumen ageing  
(51) Int. Cl.  
C08K 5/52 ( 2006.01 )  
(87) WO2021/160956  
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A23C 9/15 ( 2006.01 )  
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A61K 31/4545 ( 2006.01 )  
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**C01B 32/55** ( 2017.01 )  
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(51) Int. Cl.  
**C07K 16/00** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
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**B01J 39/05** ( 2017.01 )  
**B01D 15/18** ( 2006.01 )  
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**B01J 47/10** ( 2017.01 )  
**B01J 49/12** ( 2017.01 )  
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**C01D 15/02** ( 2006.01 )  
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(51) Int. Cl.  
**C02F 3/10** ( 2006.01 )  
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 (51) Int. Cl.  
 G05B 19/418 ( 2006.01 )  
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 A23L 33/195 ( 2016.01 )  
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 A61K 47/12 ( 2006.01 )  
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 (51) Int. Cl.  
 C12P 7/02 ( 2006.01 )  
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 F23C 10/18 ( 2006.01 )  
 F03D 9/11 ( 2016.01 )  
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 H05H 6/00 ( 2006.01 )  
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 A61K 47/50 ( 2017.01 )  
 A61K 47/68 ( 2017.01 )  
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*B29C 48/00* ( 2019.01 )  
*F16L 11/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*B01J 3/04* ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*A01D 78/00* ( 2006.01 )  
*G01S 17/66* ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Degradative method  
 (51) Int. Cl.  
*C08B 37/00* ( 2006.01 )  
*B01J 31/16* ( 2006.01 )  
*C07D 255/02* ( 2006.01 )  
*C08K 5/00* ( 2006.01 )  
*C08L 5/04* ( 2006.01 )  
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*A61K 31/16* ( 2006.01 )  
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**H04W 24/00** ( 2009.01 )  
**H04W 28/08** ( 2009.01 )
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amid from (R)-2-aminobutanoic acid
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**C07C 231/02** ( 2006.01 )  
**C07C 51/363** ( 2006.01 )  
**C07C 53/19** ( 2006.01 )  
**C07C 67/08** ( 2006.01 )  
**C07C 67/30** ( 2006.01 )  
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**C07C 231/02** ( 2006.01 )  
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**C07C 51/41** ( 2006.01 )  
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**C22B 26/12** ( 2006.01 )  
**C01D 7/00** ( 2006.01 )  
**C01D 15/08** ( 2006.01 )  
**C22B 3/06** ( 2006.01 )  
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as histone deacetylase 6 inhibitor, and  
the pharmaceutical composition com-  
prising the same
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**C07D 471/04** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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bacteria
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**C12N 1/04** ( 2006.01 )
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Chemie GmbH  
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mineral particles in aqueous systems
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**B01D 37/02** ( 2006.01 )  
**B01J 20/32** ( 2006.01 )  
**B03D 1/00** ( 2006.01 )  
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(54) Heating and cooling garment system
- (51) Int. Cl.  
**A41D 13/005** ( 2006.01 )  
**A41D 1/00** ( 2018.01 )  
**A41D 13/002** ( 2006.01 )  
**A61F 7/00** ( 2006.01 )  
**A62B 17/00** ( 2006.01 )  
**F25B 21/02** ( 2006.01 )
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(31) 62/958,042 (32) 07.01.20 (33) US
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(72) BOGDANOVICH, Phillip  
(74) Spruson & Ferguson
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- (71) Clara Foods Co.  
(11) AU-A-2021216950  
(21) 2021216950 (22) 04.02.2021  
(54) Systems and methods for high yielding  
recombinant microorganisms and uses  
thereof
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**C12N 15/81** ( 2006.01 )  
**A23J 1/18** ( 2006.01 )  
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**C12P 21/02** ( 2006.01 )
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(31) 62/970,052 (32) 04.02.20 (33) US  
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(72) IVEY, Frank Douglas; KREPS, Joel  
Andrew; TINDELL, Charles Albert;  
ZHONG, Weixi  
(74) FB Rice Pty Ltd
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(54) A process and a plant
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**C02F 1/42** ( 2006.01 )  
**B01D 15/04** ( 2006.01 )  
**B01D 15/36** ( 2006.01 )  
**B01J 41/05** ( 2017.01 )  
**B01J 49/00** ( 2017.01 )  
**C02F 1/28** ( 2006.01 )  
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Liann; YAHORAVA, Olga  
(74) BOSH IP Pty Ltd
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(54) Intravaginal device
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**A61F 2/00** ( 2006.01 )  
**A61F 5/48** ( 2006.01 )  
**A61F 6/08** ( 2006.01 )
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(72) BRUNET, Karen  
(74) Davies Collison Cave Pty Ltd
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(54) Methods for assembling nucleic acids
- (51) Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12P 19/34** ( 2006.01 )  
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 (54) Human alpha-galactosidase variants  
 (51) Int. Cl.  
*C12N 15/56* (2006.01)  
*A61K 38/00* (2006.01)  
*C12N 9/24* (2006.01)  
*C12N 15/85* (2006.01)

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(71) Cognition Therapeutics, Inc.  
 (11) AU-A-2021218735  
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 (54) Method of decreasing amyloid beta monomer levels in patients with cognitive decline  
 (51) Int. Cl.  
*G07K 16/18* (2006.01)  
*C12P 21/08* (2006.01)  
*G01N 33/68* (2006.01)

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 (72) CATALANO, Susan; IZZO, Nicholas  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021251445 (22) 06.04.2021  
 (54) Rubber composition comprising low melting point polyethylene  
 (51) Int. Cl.  
*B60C 1/00* (2006.01)  
*C08L 7/00* (2006.01)  
*C08L 15/00* (2006.01)

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 (74) Griffith Hack

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(54) Porcine scaffolds and methods of preparation  
 (51) Int. Cl.  
*A61L 27/36* (2006.01)  
*A61L 27/20* (2006.01)  
*A61L 27/56* (2006.01)  
*A61L 27/60* (2006.01)

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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
*B22D 19/02* (2006.01)  
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*C22C 1/10* (2006.01)  
*C22C 29/02* (2006.01)  
*C22C 47/08* (2006.01)  
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 (54) Reference-based document ranking system  
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 (72) MARMANIS, Haralambos  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2021230560  
 (21) 2021230560 (22) 05.03.2021  
 (54) Beverage container stopper and pressurization system  
 (51) Int. Cl.  
*B65D 45/02* (2006.01)  
*B65D 45/20* (2006.01)  
*B65D 51/24* (2006.01)  
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 (72) DERUNTZ, Otto; RIDER, Michael  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) CytoAgents, Inc.  
 (11) AU-A-2021220877  
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 (54) Compositions and methods for treating coronavirus infections  
 (51) Int. Cl.  
*A61K 31/5575* (2006.01)  
*A61P 11/00* (2006.01)  
*A61P 31/14* (2006.01)  
*A61P 37/02* (2006.01)  
*C12N 15/50* (2006.01)

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 (72) CRAIGO, Jodi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Daewoong Pharmaceutical Co., Ltd.  
 (11) AU-A-2021225706  
 (21) 2021225706 (22) 26.02.2021  
 (54) Intermediate useful for synthesis of SGLT inhibitor and method for preparing SGLT inhibitor using same  
 (51) Int. Cl.  
*C07D 307/82* (2006.01)  
*A61K 31/343* (2006.01)  
*C07H 1/02* (2006.01)  
*C07H 17/04* (2006.01)

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 (21) 2021230544 (22) 04.03.2021  
 (54) Antiviral structurally-stabilized SARS-CoV-2 peptides and uses thereof  
 (51) Int. Cl.  
*A61K 38/10* (2006.01)

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 (72) WALENSKY, Loren D.; BIRD, Gregory H.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Compositions and methods for targeting, editing or modifying human genes  
 (51) Int. Cl.  
*C12N 15/11* (2006.01)  
*C12N 5/0783* (2010.01)  
*C12N 9/22* (2006.01)

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 (51) Int. Cl.  
*G01N 33/48* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/103* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*A61B 10/00* ( 2006.01 )  
*G01N 21/01* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Depuy Synthes Products, Inc.  
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 (54) System and method for inserting an intramedullary nail  
 (51) Int. Cl.  
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 (74) Spruson & Ferguson
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 (54) Machine learning in an artificial pancreas  
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*A61M 5/172* ( 2006.01 )  
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 (54) Evaluation of data to provide decision support for a ketogenic lifestyle  
 (51) Int. Cl.  
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- (71) Dharmatilleke, M.; Dharmatilleke, N.  
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 (21) 2020418397 (22) 12.07.2020  
 (54) A free space "pop-out" and "sink-in" hologram device to create, generate, display and share high definition free space "pop-out" and "sink-in" holograms with pop-out and sink-in holographic Augmented Reality (AR), Virtual Reality (VR) and Mixed Reality (MR)  
 (51) Int. Cl.  
*G03H 1/26* ( 2006.01 )  
*G02F 1/1334* ( 2006.01 )  
*G03H 1/22* ( 2006.01 )  
*G06T 19/00* ( 2011.01 )  
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 (74) Sam Dharma
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 (21) 2021222360 (22) 19.02.2021  
 (54) CXCL8 inhibitor and pharmaceutical composition thereof for use in the treatment of cancer-related fatigue  
 (51) Int. Cl.  
*A61K 31/18* ( 2006.01 )  
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*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (43) 26.08.2021  
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 (21) 2021212699 (22) 21.01.2021  
 (54) Agricultural tool-holder  
 (51) Int. Cl.  
*A01B 63/24* ( 2006.01 )  
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 (72) QUATTRINI, Roberto  
 (74) FB Rice Pty Ltd
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 (54) Tebuconazole formulations  
 (51) Int. Cl.  
*A01N 25/02* ( 2006.01 )
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*A01P 3/00* ( 2006.01 )  
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 (72) ZWEIFEL, Daniel F.; ZAUGG-HOOZEMANS, Evelyn A.  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) Dow Global Technologies LLC; Rohm and Haas Company  
 (11) AU-A-2021217052  
 (21) 2021217052 (22) 28.01.2021  
 (54) Bacillus thuringiensis pesticide formulations  
 (51) Int. Cl.  
*A01N 63/23* ( 2020.01 )  
*A01N 65/00* ( 2009.01 )  
 (87) WO2021/158420  
 (31) 62/970,431 (32) 05.02.20 (33) US  
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 (72) ARUMUGAM, Selvanathan; WOELFLE-GUPTA, Caroline; YU, Wanglin  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) Dupont Nutrition Biosciences ApS  
 (11) AU-A-2021217391  
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 (54) Feed compositions for animal health  
 (51) Int. Cl.  
*A23K 10/18* ( 2016.01 )  
*A23K 50/10* ( 2016.01 )  
*C12N 1/20* ( 2006.01 )  
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 (54) Muscle targeting complexes and uses thereof for treating dystrophinopathies  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 21/00* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
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 (31) 62/959,796 (32) 10.01.20 (33) US  
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 (72) SUBRAMANIAN, Romesh R.; QATANANI, Mohammed T.; WEEDEN,

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Timothy; DESJARDINS, Cody A.;  
QUINN, Brendan; RHODES, Jason P.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Dyne Therapeutics, Inc.  
**(11)** AU-A-2021205492  
**(21)** 2021205492 **(22)** 08.01.2021  
**(54)** Muscle targeting complexes and uses thereof for treating facioscapulohumeral muscular dystrophy  
**(51)** Int. Cl.  
**C12N 15/00** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
**C12N 15/09** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )

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QATANANI, Mohammed T.; WEEDEN,  
Timothy; DESJARDINS, Cody A.;  
QUINN, Brendan; RHODES, Jason P.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Dyne Therapeutics, Inc.  
**(11)** AU-A-2021206234  
**(21)** 2021206234 **(22)** 08.01.2021  
**(54)** Muscle targeting complexes and uses thereof for treating myotonic dystrophy  
**(51)** Int. Cl.  
**A61P 21/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )

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**(72)** SUBRAMANIAN, Romesh R.;  
QATANANI, Mohammed T.; WEEDEN,  
Timothy; DESJARDINS, Cody A.;  
QUINN, Brendan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Earthmoving Industry Engineering Pty Ltd  
**(11)** AU-A-2021214412  
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**(54)** Coupler for an excavator  
**(51)** Int. Cl.

**E02F 3/36** ( 2006.01 )  
**(87)** WO2021/151146  
**(31)** 2020900217 **(32)** 28.01.20 **(33)** AU  
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**(72)** HE, Zhengyu; MASON, Adrian  
**(74)** Griffith Hack

**(71)** Eberlein, S.  
**(11)** AU-A-2021206441  
**(21)** 2021206441 **(22)** 06.01.2021  
**(54)** Track section for the operation of electrically driven rail vehicles  
**(51)** Int. Cl.  
**B60L 5/38** ( 2006.01 )  
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**(31)** DE 10 2020 000 **(32)** 08.01.20 **(33)** DE  
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**(43)** 15.07.2021  
**(72)** EBERLEIN, Surim  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Ecochem Australia Pty Ltd  
**(11)** AU-A-2021377723  
**(21)** 2021377723 **(22)** 31.08.2021  
**(54)** Systems and methods for automatically cleaning converters with heated fluids  
**(51)** Int. Cl.  
**B08B 3/08** ( 2006.01 )  
**B08B 3/10** ( 2006.01 )  
**B41L 41/00** ( 2006.01 )  
**(87)** WO2022/099346  
**(31)** 2020904107 **(32)** 10.11.20 **(33)** AU  
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**(72)** LITERSKI, Geoffrey  
**(74)** mdp Patent and Trade Mark Attorneys

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**(11)** AU-A-2021213129  
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**(54)** Parahydrogen and atomic hydrogen fuel  
**(51)** Int. Cl.  
**B60K 15/035** ( 2006.01 )  
**B65D 25/14** ( 2006.01 )  
**B67D 7/32** ( 2010.01 )  
**(87)** WO2021/154868  
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**(43)** 05.08.2021  
**(72)** AREVALO, Jorge; KIYAN, Carlos  
**(74)** Griffith Hack

**(71)** Eli Lilly and Company  
**(11)** AU-A-2021219634  
**(21)** 2021219634 **(22)** 05.02.2021  
**(54)** 7-(methylamino)pyrazolo[1,5-a]pyrimidine-3-carboxamide compounds  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )

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**(43)** 19.08.2021  
**(72)** BLEISCH, Thomas John; CHEN, Zhao-gen; JESSOP, Theodore Curtis  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Enphase Energy, Inc.  
**(11)** AU-A-2021210923  
**(21)** 2021210923 **(22)** 21.01.2021  
**(54)** Method and apparatus for synchronizing start-up of grid-forming inverters  
**(51)** Int. Cl.  
**H02J 3/14** ( 2006.01 )  
**G05B 15/02** ( 2006.01 )  
**H02J 3/38** ( 2006.01 )  
**(87)** WO2021/150725  
**(31)** 62/963,669 **(32)** 21.01.20 **(33)** US  
**(43)** 29.07.2021  
**(72)** MOORE, Jeremy Omar; ZIMMANCK, Donald Richard  
**(74)** Spruson & Ferguson

**(71)** Enphase Energy, Inc.  
**(11)** AU-A-2021213752  
**(21)** 2021213752 **(22)** 28.01.2021  
**(54)** Method and apparatus for relative value generation of resources based on knapsack algorithms  
**(51)** Int. Cl.  
**H02J 3/14** ( 2006.01 )  
**G06Q 50/06** ( 2012.01 )  
**H02J 3/00** ( 2006.01 )  
**(87)** WO2021/154924  
**(31)** 62/966,810 **(32)** 28.01.20 **(33)** US  
**(43)** 05.08.2021  
**(72)** ZIMMANCK, Donald Richard  
**(74)** Spruson & Ferguson

**(71)** Esco Group LLC  
**(11)** AU-A-2021217678  
**(21)** 2021217678 **(22)** 05.02.2021  
**(54)** Pin assembly  
**(51)** Int. Cl.  
**E02F 3/48** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )  
**(87)** WO2021/159003  
**(31)** 62/971,900 **(32)** 07.02.20 **(33)** US  
**(43)** 12.08.2021  
**(72)** GREWELL, Christopher E.; MCCULLUM, Shawn M.; ASHFORD, Dustin L.; ZIMMERMAN, Lee A.; LECHTENBERG, Craig D.  
**(74)** Minter Ellison

**(71)** Essilor International  
**(11)** AU-A-2021221240  
**(21)** 2021221240 **(22)** 08.02.2021  
**(54)** Detecting and correcting a variation of current refractive error and of current accommodation amplitude of a person  
**(51)** Int. Cl.  
**A61B 3/00** ( 2006.01 )  
**(87)** WO2021/160544  
**(31)** 20305131.3 **(32)** 12.02.20 **(33)** EP  
**(43)** 19.08.2021  
**(72)** MARIN, Gildas; NETTER, Estelle; GIRAUDET, Guillaume  
**(74)** Spruson & Ferguson

**(71)** Etherna Immunotherapies NV; Vrije Universiteit Brussel  
**(11)** AU-A-2021211894  
**(21)** 2021211894 **(22)** 21.01.2021



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 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/24** ( 2006.01 )  
 (87) WO2021/148511  
 (31) 20152938.5 (32) 21.01.20 (33) EP  
 20152995.5 21.01.20 EP  
 20179434.4 11.06.20 EP  
 (43) 29.07.2021  
 (72) DE KOKER, Stefaan; BEVERS, Sanne;  
 SCHIFFELERS, Raymond Michel;  
 KOOIJMANS, Sander Alexander Ant-  
 onius  
 (74) Collison & Co
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- (71) Euromed, S.A.  
 (11) AU-A-2021256776  
 (21) 2021256776 (22) 14.04.2021  
 (54) Method for obtaining a botanical extract  
 (51) Int. Cl.  
**A61K 36/185** ( 2006.01 )  
**A61K 36/15** ( 2006.01 )  
**A61K 36/21** ( 2006.01 )  
**A61K 36/42** ( 2006.01 )  
**A61K 36/44** ( 2006.01 )  
**A61K 36/575** ( 2006.01 )  
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**A61K 36/87** ( 2006.01 )  
**A61K 36/9066** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
**B01D 1/00** ( 2006.01 )  
 (87) WO2021/209667  
 (31) 20382301.8 (32) 15.04.20 (33) EP  
 (43) 21.10.2021  
 (72) ROIG ALMIRALL, Francisco Javier;  
 VILLAR GONZALEZ, Agustin; GUER-  
 RERO MARTINEZ, Juan Ramon;  
 VERGES BENET, Juan Antonio  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Evapco, Inc.  
 (11) AU-A-2021224936  
 (21) 2021224936 (22) 19.02.2021  
 (54) Double stack "V" heat exchanger  
 (51) Int. Cl.  
**F28B 1/06** ( 2006.01 )  
**F28C 1/14** ( 2006.01 )  
**F28D 5/00** ( 2006.01 )  
 (87) WO2021/168262  
 (31) 62/978,667 (32) 19.02.20 (33) US  
 17/180,205 19.02.21 US  
 (43) 26.08.2021  
 (72) BYRNE, Tom  
 (74) Davies Collison Cave Pty Ltd
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- (71) Exelixis, Inc.  
 (11) AU-A-2021226747  
 (21) 2021226747 (22) 23.02.2021  
 (54) Compounds and methods of use  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )
- C07D 405/14** ( 2006.01 )  
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 (31) 62/980,954 (32) 24.02.20 (33) US  
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 (43) 02.09.2021  
 (72) BANNEN, Lynne; XU, Wei; WANG,  
 Yong; RAUB, Andrew; SPANGLER,  
 Benjamin; SALVANT, Justin; TSO, Kin;  
 JIANG, Faming  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Firepicket Pty Ltd  
 (11) AU-A-2021217422  
 (21) 2021217422 (22) 08.02.2021  
 (54) A barrier  
 (51) Int. Cl.  
**E02B 3/10** ( 2006.01 )  
**A62C 2/06** ( 2006.01 )  
 (87) WO2021/155446  
 (31) 2020900338 (32) 07.02.20 (33) AU  
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 (43) 12.08.2021  
 (72) KANE, Hugh  
 (74) Golja Haines & Friend
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- (71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2021216827  
 (21) 2021216827 (22) 03.02.2021  
 (54) Respiratory or surgical humidifier and  
 method of use  
 (51) Int. Cl.  
**G01R 31/28** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )  
 (87) WO2021/158127  
 (31) 62/970,047 (32) 04.02.20 (33) US  
 (43) 12.08.2021  
 (72) YU, Yintao; ALNASHI, Sinaa; LIANG,  
 Wenjie Robin; TSANG, Jonathan Luke  
 Hoi-Man  
 (74) Ellis Terry
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- (71) Flash Therapeutics, LLC  
 (11) AU-A-2020436612  
 (21) 2020436612 (22) 16.03.2020  
 (54) Compounds for treating or inhibiting re-  
 currence of acute myeloid leukemia  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
 (87) WO2021/184154  
 (43) 23.09.2021  
 (72) DING, Kejia; SERRANO-WU, Michael;  
 YE, Zhixiong  
 (74) Pearce IP Pty Ltd
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- (71) FNV IP B.V.  
 (11) AU-A-2021223204  
 (21) 2021223204 (22) 18.02.2021  
 (54) Apparatus, method and system for  
 measuring locations on an object  
 (51) Int. Cl.  
**G01C 11/06** ( 2006.01 )  
**G01B 11/00** ( 2006.01 )  
**G01B 11/16** ( 2006.01 )  
**G01C 15/00** ( 2006.01 )
- G01C 15/04** ( 2006.01 )  
**G01C 15/06** ( 2006.01 )  
**G01S 5/16** ( 2006.01 )  
 (87) WO2021/167452  
 (31) 2024966 (32) 21.02.20 (33) NL  
 (43) 26.08.2021  
 (72) JONGSMA, Arnoud Marc; VAN WEER-  
 EN, Dennis; DE BIJL, Mario Josephus  
 (74) Griffith Hack
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- (71) FP BUSINESS INVEST  
 (11) AU-A-2021238849  
 (21) 2021238849 (22) 19.03.2021  
 (54) Added frame for splicing a conveyor  
 belt and associated splice  
 (51) Int. Cl.  
**F16G 3/08** ( 2006.01 )  
**F16G 1/08** ( 2006.01 )  
 (87) WO2021/186075  
 (31) FR2002770 (32) 20.03.20 (33) FR  
 (43) 23.09.2021  
 (72) TAVERNIER, Bernard; GUILLEMET,  
 Frédéric  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Fresh Inset S.A.  
 (11) AU-A-2021217212  
 (21) 2021217212 (22) 29.01.2021  
 (54) Stable 1-methylcyclopropene composi-  
 tions and uses thereof  
 (51) Int. Cl.  
**A01N 27/00** ( 2006.01 )  
**A01N 25/06** ( 2006.01 )  
**A01N 25/22** ( 2006.01 )  
**A01P 21/00** ( 2006.01 )  
 (87) WO2021/156722  
 (31) 62/969,260 (32) 03.02.20 (33) US  
 (43) 12.08.2021  
 (72) WOLAN, Andrzej Jan; CZAJKOWSKA,  
 Lucyna; GURANOWSKA, Katarzyna  
 Anna; RAKOWIECKI, Marcin; AN-  
 DRUSIAK, Joanna; BOSIAK, Mariusz  
 Jan  
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 neys Pty Ltd
- 
- (71) Fronius International GmbH  
 (11) AU-A-2021216172  
 (21) 2021216172 (22) 01.02.2021  
 (54) Inverter with leg current detection  
 (51) Int. Cl.  
**H02M 7/48** ( 2007.01 )  
**G01R 19/00** ( 2006.01 )  
 (87) WO2021/156191  
 (31) 20155366.6 (32) 04.02.20 (33) EP  
 (43) 12.08.2021  
 (72) LUGER, Philipp; OBERZAUCHER,  
 Friedrich  
 (74) FB Rice Pty Ltd
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- (71) Fronius International GmbH  
 (11) AU-A-2021234990  
 (21) 2021234990 (22) 10.03.2021  
 (54) Method and photovoltaic inverter for de-  
 termining the insulation resistance of a  
 photovoltaic system to ground  
 (51) Int. Cl.

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

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**G01R 27/02** ( 2006.01 )  
**G01R 27/18** ( 2006.01 )  
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**(31)** 20162301.4 **(32)** 11.03.20 **(33)** EP  
**(43)** 16.09.2021  
**(72)** FISCHEREDER, Franz;  
MÜHLBERGER, Andreas; PIRCHEN-  
FELLNER, Jürgen; LUGER, Andreas  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Fundamenta Therapeutics Inc.  
**(11)** AU-A-2021206752  
**(21)** 2021206752 **(22)** 08.01.2021  
**(54)** Engineered T cell, and preparation and  
use thereof  
**(51)** Int. Cl.  
**C12N 5/078** ( 2010.01 )  
**A61K 35/16** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/867** ( 2006.01 )  
**(87)** WO2021/139755  
**(31)** 202010022475.6 **(32)** 09.01.20 **(33)** CN  
**(43)** 15.07.2021  
**(72)** LI, Jun; ZHANG, Pengchao; ZHANG,  
Yinhang  
**(74)** Spruson & Ferguson

**(71)** Gaikwad, N.  
**(11)** AU-A-2020430828  
**(21)** 2020430828 **(22)** 01.09.2020  
**(54)** A system for concentrating, collecting,  
and transmitting sunlight  
**(51)** Int. Cl.  
**G02B 3/08** ( 2006.01 )  
**F24S 23/30** ( 2018.01 )  
**G02B 6/32** ( 2006.01 )  
**H01L 31/054** ( 2014.01 )  
**(87)** WO2021/165981  
**(31)** 202023007333 **(32)** 20.02.20 **(33)** IN  
**(43)** 26.08.2021  
**(72)** GAIKWAD, Nikhil  
**(74)** Nikhil Gaikwad

**(71)** Galbierz, T.; Galbierz, M.  
**(11)** AU-A-2021226356  
**(21)** 2021226356 **(22)** 25.02.2021  
**(54)** Reusable elastic wound care dressing  
cover  
**(51)** Int. Cl.  
**A61F 13/02** ( 2006.01 )  
**(87)** WO2021/173801  
**(31)** 62/981,377 **(32)** 25.02.20 **(33)** US  
**(43)** 02.09.2021  
**(72)** GALBIERZ, Thomas R.; GALBIERZ,  
Michael A.  
**(74)** Zone Patents Limited

**(71)** Garcia-Brosa, M.  
**(11)** AU-A-2021218709  
**(21)** 2021218709 **(22)** 11.02.2021  
**(54)** Coordinated delivery of dining experi-  
ences  
**(51)** Int. Cl.  
**G06Q 50/12** ( 2012.01 )

**G06Q 10/06** ( 2012.01 )  
**G06Q 10/08** ( 2012.01 )  
**(87)** WO2021/163376  
**(31)** 62/972,762 **(32)** 11.02.20 **(33)** US  
17/173,848 11.02.21 US  
17/173,983 11.02.21 US  
**(43)** 19.08.2021  
**(72)** GARCIA-BROSA, Martin  
**(74)** Adams Pluck

**(71)** Gate Gourmet Switzerland GmbH  
**(11)** AU-A-2021210152  
**(21)** 2021210152 **(22)** 21.01.2021  
**(54)** Method of producing a cellulose-based  
product  
**(51)** Int. Cl.  
**B32B 1/00** ( 2006.01 )  
**B32B 7/12** ( 2006.01 )  
**B32B 29/00** ( 2006.01 )  
**B32B 37/12** ( 2006.01 )  
**B32B 38/12** ( 2006.01 )  
**(87)** WO2021/148514  
**(31)** 20153462.5 **(32)** 23.01.20 **(33)** EP  
20153939.2 27.01.20 EP  
**(43)** 29.07.2021  
**(72)** FRANSEN, Ludovicus Adriaan Maria;  
WILLEMS, Gert William Raf  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Gauss Surgical, Inc.  
**(11)** AU-A-2021214923  
**(21)** 2021214923 **(22)** 26.01.2021  
**(54)** Instrument tracking machine  
**(51)** Int. Cl.  
**G06K 7/01** ( 2006.01 )  
**G06K 19/02** ( 2006.01 )  
**G06K 19/06** ( 2006.01 )  
**G08B 23/00** ( 2006.01 )  
**(87)** WO2021/154717  
**(31)** 62/968,538 **(32)** 31.01.20 **(33)** US  
**(43)** 05.08.2021  
**(72)** KUMAR, Mayank; JANTIKAR, Sheet-  
al Deepak; SATISH, Siddarth; MILLER,  
Kevin J.; SCHERF, Steven; CARROLL,  
Charles Peterson  
**(74)** Davies Collison Cave Pty Ltd

**(71)** GC Corporation  
**(11)** AU-A-2020426728  
**(21)** 2020426728 **(22)** 29.10.2020  
**(54)** Glass ionomer cement for dental use  
**(51)** Int. Cl.  
**A61K 6/831** ( 2020.01 )  
**A61K 6/887** ( 2020.01 )  
**A61K 6/889** ( 2020.01 )  
**(87)** WO2021/152944  
**(31)** 2020-015160 **(32)** 31.01.20 **(33)** JP  
**(43)** 05.08.2021  
**(72)** ISHIDA, Ayaka; TANAKA, Koji;  
FUJIMOTO, Ayaka; MORI, Daizaburo  
**(74)** Spruson & Ferguson

**(71)** General Mills, Inc.  
**(11)** AU-A-2021216025  
**(21)** 2021216025 **(22)** 05.02.2021  
**(54)** High protein food  
**(51)** Int. Cl.

**A23L 25/10** ( 2016.01 )  
**A23L 33/185** ( 2016.01 )  
**(87)** WO2021/158852  
**(31)** 62/971,622 **(32)** 07.02.20 **(33)** US  
**(43)** 12.08.2021  
**(72)** BROWN, Allison; DAVLIN, Catherine;  
ROSENE, Sara; SIEBOLD, Jon Duke;  
WEATHERBY, Natasha  
**(74)** FB Rice Pty Ltd

**(71)** Gilead Sciences, Inc.  
**(11)** AU-A-2021221980  
**(21)** 2021221980 **(22)** 17.02.2021  
**(54)** A 5-(4-aminopyrrolo[2,1-f]  
[1,2,4]triazin-7-yl)-2-cyano-3,4-di-  
hydroxytetrahydrofurane derivative as  
antiviral agent  
**(51)** Int. Cl.  
**A61K 31/706** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(87)** WO2021/168008  
**(31)** 62/977,969 **(32)** 18.02.20 **(33)** US  
**(43)** 26.08.2021  
**(72)** CHUN, Byoung-Kwon; DOERFFLER,  
Edward; SIEGEL, Dustin S.; STEVENS,  
Andrew C.; VIEIRA, Tiago  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Gilead Sciences, Inc.  
**(11)** AU-A-2021224137  
**(21)** 2021224137 **(22)** 16.02.2021  
**(54)** Antiviral compounds  
**(51)** Int. Cl.  
**A61P 31/12** ( 2006.01 )  
**A61K 31/706** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07F 9/6561** ( 2006.01 )  
**(87)** WO2021/167882  
**(31)** 62/978,192 **(32)** 18.02.20 **(33)** US  
**(43)** 26.08.2021  
**(72)** BYUN, Daniel H.; CHIN, Gregory F.;  
CHUN, Byoung-Kwon; CLARKE, Mi-  
chael O.; GOYAL, Bindu; HUI, Hon  
C.; JANSÁ, Petr; MACKMAN, Richard  
L.; MISH, Michael R.; SIEGEL, Dustin  
S.; SPERANDIO, David; YANG, Hai;  
ZHANG, Lijun  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Globalforce IP Limited  
**(11)** AU-A-2020427395  
**(21)** 2020427395 **(22)** 04.08.2020  
**(54)** Improvements in, or relating to, exhaust  
valves for pressurised fluid operated  
devices  
**(51)** Int. Cl.  
**B25C 1/04** ( 2006.01 )  
**B25C 5/13** ( 2006.01 )  
**F15B 15/20** ( 2006.01 )  
**(87)** WO2021/158125  
**(31)** NZ761370 **(32)** 03.02.20 **(33)** NZ  
62/986,563 06.03.20 US  
**(43)** 12.08.2021  
**(72)** PATERSON, Ian Craig; DUFF, William  
Michael  
**(74)** AJ PARK

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(11) AU-A-2020427693  
(21) 2020427693 (22) 11.12.2020  
(54) Improvements in, or relating to, trigger valves for pressurised fluid operated devices  
(51) Int. Cl.  
**B25C 1/04** ( 2006.01 )  
**B25D 9/08** ( 2006.01 )  
**B25D 9/18** ( 2006.01 )  
(87) WO2021/158126  
(31) 761370 (32) 03.02.20 (33) NZ  
62/986,563 06.03.20 US  
(43) 12.08.2021  
(72) PATERSON, Ian Craig; DUFF, William Michael  
(74) AJ PARK
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- (71) GRAVITY Inc.  
(11) AU-A-2021216392  
(21) 2021216392 (22) 03.02.2021  
(54) Selective synchronization of database objects  
(51) Int. Cl.  
**G06F 16/27** ( 2019.01 )  
**G06F 16/178** ( 2019.01 )  
**G06F 16/182** ( 2019.01 )  
**G06F 16/23** ( 2019.01 )  
(87) WO2021/158710  
(31) 62/970,163 (32) 04.02.20 (33) US  
17/167,014 03.02.21 US  
(43) 12.08.2021  
(72) POLISETTY, Ravindra V.  
(74) Adams Pluck
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- (71) Grünenthal GmbH  
(11) AU-A-2021256948  
(21) 2021256948 (22) 13.04.2021  
(54) Resiniferatoxin compositions  
(51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 31/357** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/22** ( 2006.01 )  
**A61K 47/24** ( 2006.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/44** ( 2017.01 )  
(87) WO2021/209450  
(31) 20169668.9 (32) 15.04.20 (33) EP  
(43) 21.10.2021  
(72) BERNKOP-SCHNÜRCH, Andreas; VALDENNAIRE, Olivier; GILLER, Thomas  
(74) Spruson & Ferguson
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- (71) GW Research Limited  
(11) AU-A-2021227591  
(21) 2021227591 (22) 01.03.2021  
(54) Methods of treating tuberous sclerosis complex with cannabidiol and everolimus  
(51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
**A61K 36/185** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
(87) WO2021/171045
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- (31) 62/982,506 (32) 27.02.20 (33) US  
2002754.6 27.02.20 GB  
(43) 02.09.2021  
(72) GUY, Geoffrey; KNAPPERTZ, Volker; DUNAYEVICH, Eduardo; CRITCHLEY, David  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Halliburton Energy Services, Inc.  
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(21) 2020455342 (22) 30.06.2020  
(54) Smart fracturing plug with fracturing sensors  
(51) Int. Cl.  
**E21B 47/10** ( 2012.01 )  
**E21B 23/06** ( 2006.01 )  
**E21B 33/12** ( 2006.01 )  
**E21B 43/116** ( 2006.01 )  
**E21B 43/267** ( 2006.01 )  
**E21B 47/06** ( 2012.01 )  
(87) WO2021/262200  
(31) 16/907,431 (32) 22.06.20 (33) US  
(43) 30.12.2021  
(72) FRIPP, Michael Linley; CANNING, Sean C.  
(74) Spruson & Ferguson
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- (71) Hansa Biopharma AB  
(11) AU-A-2021220629  
(21) 2021220629 (22) 12.02.2021  
(54) Immunoglobulin detection and associated therapies  
(51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**A61K 38/48** ( 2006.01 )  
(87) WO2021/160805  
(31) 2002072.3 (32) 14.02.20 (33) GB  
(43) 19.08.2021  
(72) RUNSTRÖM, Anna; BOCKERMANN, Robert; SJÖHOLM, Kristoffe; ROUPÉ, Markus; KJELLMAN, Christian; LORANT, Tomas  
(74) FPA Patent Attorneys Pty Ltd
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- (71) HapInScience Inc.  
(11) AU-A-2021216358  
(21) 2021216358 (22) 02.02.2021  
(54) Composition for preventing or treating pulmonary diseases comprising hyaluronan and proteoglycan link protein 1  
(51) Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**A23L 33/17** ( 2016.01 )  
**A61K 38/17** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
(87) WO2021/158000  
(31) 10-2020-0012742 (32) 03.02.20 (33) KR  
(43) 12.08.2021  
(72) KIM, Dae Kyong; PIAO, Yong Wei; JANG, Ji Min; ZHOU, Dan; YUN, So Yoon; PARK, Bo Kyung  
(74) FB Rice Pty Ltd
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- (71) Higgins Research & Development, LLC  
(11) AU-A-2021217327  
(21) 2021217327 (22) 13.01.2021
- 
- (54) Floor covering  
(51) Int. Cl.  
**D05C 17/02** ( 2006.01 )  
**A47G 27/02** ( 2006.01 )  
**A47G 27/04** ( 2006.01 )  
**B32B 37/12** ( 2006.01 )  
**D06N 7/00** ( 2006.01 )  
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(51) Int. Cl.  
**A61B 6/02** ( 2006.01 )  
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**G06T 7/00** ( 2017.01 )  
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(51) Int. Cl.  
**G06T 7/11** ( 2017.01 )  
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 (51) Int. Cl.  
**A61G 7/08** ( 2006.01 )  
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 (54) Damage evaluation device and damage evaluation method  
 (51) Int. Cl.  
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**C12Q 1/6837** ( 2018.01 )  
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 (21) 2021216612 (22) 05.02.2021  
 (54) Methods for detecting primary immunodeficiency  
 (51) Int. Cl.  
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**G16B 25/10** ( 2019.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (54) Repeated administration of dihydroergotamine for treatment of frequent migraine headaches  
 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
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 (54) Egg characteristic determining device  
 (51) Int. Cl.  
**G01N 33/08** ( 2006.01 )  
**A01K 43/00** ( 2006.01 )  
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 (54) Egg positioning device  
 (51) Int. Cl.  
*G01N 33/08* ( 2006.01 )  
*A01K 43/00* ( 2006.01 )  
*A01K 45/00* ( 2006.01 )  
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 (31) 2024701 (32) 17.01.20 (33) NL  
 (43) 22.07.2021  
 (72) STUTTERHEIM, Wil Marijn; VAN BOMMEL, Leonard; BRUINS, Wouter Sebastiaan; DIJKSTERHUIS, Edwin  
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 (21) 2021209000 (22) 18.01.2021  
 (54) Egg sampling device  
 (51) Int. Cl.  
*A01K 45/00* ( 2006.01 )  
*A01K 43/00* ( 2006.01 )  
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 (51) Int. Cl.  
*C12Q 1/6834* ( 2018.01 )  
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 (72) WANG, Alexandra Hui; DILGER, Katharine; CUNNINGHAM, Rachael  
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 (21) 2021236960 (22) 11.02.2021  
 (54) Adaptive state management for stateless services  
 (51) Int. Cl.  
*G06F 12/00* ( 2006.01 )  
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 (11) AU-A-2021236965  
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 (54) Automatically generating diverse text  
 (51) Int. Cl.  
*G06F 16/332* ( 2019.01 )  
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 (54) Event correlation in fault event management  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
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 (54) Adjusting performance of computing system  
 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
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 (54) Optical synapses  
 (51) Int. Cl.  
*G11C 11/54* ( 2006.01 )  
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 (54) Multi-terminal phase change memory device  
 (51) Int. Cl.  
*G11C 13/00* ( 2006.01 )  
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 (11) AU-A-2021244852  
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 (54) Offloading statistics collection  
 (51) Int. Cl.  
*G06F 16/38* ( 2019.01 )  
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 (31) 16/827,891 (32) 24.03.20 (33) US  
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 (72) BUTTERSTEIN, Dennis; BENKE, Oliver; BERGMANN, Tobias; BEIER, Felix; PURCELL, Terence  
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 (11) AU-A-2021240437  
 (21) 2021240437 (22) 24.02.2021  
 (54) Method for selecting datasets for updating artificial intelligence module  
 (51) Int. Cl.  
*G06N 3/08* ( 2006.01 )  
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 (21) 2021243749 (22) 15.02.2021  
 (54) Mechanically stamped unique features for authenticity and provenance tracking  
 (51) Int. Cl.  
*G07D 7/20* ( 2016.01 )  
*B42D 25/30* ( 2014.01 )  
*G06K 19/06* ( 2006.01 )  
*G07D 7/12* ( 2016.01 )  
*G09F 3/02* ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (54) Operating a superconducting channel by electron injection  
 (51) Int. Cl.  
*H01L 39/16* ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Hybrid readout package for quantum multichip bonding  
 (51) Int. Cl.  
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*H01L 21/00* ( 2006.01 )  
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 (54) Systems and methods for harnessing energy from wind  
 (51) Int. Cl.  
*F03D 3/04* ( 2006.01 )  
*F03D 9/45* ( 2016.01 )  
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 (74) WRAYS PTY LTD

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 (11) AU-A-2021216169  
 (21) 2021216169 (22) 01.02.2021  
 (54) Installation device for carrying out installation steps on a wall and method for exchanging a tool of an installation apparatus  
 (51) Int. Cl.  
*B25J 11/00* ( 2006.01 )  
*B23B 31/20* ( 2006.01 )  
*B23B 31/24* ( 2006.01 )  
*B23B 39/14* ( 2006.01 )  
*B23Q 3/155* ( 2006.01 )  
*B23Q 3/157* ( 2006.01 )  
*B25D 17/08* ( 2006.01 )  
*B25J 15/04* ( 2006.01 )  
*B28D 1/14* ( 2006.01 )  
*B66B 7/00* ( 2006.01 )  
*B66B 19/00* ( 2006.01 )  
 (87) WO2021/156167  
 (31) 20156037.2 (32) 07.02.20 (33) EP  
 (43) 12.08.2021  
 (72) CAMBRUZZI, Andrea; PASSONI, Luciano; SIMMONDS, Oliver; ZIMMERLI, Philipp  
 (74) Griffith Hack

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 (11) AU-A-2021217745  
 (21) 2021217745 (22) 01.02.2021  
 (54) Method and device for determining estimated real dimensions of an elevator car  
 (51) Int. Cl.  
*B66B 5/00* ( 2006.01 )  
*G01S 17/89* ( 2020.01 )  
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 (31) 20155774.1 (32) 06.02.20 (33) EP  
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 (11) AU-A-2021220228  
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 (54) Method of operating a computer-controlled device for establishing a secure data communication in a distributed control system of a passenger transportation arrangement  
 (51) Int. Cl.  
*B66B 1/34* ( 2006.01 )  
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 (87) WO2021/160542  
 (31) 20157156.9 (32) 13.02.20 (33) EP  
 (43) 19.08.2021  
 (72) COLOMBANO, Claudio  
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 (11) AU-A-2021220916  
 (21) 2021220916 (22) 01.02.2021  
 (54) Assembly apparatus for implementing assembly steps on a wall and method for arranging a magazine component on an assembly apparatus

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*B66B 19/00* ( 2006.01 )  
 (87) WO2021/160447  
 (31) 20156561.1 (32) 11.02.20 (33) EP  
 (43) 19.08.2021  
 (72) CAMBRUZZI, Andrea; SIMMONDS, Oliver; ZIMMERLI, Philipp  
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(71) Ipsen Biopharm Limited  
 (11) AU-A-2021238928  
 (21) 2021238928 (22) 16.03.2021  
 (54) Treatment of upper facial lines  
 (51) Int. Cl.  
*A61K 8/66* ( 2006.01 )  
*A61Q 19/08* ( 2006.01 )  
 (87) WO2021/186167  
 (31) 2003813.9 (32) 16.03.20 (33) GB  
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(71) Ireliemar B.V.  
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 (21) 2021210124 (22) 19.01.2021  
 (54) Heat exchanger and use of heat exchanger  
 (51) Int. Cl.  
*F28D 7/10* ( 2006.01 )  
*A23L 3/22* ( 2006.01 )  
*F28D 11/02* ( 2006.01 )  
*F28F 1/42* ( 2006.01 )  
*F28F 5/00* ( 2006.01 )  
*F28F 13/06* ( 2006.01 )  
*F28F 13/12* ( 2006.01 )  
*F28F 19/00* ( 2006.01 )  
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 (72) VAN DER MEIJDEN, Cornelis Adrianus  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) Method for transmitting/receiving biometric information without loss on basis of transmit packet identifier in continuous glucose monitoring system  
 (51) Int. Cl.  
*A61B 5/00* ( 2006.01 )  
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 (54) Prism for repointing reflector antenna main beam

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**H01Q 3/14** ( 2006.01 )  
**H01Q 13/02** ( 2006.01 )  
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(74) WRAYS PTY LTD
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(54) Method for obtaining an aqueous extract of lavender, compositions comprising such an extract and their cosmetic uses
- (51) Int. Cl.  
**A61K 8/9789** ( 2017.01 )  
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(74) FB Rice Pty Ltd
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(21) 2021235058 (22) 11.03.2021  
(54) Combinations of beta-lactam compounds, probenecid, and valproic acid and uses thereof
- (51) Int. Cl.  
**A61K 31/19** ( 2006.01 )  
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**H01R 24/40** ( 2011.01 )  
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**C01G 53/04** ( 2006.01 )  
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- (51) Int. Cl.  
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**C12N 1/20** ( 2006.01 )  
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**C12N 9/04** ( 2006.01 )  
**C12N 15/31** ( 2006.01 )  
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*B65D 83/08* ( 2006.01 )  
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 (54) Medicinal compositions for carbon dioxide based metered dose inhalers  
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*A61K 31/40* ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Tunnel excavation device  
 (51) Int. Cl.  
*E21D 9/06* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 31/40* ( 2006.01 )  
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 (51) Int. Cl.  
*C07C 235/46* ( 2006.01 )  
*A01N 37/18* ( 2006.01 )  
*A01P 5/00* ( 2006.01 )  
*A01P 7/02* ( 2006.01 )  
*A01P 7/04* ( 2006.01 )  
*C07C 271/16* ( 2006.01 )  
*C07C 311/09* ( 2006.01 )  
*C07C 317/18* ( 2006.01 )  
*C07C 323/12* ( 2006.01 )  
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*A61F 2/30* ( 2006.01 )  
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 (54) Load wrapping apparatus and method utilizing packaging material with recycled content  
 (51) Int. Cl.  
*B65B 63/08* ( 2006.01 )  
*B65B 11/02* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2021237249 (22) 04.03.2021  
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 (51) Int. Cl.  
*C10J 3/82* ( 2006.01 )  
*C10J 3/84* ( 2006.01 )  
*C10K 1/32* ( 2006.01 )  
*C12N 1/20* ( 2006.01 )  
*C12P 1/02* ( 2006.01 )  
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 (74) SR Intellectual Property
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 (51) Int. Cl.  
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*C10J 3/48* ( 2006.01 )  
*C12N 1/20* ( 2006.01 )  
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(54) Self-clearing dough ball loader  
(51) Int. Cl.  
A21C 9/08 ( 2006.01 )  
A21C 11/00 ( 2006.01 )  
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(54) Composition comprising anti-gen-presenting cell co-expressing MHC and tumor antigen, and cancer treatment using same  
(51) Int. Cl.  
C12N 15/62 ( 2006.01 )  
A61K 31/7088 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07K 14/47 ( 2006.01 )  
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C12N 5/0784 ( 2010.01 )  
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H01M 10/6566 ( 2014.01 )  
A62C 2/06 ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
A42B 3/04 ( 2006.01 )  
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A23K 10/16 ( 2016.01 )  
A23K 10/30 ( 2016.01 )  
A23K 20/10 ( 2016.01 )  
A23K 20/142 ( 2016.01 )  
A23K 20/158 ( 2016.01 )  
A61K 35/741 ( 2015.01 )  
A61P 1/00 ( 2006.01 )  
C12N 1/16 ( 2006.01 )  
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C12R 1/00 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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B62B 1/26 ( 2006.01 )  
B62B 3/10 ( 2006.01 )  
B65H 49/32 ( 2006.01 )  
B65H 75/40 ( 2006.01 )  
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(74) Patentec Patent Attorneys
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C25B 1/04 ( 2021.01 )  
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F04B 17/00 ( 2006.01 )  
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(51) Int. Cl.  
F21V 8/00 ( 2006.01 )  
G02B 27/00 ( 2006.01 )  
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(54) Formulations and uses thereof  
(51) Int. Cl.  
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A61K 8/36 ( 2006.01 )  
A61K 31/202 ( 2006.01 )  
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- (71) Mabwell (Shanghai) Bioscience Co., Ltd.  
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(21) 2021210061 (22) 21.01.2021  
(54) Anti-ST2 antibody and application thereof  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
A61P 37/02 ( 2006.01 )  
C07K 19/00 ( 2006.01 )  
C12N 15/13 ( 2006.01 )  
G01N 33/577 ( 2006.01 )  
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(72) XIONG, Xinhui; ZHANG, Tao; ZHONG, Kai; WU, Wei; HUANG, Qianhui; LI, Xing; PAN, Hong  
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- (71) Maceda, J.  
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- (51) Int. Cl.  
**B01D 53/14** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
**C01B 3/02** ( 2006.01 )  
**F02C 3/14** ( 2006.01 )  
**H01M 8/2455** ( 2016.01 )
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(31) 62/972,246 (32) 10.02.20 (33) US  
(43) 19.08.2021  
(72) MACEDA, Joseph Peter  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) Maco Pharma  
(11) AU-A-2021208497  
(21) 2021208497 (22) 14.01.2021  
(54) System for selective removal of a target substance from a biological fluid
- (51) Int. Cl.  
**A61M 1/02** ( 2006.01 )
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(72) BREBANT, Quentin; HOUSSIN, Timothée; PAQUET, Louis; NICOLAS, Rosa  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) MAKO Surgical Corp.  
(11) AU-A-2021216849  
(21) 2021216849 (22) 20.01.2021  
(54) Robotic hand-held surgical instrument systems with a visual indicator and methods of controlling the same
- (51) Int. Cl.  
**A61B 17/17** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61B 34/00** ( 2016.01 )  
**A61B 34/10** ( 2016.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 34/30** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )
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63/059,517 31.07.20 US  
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(72) LINDEMAN, Phillip; PAYNE, Dustin James; TIMMER, Jeffrey; MISHLER, Nathaniel Abram  
(74) Davies Collison Cave Pty Ltd
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- (71) Masimo Corporation  
(11) AU-A-2021207471  
(21) 2021207471 (22) 13.01.2021  
(54) Wearable device with physiological parameters monitoring
- (51) Int. Cl.  
**A61B 5/024** ( 2006.01 )  
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- (71) Medela Holding AG  
(11) AU-A-2021222805  
(21) 2021222805 (22) 17.02.2021  
(54) Apparatus for accumulating a fluid
- (51) Int. Cl.  
**A61M 1/06** ( 2006.01 )  
**G01F 23/292** ( 2006.01 )
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(11) AU-A-2021219103  
(21) 2021219103 (22) 09.02.2021  
(54) Tip protector for a surgical instrument, assembly and method
- (51) Int. Cl.  
**A61B 90/00** ( 2016.01 )  
**A61B 34/37** ( 2016.01 )  
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(11) AU-A-2021216502  
(21) 2021216502 (22) 03.02.2021  
(54) Devices for manipulating electromagnetic fields in a magnetic resonance system
- (51) Int. Cl.  
**G01R 33/28** ( 2006.01 )  
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**H01Q 15/00** ( 2006.01 )
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(74) FB Rice Pty Ltd
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- (71) MedImmune Limited  
(11) AU-A-2021210570  
(21) 2021210570 (22) 21.01.2021  
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- (51) Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )
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(72) HOWARD, Philip Wilson; CAILLEAU, Thais  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Megmilk Snow Brand Co., Ltd.  
(11) AU-A-2021217265  
(21) 2021217265 (22) 26.01.2021  
(54) Sleep promoting composition, and food product, medicinal product, and animal feed containing said composition
- (51) Int. Cl.  
**A23L 33/135** ( 2016.01 )  
**A23K 10/16** ( 2016.01 )  
**A61K 35/745** ( 2015.01 )  
**A61K 35/747** ( 2015.01 )  
**A61P 25/20** ( 2006.01 )  
A23C 9/123 ( 2006.01 )  
A23L 2/00 ( 2006.01 )  
A23L 2/38 ( 2021.01 )
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(72) MURAKAMI Hiroki; KO Taro; ISHIMOTO Hiroshi; KAMIKOUCHI Azusa; MORI Ikuue  
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(11) AU-A-2021236869  
(21) 2021236869 (22) 16.03.2021  
(54) Condensed pyridine derivatives substituted by amide functions as acss2 inhibitors
- (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/427** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
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(31) 20164207.1 (32) 19.03.20 (33) EP  
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(72) KOETZNER, Lisa; FUCHSS, Thomas; SCHINDLER, Christina; KUHN, Daniel  
(74) Griffith Hack
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- (71) Mercutek, LLC  
(11) AU-A-2021205880  
(21) 2021205880 (22) 06.01.2021  
(54) Spent activated carbon and industrial byproduct treatment system and method
- (51) Int. Cl.  
**B01J 20/20** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
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- (87) WO2021/142011  
(31) 62/957,687 (32) 06.01.20 (33) US  
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(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Meyer Burger (Germany) GmbH  
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(21) 2021244964 (22) 11.03.2021  
(54) Photovoltaic device and method for manufacturing the same
- (51) Int. Cl.  
**H01L 31/0745** ( 2012.01 )  
**H01L 31/0747** ( 2012.01 )  
**H01L 31/18** ( 2006.01 )  
**H01L 31/20** ( 2006.01 )

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- (71) Microport Navibot (Suzhou) Co., Ltd.  
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 (54) Bone registration method, bone registration system, bone registration control apparatus and trackable element  
 (51) Int. Cl.  
 A61B 34/10 ( 2016.01 )  
 A61B 17/16 ( 2006.01 )  
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 G16H 10/60 ( 2018.01 )  
 G16H 30/00 ( 2018.01 )
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 (74) FPA Patent Attorneys Pty Ltd
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 (11) AU-A-2020423124  
 (21) 2020423124 (22) 15.12.2020  
 (54) Adaptive frame batching to reduce speech recognition latency  
 (51) Int. Cl.  
 G10L 15/32 ( 2013.01 )  
 G10L 15/02 ( 2006.01 )  
 G10L 15/16 ( 2006.01 )
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 (74) Davies Collison Cave Pty Ltd
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- (71) Mindset Pharma Inc.  
 (11) AU-A-2021215709  
 (21) 2021215709 (22) 04.02.2021  
 (54) 3-pyrrolidine-indole derivatives as serotonergic psychedelic agents for the treatment of CNS disorders  
 (51) Int. Cl.  
 C07D 403/06 ( 2006.01 )  
 A61K 31/404 ( 2006.01 )  
 A61K 31/675 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 C07D 401/14 ( 2006.01 )  
 C07F 9/6558 ( 2006.01 )  
 C12N 5/07 ( 2010.01 )  
 C12Q 1/02 ( 2006.01 )
- (87) WO2021/155467  
 (31) 62/969,894 (32) 04.02.20 (33) US  
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 (72) SLASSI, Abdelmalik; ARAUJO, Joseph  
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- (71) Mindset Pharma Inc.  
 (11) AU-A-2021215811  
 (21) 2021215811 (22) 04.02.2021  
 (54) Psilocin derivatives as serotonergic psychedelic agents for the treatment of CNS disorders  
 (51) Int. Cl.  
 C07D 209/16 ( 2006.01 )  
 A61K 31/404 ( 2006.01 )  
 A61K 31/4045 ( 2006.01 )  
 A61K 31/454 ( 2006.01 )  
 A61K 31/675 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 C07D 401/12 ( 2006.01 )  
 C07F 9/572 ( 2006.01 )  
 C12N 5/07 ( 2010.01 )  
 C12Q 1/02 ( 2006.01 )
- (87) WO2021/155470  
 (31) 62/969,934 (32) 04.02.20 (33) US  
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 (72) SLASSI, Abdelmalik; ARAUJO, Joseph  
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 (11) AU-A-2021217424  
 (21) 2021217424 (22) 04.02.2021  
 (54) Psilocin derivatives as serotonergic psychedelic agents for the treatment of CNS disorders  
 (51) Int. Cl.  
 C07D 209/16 ( 2006.01 )  
 A61K 31/4045 ( 2006.01 )  
 A61K 31/675 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 C07F 9/572 ( 2006.01 )  
 C12N 5/07 ( 2010.01 )  
 C12Q 1/00 ( 2006.01 )
- (87) WO2021/155468  
 (31) 62/969,934 (32) 04.02.20 (33) US  
 (43) 12.08.2021  
 (72) SLASSI, Abdelmalik; ARAUJO, Joseph  
 (74) FB Rice Pty Ltd
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- (71) Miritaur LLC  
 (11) AU-A-2021210401  
 (21) 2021210401 (22) 22.01.2021  
 (54) Redefining livestock milk by removing folate receptor protein to decrease folate receptor autoimmune disorder in pregnancy and autism  
 (51) Int. Cl.  
 C07K 16/18 ( 2006.01 )  
 A23J 1/20 ( 2006.01 )  
 A23L 33/19 ( 2016.01 )  
 A61P 3/00 ( 2006.01 )  
 C07K 16/28 ( 2006.01 )
- (87) WO2021/150965  
 (31) 62/964,343 (32) 22.01.20 (33) US  
 (43) 29.07.2021  
 (72) PREMSRIRUT, Prem; QUADROS, Edward V.  
 (74) Origin Patent and Trade Mark Attorneys
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- (71) Mitsubishi Electric Corporation  
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 (21) 2020437705 (22) 27.03.2020  
 (54) Rotor, motor, blower, air-conditioning device, and method for manufacturing rotor  
 (51) Int. Cl.  
 H02K 1/27 ( 2006.01 )
- (87) WO2021/192236  
 (43) 30.09.2021  
 (72) WATANABE, Takanori; ASO, Hiroki  
 (74) Griffith Hack
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- (71) Mitsubishi Gas Chemical Company, Inc.; Tohoku Techno Arch Co., Ltd.  
 (11) AU-A-2021224331  
 (21) 2021224331 (22) 08.02.2021  
 (54) Ion conductor containing high-temperature phase of LiCB9H10 and method for producing same  
 (51) Int. Cl.  
 H01M 4/62 ( 2006.01 )  
 H01B 1/06 ( 2006.01 )  
 H01B 13/00 ( 2006.01 )  
 H01M 10/052 ( 2010.01 )  
 H01M 10/0562 ( 2010.01 )
- (87) WO2021/166705  
 (31) 2020-024326 (32) 17.02.20 (33) JP  
 (43) 26.08.2021  
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 (74) FB Rice Pty Ltd
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- (71) Mitsubishi Heavy Industries, Ltd.  
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 (21) 2021238135 (22) 12.03.2021  
 (54) Metal-air battery system  
 (51) Int. Cl.  
 H01M 12/06 ( 2006.01 )
- (87) WO2021/187356  
 (31) 2020-049139 (32) 19.03.20 (33) JP  
 (43) 23.09.2021  
 (72) NOGUUCHI, Yoshinori; KIYABU, Toshiyasu  
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- (71) MODERNATX, INC.  
 (11) AU-A-2021215938  
 (21) 2021215938 (22) 06.02.2021  
 (54) Sars-cov-2 mrna domain vaccines  
 (51) Int. Cl.  
 A61K 39/12 ( 2006.01 )  
 A61K 39/215 ( 2006.01 )  
 A61P 11/00 ( 2006.01 )  
 A61P 31/14 ( 2006.01 )
- (87) WO2021/159040  
 (31) 63/016,175 (32) 27.04.20 (33) US  
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 (43) 12.08.2021  
 (72) STEWART-JONES, Guillaume  
 (74) RnB IP Pty Ltd
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- (71) Monash University  
 (11) AU-A-2021218775  
 (21) 2021218775 (22) 12.02.2021  
 (54) Systems and methods for monitoring and control of sleep patterns  
 (51) Int. Cl.  
 G16H 20/30 ( 2018.01 )  
 A61B 5/00 ( 2006.01 )

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<b>(72)</b> SLETTEN, Tracey; VARMA, Prerna; TUCKER, Andrew James; PHILLIPS, Andrew John Kelvin; SHELLY, Benjamin Irwin; MOLINA, Gary Nelson Garcia; SENTHOORAN, Ilankaikone; MURRAY, Jade Mary; SALAZAR, Jesse; BOOKER, Lauren Adele; HOWARD, Mark Erskine; MAGEE, Michelle; BUSH, Monica Helen; WILSON RA-JARATNAM, Shanthakumar Madhan; POSTNOVA, Svetlana; MOKASHI, Yash	<b>(71)</b> National University Corporation Tokai National Higher Education and Research System; Sowakai Medical Foundation	<b>(43)</b> 18.06.2020		
<b>(74)</b> FB Rice Pty Ltd	<b>(11)</b> AU-A-2021217624	<b>(72)</b> TOWNLEY, David; SHIELDS, Brian		
	<b>(21)</b> 2021217624	<b>(74)</b> FPA Patent Attorneys Pty Ltd		
	<b>(22)</b> 03.02.2021			
<b>(54)</b> Method for the selection and separation of polymers originating from urban and/or industrial plastic waste	<b>(51)</b> Int. Cl.	<b>(71)</b> New Frontier Labs, LLC		
	<b>A61K 47/68</b> ( 2017.01 )	<b>(11)</b> AU-A-2021222580		
	<b>A61K 39/395</b> ( 2006.01 )	<b>(21)</b> 2021222580	<b>(22)</b> 19.02.2021	
	<b>A61K 45/00</b> ( 2006.01 )	<b>(54)</b> Azelaic acid esters in the treatment or prevention of dyslipidemia and associated conditions		
	<b>A61P 1/04</b> ( 2006.01 )	<b>(51)</b> Int. Cl.		
	<b>A61P 1/18</b> ( 2006.01 )	<b>A61K 31/225</b> ( 2006.01 )		
	<b>A61P 11/00</b> ( 2006.01 )	<b>A61K 45/06</b> ( 2006.01 )		
	<b>A61P 15/00</b> ( 2006.01 )	<b>A61P 3/06</b> ( 2006.01 )		
	<b>A61P 25/00</b> ( 2006.01 )	<b>(87)</b> WO2021/165924		
	<b>A61P 35/00</b> ( 2006.01 )	<b>(31)</b> 62/978,785	<b>(32)</b> 19.02.20	<b>(33)</b> US
	<b>A61P 43/00</b> ( 2006.01 )	<b>(43)</b> 26.08.2021		
	<b>C07K 16/28</b> ( 2006.01 )	<b>(72)</b> STREPPER, Robert T.; IZBICKA, Elzbieta		
	<b>C12P 21/08</b> ( 2006.01 )	<b>(74)</b> Pizzeys Patent and Trade Mark Attorneys Pty Ltd		
<b>(87)</b> WO2021/140087	<b>(87)</b> WO2021/157601	<b>(71)</b> Nobelpharma Co., Ltd.		
<b>(31)</b> 102020000000100	<b>(31)</b> 2020-016535	<b>(11)</b> AU-A-2021211317		
<b>(32)</b> 07.01.20	<b>(32)</b> 03.02.20	<b>(21)</b> 2021211317	<b>(22)</b> 23.01.2021	
<b>(33)</b> IT	<b>(43)</b> 12.08.2021	<b>(54)</b> External preparation containing rapamycin		
<b>(43)</b> 15.07.2021	<b>(72)</b> ENOMOTO Atsushi; ESAKI Nobutoshi; TAKAHASHI Masahide; MIYAI Yuki; ANDO Ryota; SHIRAKI Yukihiro; NISHIDA Yoshihiro; MATSUYAMA Makoto; MANABE Shino	<b>(51)</b> Int. Cl.		
<b>(72)</b> SCLAFANI, Paola; MICHELETTI, Francesco; RIZZO, Marco; MOLINARI, Luigi	<b>(74)</b> FB Rice Pty Ltd	<b>A61K 31/436</b> ( 2006.01 )		
<b>(74)</b> Griffith Hack		<b>A61K 9/06</b> ( 2006.01 )		
		<b>A61K 47/10</b> ( 2017.01 )		
		<b>A61K 47/14</b> ( 2017.01 )		
		<b>A61P 17/00</b> ( 2006.01 )		
		<b>A61P 37/06</b> ( 2006.01 )		
<b>(71)</b> National Health Research Institutes	<b>(71)</b> Navaux, Inc.	<b>(87)</b> WO2021/149827		
<b>(11)</b> AU-A-2021230288	<b>(11)</b> AU-A-2021215999	<b>(31)</b> 2020-009633	<b>(32)</b> 24.01.20	<b>(33)</b> JP
<b>(21)</b> 2021230288	<b>(21)</b> 2021215999	<b>(43)</b> 29.07.2021		
<b>(22)</b> 03.03.2021	<b>(22)</b> 03.02.2021	<b>(72)</b> YASUZAWA, Toru; IGAKI, Matsuo; MATSUMOTO, Takuma; HIMI, Satoshi		
<b>(54)</b> Pyrimidine compounds and their pharmaceutical uses	<b>(54)</b> Anti-hepsin antibodies and uses thereof	<b>(74)</b> Davies Collison Cave Pty Ltd		
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>A61K 31/506</b> ( 2006.01 )	<b>A61K 39/395</b> ( 2006.01 )			
<b>A61P 35/00</b> ( 2006.01 )	<b>A61P 35/00</b> ( 2006.01 )			
<b>C07D 403/14</b> ( 2006.01 )	<b>C07K 16/40</b> ( 2006.01 )			
<b>(87)</b> WO2021/178485	<b>(87)</b> WO2021/158660	<b>(71)</b> Nuritas Limited		
<b>(31)</b> 62/986,024	<b>(31)</b> 62/970,626	<b>(11)</b> AU-A-2021217787		
<b>(32)</b> 06.03.20	<b>(32)</b> 05.02.20	<b>(21)</b> 2021217787	<b>(22)</b> 08.02.2021	
<b>(33)</b> US	<b>(33)</b> US	<b>(54)</b> Treatment of PANX1 associates diseases		
<b>(43)</b> 10.09.2021	<b>(43)</b> 12.08.2021	<b>(51)</b> Int. Cl.		
<b>(72)</b> SHIH, Chuan; CHANG, Chun-Ping; CHI, Ya-Hui; CHEN, Chiung-Tong; KE, Yi-Yu	<b>(72)</b> JOHNSON, Blake P.; O'BRIEN, Timothy J.	<b>A61K 38/08</b> ( 2019.01 )		
<b>(74)</b> FOUNDRY INTELLECTUAL PROPERTY PTY LTD	<b>(74)</b> FB Rice Pty Ltd	<b>A61K 38/16</b> ( 2006.01 )		
		<b>C07K 7/06</b> ( 2006.01 )		
		<b>(87)</b> WO2021/156504		
<b>(71)</b> National Research Council of Canada	<b>(71)</b> Neurent Medical Limited	<b>(31)</b> 20156088.5	<b>(32)</b> 07.02.20	<b>(33)</b> EP
<b>(11)</b> AU-A-2021217576	<b>(11)</b> AU-A-2019398735	<b>(43)</b> 12.08.2021		
<b>(21)</b> 2021217576	<b>(21)</b> 2019398735	<b>(72)</b> KHALDI, Nora; LOPEZ, Cyril		
<b>(22)</b> 08.02.2021	<b>(22)</b> 06.12.2019	<b>(74)</b> Madderns Pty Ltd		
<b>(54)</b> Microfluidic device with interface pinning reaction vessels within a flow-through chamber, kit for forming, and use of same	<b>(54)</b> Systems and methods for therapeutic nasal neuromodulation			
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			
<b>G01N 33/53</b> ( 2006.01 )	<b>A61B 18/14</b> ( 2006.01 )			
<b>B81B 7/00</b> ( 2006.01 )	<b>A61B 17/00</b> ( 2006.01 )			
<b>G01N 1/00</b> ( 2006.01 )	<b>A61B 18/00</b> ( 2006.01 )			
<b>G01N 21/01</b> ( 2006.01 )	<b>A61B 18/12</b> ( 2006.01 )			
<b>(87)</b> WO2021/156844	<b>(87)</b> WO2020/121053	<b>(71)</b> Nzumbe, Inc.		
<b>(31)</b> 62/971,539	<b>(31)</b> 62/832,928	<b>(11)</b> AU-A-2021207992		
<b>(32)</b> 07.02.20	<b>(32)</b> 12.04.19	<b>(21)</b> 2021207992	<b>(22)</b> 15.01.2021	
<b>(33)</b> US	<b>(33)</b> US	<b>(54)</b> Induction of DNA strand breaks at chromatin targets		
	62/832,917	<b>(51)</b> Int. Cl.		
	62/832,920			
	62/832,927			
	62/832,925			

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

- C12N 9/22** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**(87)** WO2021/146622  
**(31)** 62/962,766 **(32)** 17.01.20 **(33)** US  
**(43)** 22.07.2021  
**(72)** ROUNTREE, Michael Rodney;  
 STAFFORD, James M.  
**(74)** Cooper IP Pty Ltd
- 
- (71)** Ocado Innovation Limited  
**(11)** AU-A-2021210161  
**(21)** 2021210161 **(22)** 22.01.2021  
**(54)** Stability of a load handling device in a storage system  
**(51)** Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**(87)** WO2021/148612  
**(31)** 2001012.0 **(32)** 24.01.20 **(33)** GB  
 2003101.9 04.03.20 GB  
 2017257.3 30.10.20 GB  
**(43)** 29.07.2021  
**(72)** HAVEL, Marek; HARMAN, Matthew;  
 ELLAHI, Hamza; KHOSROSHAHLI,  
 Negar  
**(74)** James & Wells Intellectual Property
- 
- (71)** Ocado Innovation Limited  
**(11)** AU-A-2021210170  
**(21)** 2021210170 **(22)** 22.01.2021  
**(54)** Raising and lowering containers  
**(51)** Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**(87)** WO2021/148657  
**(31)** 2001012.0 **(32)** 24.01.20 **(33)** GB  
 2003101.9 04.03.20 GB  
**(43)** 29.07.2021  
**(72)** BENFOLD, James; POPA, Daniel;  
 HARMAN, Matthew; PILLAI, Vipin;  
 WHELAN, Matthew; JOHANNISSON,  
 Wilhelm; HARRISON, Liam  
**(74)** James & Wells Intellectual Property
- 
- (71)** Ocado Innovation Limited  
**(11)** AU-A-2021210621  
**(21)** 2021210621 **(22)** 22.01.2021  
**(54)** Rechargeable power source for a load handling device  
**(51)** Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**(87)** WO2021/148609  
**(31)** 2001012.0 **(32)** 24.01.20 **(33)** GB  
 2003101.9 04.03.20 GB  
 2017241.7 30.10.20 GB  
**(43)** 29.07.2021  
**(72)** CORSER, Philip; FLYNN, Damian  
**(74)** James & Wells Intellectual Property
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- (71)** Ohio State Innovation Foundation  
**(11)** AU-A-2020428114  
**(21)** 2020428114 **(22)** 10.09.2020  
**(54)** Chemical looping systems with at least two particle types  
**(51)** Int. Cl.  
**F23C 10/04** ( 2006.01 )  
**F23C 13/08** ( 2006.01 )  
**F23C 99/00** ( 2006.01 )
- 
- (87)** WO2021/162751  
**(31)** 62/976,908 **(32)** 14.02.20 **(33)** US  
**(43)** 19.08.2021  
**(72)** FAN, Liang-Shih; KONG, Fanhe;  
 SHAH, Vedant  
**(74)** Griffith Hack
- 
- (71)** OJO Labs, Inc.  
**(11)** AU-A-2021411330  
**(21)** 2021411330 **(22)** 07.04.2021  
**(54)** Dynamic subsystem operational sequencing to concurrently control and distribute supervised learning processor training and provide predictive responses to input data  
**(51)** Int. Cl.  
**G06N 3/04** ( 2006.01 )  
**G06N 3/08** ( 2006.01 )  
**G06N 5/04** ( 2006.01 )  
**G06N 3/063** ( 2006.01 )  
**G06N 5/02** ( 2006.01 )  
**(87)** WO2022/146467  
**(31)** 63/133,559 **(32)** 04.01.21 **(33)** US  
 17/222,552 05.04.21 US  
**(43)** 07.07.2022  
**(72)** LEVY, Joshua Howard; LEGAULT, Jacy  
 Myles; CZECHOWSKI, Kenneth  
**(74)** James & Wells Intellectual Property
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- (71)** ONA Therapeutics S.L.  
**(11)** AU-A-2021213969  
**(21)** 2021213969 **(22)** 29.01.2021  
**(54)** Combination therapy for treatment of cancer and cancer metastasis  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**G01N 33/574** ( 2006.01 )  
**(87)** WO2021/152548  
**(31)** 20382054.3 **(32)** 30.01.20 **(33)** EP  
 62/967,875 30.01.20 US  
**(43)** 05.08.2021  
**(72)** AZNAR BENITAH, Salvador; AMEND-  
 OLA, Pier Giorgio; VANHOOREN,  
 Valerie; DE FRIAS SANCHEZ, Mercè;  
 MORANCHO ARMISEN, Beatriz  
**(74)** Spruson & Ferguson
- 
- (71)** Oncohost Ltd.  
**(11)** AU-A-2021217241  
**(21)** 2021217241 **(22)** 07.02.2021  
**(54)** Machine learning prediction of therapy response  
**(51)** Int. Cl.  
**G16B 40/00** ( 2019.01 )  
**G16B 25/00** ( 2019.01 )  
**G16B 50/00** ( 2019.01 )  
**(87)** WO2021/156875  
**(31)** 62/971,065 **(32)** 06.02.20 **(33)** US  
 63/022,736 11.05.20 US  
 63/089,304 08.10.20 US  
**(43)** 12.08.2021  
**(72)** ISSLER, Eran; HAREL, Michal; LAHAV,  
 Coren; JACOB, Eyal; SELA, Itamar  
**(74)** Collison & Co
- 
- (71)** Oncternal Therapeutics, Inc.  
**(11)** AU-A-2021214581  
**(21)** 2021214581 **(22)** 29.01.2021  
**(54)** Combinations of EGFR inhibitors and ROR1 inhibitors for the treatment of cancer  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2021/155180  
**(31)** 62/968,121 **(32)** 30.01.20 **(33)** US  
 63/011,036 16.04.20 US  
**(43)** 05.08.2021  
**(72)** KAUFMANN, Gunnar  
**(74)** FB Rice Pty Ltd
- 
- (71)** Onecuregen Co., Ltd.  
**(11)** AU-A-2020424661  
**(21)** 2020424661 **(22)** 16.11.2020  
**(54)** Disubstituted adamantyl derivative or pharmaceutically acceptable salt thereof, and pharmaceutical composition for suppressing cancer growth comprising same as active ingredient  
**(51)** Int. Cl.  
**C07C 49/175** ( 2006.01 )  
**A61K 31/472** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 233/07** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**(87)** WO2021/149900  
**(31)** 10-2020-0009445 **(32)** 23.01.20 **(33)** KR  
**(43)** 29.07.2021  
**(72)** LEE, Kyeong; WON, Mi Sun; BAN, Hy-  
 un-Seung; KIM, Min Kyoung; KIM, Bo-  
 Kyung  
**(74)** FB Rice Pty Ltd
- 
- (71)** Ospedale San Raffaele S.r.l.; Istituto Nazionale di Genetica Molecolare - INGM  
**(11)** AU-A-2021219013  
**(21)** 2021219013 **(22)** 09.02.2021  
**(54)** Spirocyclic inhibitors of hepatitis B virus  
**(51)** Int. Cl.  
**C07D 515/20** ( 2006.01 )  
**A61K 31/554** ( 2006.01 )  
**A61P 31/20** ( 2006.01 )  
**(87)** WO2021/160617  
**(31)** 20156716.1 **(32)** 11.02.20 **(33)** EP  
 20201798.4 14.10.20 EP  
**(43)** 19.08.2021  
**(72)** DI FABIO, Romano; SUMMA, Vin-  
 cenzo; BENCHEVA, Leda Ivanova;  
 DE FRANCESCO, Raffaele; DON-  
 NICI, Lorena; GUIDOTTI, Luca; IAN-  
 NACONE, Matteo; PRANDI, Adolfo;  
 DE MATTEO, Marilena; RANDAZZO,  
 Pietro  
**(74)** FB Rice Pty Ltd
- 
- (71)** Other Lab, LLC  
**(11)** AU-A-2021208487  
**(21)** 2021208487 **(22)** 13.01.2021  
**(54)** Thermal storage system and method  
**(51)** Int. Cl.  
**F24D 15/02** ( 2006.01 )  
**F24D 3/12** ( 2006.01 )  
**F24D 11/02** ( 2006.01 )

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

- F24F 3/08** ( 2006.01 )  
**F24H 4/04** ( 2006.01 )  
**(87)** WO2021/146337  
**(31)** 62/960,302 **(32)** 13.01.20 **(33)** US  
**(43)** 22.07.2021  
**(72)** PANDA, Pushan; GRIFFITH, Saul  
 Thomas; PIERCY, Brenton; VON  
 CLEMM, Hans; HUANG, Joanne  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Owens-Brockway Glass Container Inc.  
**(11)** AU-A-2021218407  
**(21)** 2021218407 **(22)** 11.02.2021  
**(54)** Glass redox control in submerged combustion melting  
**(51)** Int. Cl.  
**C03B 5/235** ( 2006.01 )  
**C03B 5/24** ( 2006.01 )  
**C03C 1/00** ( 2006.01 )  
**C03C 3/087** ( 2006.01 )  
**(87)** WO2021/163321  
**(31)** 16/788,635 **(32)** 12.02.20 **(33)** US  
**(43)** 19.08.2021  
**(72)** VEMPATI, Udaya; PINC, William  
**(74)** Spruson & Ferguson
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- (71)** Owens-Brockway Glass Container Inc.  
**(11)** AU-A-2021220193  
**(21)** 2021220193 **(22)** 11.02.2021  
**(54)** Feed material for producing colorless glass using submerged combustion melting  
**(51)** Int. Cl.  
**C03B 5/235** ( 2006.01 )  
**C03C 1/00** ( 2006.01 )  
**C03C 3/087** ( 2006.01 )  
**C03C 4/00** ( 2006.01 )  
**(87)** WO2021/163271  
**(31)** 16/788,631 **(32)** 12.02.20 **(33)** US  
**(43)** 19.08.2021  
**(72)** VEMPATI, Udaya; PINC, William  
**(74)** Spruson & Ferguson
- 
- (71)** Owens-Brockway Glass Container Inc.  
**(11)** AU-A-2021220198  
**(21)** 2021220198 **(22)** 11.02.2021  
**(54)** Producing colorless glass using submerged combustion melting  
**(51)** Int. Cl.  
**C03B 5/235** ( 2006.01 )  
**C03B 5/24** ( 2006.01 )  
**C03B 9/13** ( 2006.01 )  
**C03C 3/087** ( 2006.01 )  
**C03C 4/00** ( 2006.01 )  
**(87)** WO2021/163316  
**(31)** 16/788,609 **(32)** 12.02.20 **(33)** US  
**(43)** 19.08.2021  
**(72)** RASHLEY, Shane; VEMPATI, Udaya;  
 PINC, William  
**(74)** Spruson & Ferguson
- 
- (71)** Oxford University Innovation Limited  
**(11)** AU-A-2021235248  
**(21)** 2021235248 **(22)** 11.03.2021  
**(54)** Compositions and methods for inducing an immune response  
**(51)** Int. Cl.
- A61K 39/12** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(87)** WO2021/181100  
**(31)** 2003670.3 **(32)** 13.03.20 **(33)** GB  
 2006608.0 05.05.20 GB  
 2007062.9 13.05.20 GB  
 2009239.1 17.06.20 GB  
 2010569.8 09.07.20 GB  
 2016922.3 26.10.20 GB  
 2017284.7 30.10.20 GB  
 2017677.2 09.11.20 GB  
 2018410.7 23.11.20 GB  
 2018718.3 27.11.20 GB  
 2100034.4 04.01.21 GB  
**(43)** 16.09.2021  
**(72)** GILBERT, Sarah C.; LAMBE, Teresa;  
 SEBASTIAN, Sarah  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** Packaged Dangerous Goods Guide Pty Ltd  
**(11)** AU-A-2020428126  
**(21)** 2020428126 **(22)** 09.04.2020  
**(54)** System and method for managing packaged dangerous goods transport compliance  
**(51)** Int. Cl.  
**G06Q 10/08** ( 2012.01 )  
**G06Q 10/06** ( 2012.01 )  
**G06Q 50/28** ( 2012.01 )  
**(87)** WO2021/159163  
**(31)** 2020900427 **(32)** 14.02.20 **(33)** AU  
**(43)** 19.08.2021  
**(72)** O'BRIEN, Amanda; O'BRIEN, John  
**(74)** Murray Trento & Associates Pty Ltd
- 
- (71)** Paige.AI, Inc.  
**(11)** AU-A-2021213131  
**(21)** 2021213131 **(22)** 27.01.2021  
**(54)** Systems and methods for processing electronic images for biomarker localization  
**(51)** Int. Cl.  
**G16H 30/40** ( 2018.01 )  
**G16H 20/10** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
**(87)** WO2021/154878  
**(31)** 62/966,723 **(32)** 28.01.20 **(33)** US  
**(43)** 05.08.2021  
**(72)** DOGDAS, Belma; KANAN, Christopher;  
 FUCHS, Thomas; GRADY, Leo  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Peiretti, E.; Peiretti, R.; Carboni, M.  
**(11)** AU-A-2020428402  
**(21)** 2020428402 **(22)** 13.02.2020  
**(54)** Sterility headset device for surgical and para-surgical procedures  
**(51)** Int. Cl.  
**A61B 90/40** ( 2016.01 )  
**A61B 46/20** ( 2016.01 )  
**(87)** WO2021/161070  
**(43)** 19.08.2021  
**(72)** PEIRETTI, Enrico; PEIRETTI, Ranieri;  
 CARBONI, Maria Giuseppina  
**(74)** Patent Attorney Services
- 
- (71)** Pelleton Global Renewables Ltd.; Alldorf, H.; Sutcliffe, M.  
**(11)** AU-A-2021219562  
**(21)** 2021219562 **(22)** 12.02.2021  
**(54)** Absorbent material  
**(51)** Int. Cl.  
**B01J 20/24** ( 2006.01 )  
**(87)** WO2021/162559  
**(31)** 2020900430 **(32)** 14.02.20 **(33)** AU  
**(43)** 19.08.2021  
**(72)** ALDORF, Henry; SUTCLIFFE, Matthew  
 Leslie; WEBSTER, John  
**(74)** WRAYS PTY LTD
- 
- (71)** PepsiCo, Inc.  
**(11)** AU-A-2021219633  
**(21)** 2021219633 **(22)** 05.02.2021  
**(54)** Beverage dispensing nozzle  
**(51)** Int. Cl.  
**B67D 1/00** ( 2006.01 )  
**A23L 2/76** ( 2006.01 )  
**A47J 31/40** ( 2006.01 )  
**A47J 31/41** ( 2006.01 )  
**B67D 1/07** ( 2006.01 )  
**B67D 1/12** ( 2006.01 )  
**(87)** WO2021/162940  
**(31)** 16/792,016 **(32)** 14.02.20 **(33)** US  
**(43)** 19.08.2021  
**(72)** EBOIGBODIN, Evans; JERSEY, Steven  
 T.; UBIDIA, Fernando A.; STEIN, Aaron;  
 ARROYO, Jose-Luis  
**(74)** Allens Patent & Trade Mark Attorneys
- 
- (71)** Philip Morris Products S.A.  
**(11)** AU-A-2021217468  
**(21)** 2021217468 **(22)** 04.02.2021  
**(54)** Electrically operated aerosol-generating device with means for detecting an air-flow in the device  
**(51)** Int. Cl.  
**A24F 40/51** ( 2020.01 )  
**(87)** WO2021/156365  
**(31)** 20155847.5 **(32)** 06.02.20 **(33)** EP  
**(43)** 12.08.2021  
**(72)** OLIANA, Valerio  
**(74)** James & Wells Intellectual Property
- 
- (71)** Planet Protector Packaging Pty Ltd  
**(11)** AU-A-2021215809  
**(21)** 2021215809 **(22)** 04.02.2021  
**(54)** Insulated packaging for crustaceans  
**(51)** Int. Cl.  
**A01K 63/02** ( 2006.01 )  
**B65D 81/26** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
**(87)** WO2021/155433  
**(31)** 2020900324 **(32)** 06.02.20 **(33)** AU  
**(43)** 12.08.2021  
**(72)** O'FLYNN, Patrick James  
**(74)** GLMR
- 
- (71)** Platefuse, Inc.  
**(11)** AU-A-2021207633  
**(21)** 2021207633 **(22)** 13.01.2021

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

- (54) Platelet storage methods and compositions  
 (51) Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A01N 1/02** ( 2006.01 )  
**C07D 215/42** ( 2006.01 )  
 (87) WO2021/146341  
 (31) 62/961,580 (32) 15.01.20 (33) US  
 (43) 22.07.2021  
 (72) ZHENG, Yi; CANCELAS, Jose  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Principia Biopharma Inc.  
 (11) AU-A-2021205248  
 (21) 2021205248 (22) 07.01.2021  
 (54) Topical pharmaceutical compositions comprising 2-[3-[4-amino-3-(2-fluoro-4-phenoxy-phenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]piperidine-1-carbonyl]-4,4-dimethylpent-2-enenitrile  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
 (87) WO2021/142124  
 (31) 62/958,616 (32) 08.01.20 (33) US  
 63/003,536 01.04.20 US  
 (43) 15.07.2021  
 (72) CHU, Katherine; WADHWA, Jyoti; CARBOL, Jason; PHIASIVONGSA, Pasit; LANGRISH, Claire; THOMAS, Dolca  
 (74) Griffith Hack
- 
- (71) Principia Biopharma Inc.  
 (11) AU-A-2021205908  
 (21) 2021205908 (22) 07.01.2021  
 (54) Crystalline forms of 2-[3-[4-amino-3-(2-fluoro-4-phenoxy-phenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]piperidine-1-carbonyl]-4,4-dimethylpent-2-enenitrile  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/535** ( 2006.01 )  
**A61P 17/02** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2021/142131  
 (31) 62/958,389 (32) 08.01.20 (33) US  
 (43) 15.07.2021  
 (72) PHIASIVONGSA, Pasit; ZHU, Jiang; BY, Kolbot; MASJEDIZADEH, Mohammad  
 (74) Griffith Hack
- 
- (71) Principia Biopharma Inc.  
 (11) AU-A-2021206622  
 (21) 2021206622 (22) 05.01.2021  
 (54) Treatment of membranous nephropathy, IgG4-related disease, and antiphospholipid syndrome using BTK inhibitor 2-((3R)-3-(4-amino-3-(2-fluoro-4-phenoxy-phenyl)pyrazolo[3,4-d]pyrimidin-1-yl)piperidine-1-carbonyl)-4-methyl-4-(4-(oxetan-3-yl)piperazin-1-yl)pent-2-enenitrile  
 (51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )
- 
- A61P 37/06** ( 2006.01 )  
 (87) WO2021/141919  
 (31) 62/957,724 (32) 06.01.20 (33) US  
 63/039,200 15.06.20 US  
 (43) 15.07.2021  
 (72) NUNN, Philip; LANGRISH, Claire; THOMAS, Dolca  
 (74) Griffith Hack
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- (71) Procure Technologies, Inc.  
 (11) AU-A-2021211706  
 (21) 2021211706 (22) 22.01.2021  
 (54) Computer systems and methods for navigating building information models in an augmented environment  
 (51) Int. Cl.  
**G06T 19/00** ( 2011.01 )  
**G01S 17/89** ( 2020.01 )  
**G06F 3/01** ( 2006.01 )  
**G06F 3/16** ( 2006.01 )  
**G06T 5/50** ( 2006.01 )  
**G06T 7/70** ( 2017.01 )  
**G06T 17/00** ( 2006.01 )  
**G06T 19/20** ( 2011.01 )  
 (87) WO2021/150876  
 (31) 62/964,531 (32) 22.01.20 (33) US  
 16/920,138 02.07.20 US  
 (43) 29.07.2021  
 (72) MCKEE, Kevin; HOOVER, Jon; BINDLOSS, Christopher; MCCOOL, David; CHU, Winson; MYERS, Christopher  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Production Robots Engineering Limited; Lafferty, M.  
 (11) AU-A-2021227061  
 (21) 2021227061 (22) 24.02.2021  
 (54) Realtime distribution of granular data streams on a network  
 (51) Int. Cl.  
**G06F 12/02** ( 2006.01 )  
**G06F 8/40** ( 2018.01 )  
**G06F 9/455** ( 2018.01 )  
 (87) WO2021/173006  
 (31) 62/981,476 (32) 25.02.20 (33) US  
 (43) 02.09.2021  
 (72) LAFFERTY, Martin George  
 (74) Southern Cross Intellectual Property
- 
- (71) ProtoKinetix Inc.  
 (11) AU-A-2021211397  
 (21) 2021211397 (22) 22.01.2021  
 (54) Use of anti-aging glycopeptides for inhibition of immune rejection of a graft  
 (51) Int. Cl.  
**A61K 38/14** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**C07K 9/00** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
 (87) WO2021/146812  
 (31) 62/965,289 (32) 24.01.20 (33) US  
 63/118,715 26.11.20 US  
 (43) 29.07.2021  
 (72) YOUNG, Lachlan Grant  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Pulse Grids, LLC  
 (11) AU-A-2021207874  
 (21) 2021207874 (22) 14.01.2021  
 (54) Solar powered shelter for producing and storing energy and/or water  
 (51) Int. Cl.  
**E04H 9/14** ( 2006.01 )  
 (87) WO2021/146372  
 (31) 62/961,123 (32) 14.01.20 (33) US  
 (43) 22.07.2021  
 (72) DE LUCA, Todd  
 (74) FB Rice Pty Ltd
- 
- (71) Purdue Research Foundation  
 (11) AU-A-2021226507  
 (21) 2021226507 (22) 22.02.2021  
 (54) Generating aorta-gonad-mesonephros-like hematopoietic cells from human pluripotent stem cells under a defined condition  
 (51) Int. Cl.  
**C12N 5/07** ( 2010.01 )  
**C12N 5/071** ( 2010.01 )  
**C12N 5/0735** ( 2010.01 )  
**C12N 5/078** ( 2010.01 )  
**C12N 5/0781** ( 2010.01 )  
 (87) WO2021/173458  
 (31) 62/982,992 (32) 28.02.20 (33) US  
 (43) 02.09.2021  
 (72) BAO, Xiaoping; CHANG, Yun  
 (74) Spruson & Ferguson
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thereof  
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methods of sealing gaps in dock level-  
ling systems  
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**A01M 29/30** ( 2011.01 )  
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**E03F 7/06** ( 2006.01 )  
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ods of sealing gaps in dock levelling  
systems, and methods of arranging  
seals for dock levelling systems for  
storage or transportation  
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Jared Lorne; WOOD, Michael Frank  
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*C21B 13/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*C01F 7/02* ( 2006.01 )  
*C01F 7/30* ( 2006.01 )  
*C01F 7/44* ( 2006.01 )  
*C22B 21/00* ( 2006.01 )  
*F27D 7/06* ( 2006.01 )  
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**C12N 15/113** ( 2010.01 )  
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**G02B 19/00** ( 2006.01 )  
**F21Y 105/16** ( 2016.01 )  
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 (54) Complex of 7-deacetyforskoline and PVP  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
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 (54) Composition for reinforcing function of stem cell  
 (51) Int. Cl.  
**C12N 5/0775** ( 2010.01 )  
**A61K 35/28** ( 2015.01 )  
**A61P 37/00** ( 2006.01 )  
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 (72) SONG, Sun Uk; KIM, Si Na; CHOI, Byeol  
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 (11) AU-A-2021217205

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 (54) A semiconductor structure and method for guarding a low voltage surface region from a high voltage surface region  
 (51) Int. Cl.  
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*H01L 27/02* ( 2006.01 )  
 (87) WO2021/156620  
 (31) 2001477.5 (32) 04.02.20 (33) GB  
 (43) 12.08.2021  
 (72) SUMMERLAND, David; LIGHT, Roger; KNIGHT, Luke  
 (74) Churchill Attorneys
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- (71) Selo Medical GmbH  
 (11) AU-A-2021231205  
 (21) 2021231205 (22) 03.03.2021  
 (54) Composition for use in a treatment of cervical cell abnormalities comprising selenite compound and acid  
 (51) Int. Cl.  
*A61K 31/19* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/02* ( 2006.01 )  
*A61K 9/06* ( 2006.01 )  
*A61K 9/10* ( 2006.01 )  
*A61K 9/107* ( 2006.01 )  
*A61K 9/12* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
*A61K 31/185* ( 2006.01 )  
*A61K 31/191* ( 2006.01 )  
*A61K 31/194* ( 2006.01 )  
*A61K 33/04* ( 2006.01 )  
*A61K 47/02* ( 2006.01 )  
*A61K 47/12* ( 2006.01 )  
*A61K 47/38* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
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 (72) FUCHS, Norbert  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (21) 2021206420 (22) 08.01.2021  
 (54) Anti-TIGIT antibodies and usage method  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
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 (74) Churchill Attorneys
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 (11) AU-A-2021210029  
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- (54) Anti-LAG3 monoclonal antibody, and preparation method therefor and use thereof  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
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 (74) Churchill Attorneys
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 (11) AU-A-2020467778  
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 (54) Dry ice machine for creating fog effect  
 (51) Int. Cl.  
*A63J 5/02* ( 2006.01 )  
 (87) WO2022/055505  
 (43) 17.03.2022  
 (72) LI, Hong-zhi  
 (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Shifamed Holdings, LLC  
 (11) AU-A-2021219845  
 (21) 2021219845 (22) 12.02.2021  
 (54) Shunting systems with rotation-based flow control assemblies, and associated systems and methods  
 (51) Int. Cl.  
*A61F 9/007* ( 2006.01 )  
*A61M 27/00* ( 2006.01 )  
 (87) WO2021/163566  
 (31) 62/976,890 (32) 14.02.20 (33) US  
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 (74) RnB IP Pty Ltd
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- (71) SHL Medical AG  
 (11) AU-A-2021220324  
 (21) 2021220324 (22) 11.02.2021  
 (54) Improved injection device  
 (51) Int. Cl.  
*A61M 5/20* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
 (87) WO2021/161029  
 (31) 2002075.6 (32) 14.02.20 (33) GB  
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 (74) Pearce IP Pty Ltd
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- (71) Sichuan Shunying Power Battery Materials Co., Ltd  
 (11) AU-A-2020463690  
 (21) 2020463690 (22) 10.09.2020  
 (54) Method for recycling multiple valuable metals from lateritic nickel ore and regeneration cycle of acid-alkaline double medium  
 (51) Int. Cl.  
*C22B 3/06* ( 2006.01 )  
*C22B 3/04* ( 2006.01 )  
*C22B 3/12* ( 2006.01 )  
*C22B 3/26* ( 2006.01 )  
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 (74) Armour IP
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 (54) Control platform for exchanges of energy between a plurality of energy systems, and energy exchange system  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*G06Q 50/06* ( 2012.01 )  
*H02J 3/48* ( 2006.01 )  
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 (72) DÖLLE, Oliver; NIESSEN, Stefan; SCHRECK, Sebastian; THIEM, Sebastian  
 (74) Spruson & Ferguson
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 (54) Time-domain reflectometry matrix suction sensor  
 (51) Int. Cl.  
*G01N 27/22* ( 2006.01 )  
*G01N 21/55* ( 2014.01 )  
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 (31) 16/776,342 (32) 29.01.20 (33) US  
 (43) 05.08.2021  
 (72) SKALING, Whitney  
 (74) Davies Collison Cave Pty Ltd
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- (71) Skidmore, Owings & Merrill LLP  
 (11) AU-A-2021416527  
 (21) 2021416527 (22) 30.12.2021  
 (54) Modular composite action panel and structural systems using same  
 (51) Int. Cl.  
*E04B 5/29* ( 2006.01 )  
*E04C 2/26* ( 2006.01 )  
 (87) WO2022/150224  
 (31) 17/143,543 (32) 07.01.21 (33) US  
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 (72) BESJAK, Charles; SHEN, Yunlu; STREETER, Matthew  
 (74) Dentons Patent Attorneys Australasia Limited

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<p>(71) Smiley Boom Pty Ltd                      (11) AU-A-2021215419                      (21) 2021215419 (22) 03.02.2021                      (54) A DJ booth                      (51) Int. Cl.                      G05G 1/10 ( 2006.01 )                      G06F 1/16 ( 2006.01 )                      H04H 60/04 ( 2008.01 )                      H04R 5/00 ( 2006.01 )                      (87) WO2021/155429                      (31) 2020100173 (32) 04.02.20 (33) AU                      2020903263 11.09.20 AU                      (43) 12.08.2021                      (72) RAWSON, Daniel                      (74) Adams Pluck</p>	<p>10-2021-0017731 08.02.21 KR                      (43) 19.08.2021                      (72) LEE, Ji Soo; KIM, Jong Hoon                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(43) 05.08.2021                      (72) CHOR, Jesse; CHU, Casing; MILLS, Tishan; NG, Anthony; QUARESMA, Rodrigo Paulo; YEUNG, Jonathan                      (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) Smith &amp; Nephew, Inc.; Smith &amp; Nephew Orthopaedics AG; Smith &amp; Nephew Asia Pacific Pte. Limited                      (11) AU-A-2021228690                      (21) 2021228690 (22) 26.02.2021                      (54) Methods and arrangements for external fixators                      (51) Int. Cl.                      A61B 34/10 ( 2016.01 )                      (87) WO2021/173931                      (31) 62/982,215 (32) 27.02.20 (33) US                      (43) 02.09.2021                      (72) NOBLETT, Andrew P.; MASON, Johnny R.; BELL, Paul; JANDA, Haden; STANDARD, Shawn; OLLIVERE, Benjamin                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Solid Biosciences Inc.                      (11) AU-A-2021205965                      (21) 2021205965 (22) 11.01.2021                      (54) Viral vector for combination therapy                      (51) Int. Cl.                      A61K 48/00 ( 2006.01 )                      (87) WO2021/142447                      (31) 62/962,306 (32) 17.01.20 (33) US                      62/959,256 10.01.20 US                      (43) 15.07.2021                      (72) OZSOLAK, Fatih; REYES, Eric; SOUSTEK-KRAMER, Meghan S.; MANDAVA, Sarath Chandra; SCHNEIDER, Joel                      (74) FB Rice Pty Ltd</p>	<p>(71) Stamm Vegh Corporation                      (11) AU-A-2021216914                      (21) 2021216914 (22) 02.02.2021                      (54) Platform, systems, and devices for 3D printing                      (51) Int. Cl.                      B23K 26/067 ( 2006.01 )                      B23K 26/04 ( 2014.01 )                      B23K 26/06 ( 2014.01 )                      B23K 26/08 ( 2014.01 )                      (87) WO2021/158529                      (31) 62/969,434 (32) 03.02.20 (33) US                      63/010,405 15.04.20 US                      (43) 12.08.2021                      (72) LLAMAZARES, Juan Francisco; CAMPANELLI, Ignacio Hector; CORTI, Gaston Oscar; HOSS, Emiliano                      (74) FB Rice Pty Ltd</p>
<p>(71) Snap-on Incorporated                      (11) AU-A-2020427556                      (21) 2020427556 (22) 12.11.2020                      (54) Method and system for test driving mobile machine                      (51) Int. Cl.                      G07C 5/08 ( 2006.01 )                      G05B 19/42 ( 2006.01 )                      G07C 5/00 ( 2006.01 )                      (87) WO2021/158271                      (31) 16/785,585 (32) 08.02.20 (33) US                      (43) 12.08.2021                      (72) MERG, Patrick S.; BROZOVICH, Roy S.; GRAMMATICO, Joseph R.; FOREMAN, Jacob G.; CACABELOS, Kahlil H.; KELLEY, Brett A.; COVINGTON, Joshua C.                      (74) Spruson &amp; Ferguson</p>	<p>(71) SomaLogic Operating Co., Inc.                      (11) AU-A-2021220787                      (21) 2021220787 (22) 09.02.2021                      (54) Nonalcoholic steatohepatitis (NASH) biomarkers and uses thereof                      (51) Int. Cl.                      G01N 33/68 ( 2006.01 )                      (87) WO2021/163034                      (31) 62/972,418 (32) 10.02.20 (33) US                      (43) 19.08.2021                      (72) ALEXANDER, Leigh; OSTROFF, Rachel; FIELD, Stuart                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Stasher, Inc.                      (11) AU-A-2021217686                      (21) 2021217686 (22) 08.02.2021                      (54) Shaped elastomeric container with integrated leak resistant seal and pressure shield                      (51) Int. Cl.                      B65D 33/25 ( 2006.01 )                      B65D 75/22 ( 2006.01 )                      B65D 75/32 ( 2006.01 )                      (87) WO2021/159067                      (31) 16/783,318 (32) 06.02.20 (33) US                      16/945,703 31.07.20 US                      (43) 12.08.2021                      (72) MAGUIRE, Paul; NOURI, Katousha Ghaemi; CARPINELLI, Angelo; AU, Bryan Kin Fo                      (74) GLMR</p>
<p>(71) Sodacrew Inc.                      (11) AU-A-2021219223                      (21) 2021219223 (22) 09.02.2021                      (54) System and method for providing gifting service between countries                      (51) Int. Cl.                      G06Q 30/06 ( 2012.01 )                      G06Q 20/14 ( 2012.01 )                      G06Q 20/16 ( 2012.01 )                      G06Q 40/04 ( 2012.01 )                      G06Q 50/30 ( 2012.01 )                      (87) WO2021/162411                      (31) 10-2020-0017848 (32) 13.02.20 (33) KR</p>	<p>(71) Spiber Inc.                      (11) AU-A-2021212541                      (21) 2021212541 (22) 29.01.2021                      (54) Meat substitute composition                      (51) Int. Cl.                      A23J 3/00 ( 2006.01 )                      A23J 3/14 ( 2006.01 )                      A23J 3/22 ( 2006.01 )                      A23L 13/00 ( 2016.01 )                      C07K 14/00 ( 2006.01 )                      C07K 14/415 ( 2006.01 )                      C07K 14/435 ( 2006.01 )                      (87) WO2021/153779                      (31) 2020-015507 (32) 31.01.20 (33) JP                      2020-126672 27.07.20 JP                      (43) 05.08.2021                      (72) CHUANG, Yu Chun; JIANG, Li; NAIDU, Arin                      (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) Strong Force TX Portfolio 2018, LLC                      (11) AU-A-2021216391                      (21) 2021216391 (22) 03.02.2021                      (54) Artificial intelligence selection and configuration                      (51) Int. Cl.                      G06N 20/00 ( 2019.01 )                      G06N 99/00 ( 2019.01 )                      (87) WO2021/158702                      (31) 16/780,519 (32) 03.02.20 (33) US                      62/994,581 25.03.20 US                      63/069,542 24.08.20 US                      63/127,980 18.12.20 US                      (43) 12.08.2021                      (72) CELLA, Charles Howard; EL-TAHRY, Teymour S.; PARENTI, Jenna Lynn; CHARON, Taylor D.                      (74) Ellis Terry</p>
<p>(71) Splunk Inc.                      (11) AU-A-2021214781                      (21) 2021214781 (22) 29.01.2021                      (54) Sensor data device                      (51) Int. Cl.                      H04L 65/40 ( 2022.01 )                      H04W 4/38 ( 2018.01 )                      H04W 4/70 ( 2018.01 )                      (87) WO2021/155260                      (31) 62/968,942 (32) 31.01.20 (33) US                      63/059,064 30.07.20 US                      17/161,656 28.01.21 US</p>	<p>(71) Stryker Corporation                      (11) AU-A-2021209063                      (21) 2021209063 (22) 13.01.2021</p>	

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- (54) System for monitoring offset during navigation-assisted surgery
- (51) Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 34/00** ( 2016.01 )  
**A61B 34/10** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )
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- (43) 22.07.2021
- (72) WALEN, James G.; BOLTHOUSE, Zachary
- (74) Davies Collison Cave Pty Ltd
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- (71) Sumitomo Metal Mining Co., Ltd.
- (11) AU-A-2021222916
- (21) 2021222916 (22) 08.01.2021
- (54) Lithium hydroxide production method
- (51) Int. Cl.  
**C01D 15/02** ( 2006.01 )  
**B01D 61/42** ( 2006.01 )  
**C01D 15/04** ( 2006.01 )  
**C25B 1/16** ( 2006.01 )  
**H01M 4/505** ( 2010.01 )
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- (31) 2020-024294 (32) 17.02.20 (33) JP
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- (74) Davies Collison Cave Pty Ltd
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- (71) Surrozen Operating, Inc.
- (11) AU-A-2021227662
- (21) 2021227662 (22) 24.02.2021
- (54) WNT super agonists
- (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )
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- (43) 02.09.2021
- (72) LI, Yang
- (74) Davies Collison Cave Pty Ltd
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- (71) Sustainable Beverage Technologies Inc.
- (11) AU-A-2021206264
- (21) 2021206264 (22) 08.01.2021
- (54) Systems and methods for metering, mixing, and dispensing liquids, including alcoholic and non-alcoholic beverages
- (51) Int. Cl.  
**B67D 1/06** ( 2006.01 )  
**B67D 1/08** ( 2006.01 )  
**F25C 5/00** ( 2018.01 )
- (87) WO2021/142324
- (31) 62/959,071 (32) 09.01.20 (33) US
- (43) 15.07.2021
- (72) TATERA, Patrick J.; BROH, Raphael
- (74) FB Rice Pty Ltd
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- (71) Synlogic Operating Company, Inc.
- (11) AU-A-2021240078
- (21) 2021240078 (22) 18.03.2021
- (54) Microorganisms engineered to reduce hyperphenylalaninemia
- (51) Int. Cl.  
**C12N 9/88** ( 2006.01 )  
**A61K 35/74** ( 2015.01 )  
**C12N 1/21** ( 2006.01 )  
**C12R 1/19** ( 2006.01 )
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- (31) 62/992,637 (32) 20.03.20 (33) US  
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- (43) 23.09.2021
- (72) ADOLFSEN, Kristin; GREISEN, Per; CALLIHAN, Isolde; LAWRENCE, Adam; SPOONAMORE, James; KONIECZKA, Jay
- (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) Takazono Corporation
- (11) AU-A-2021259994
- (21) 2021259994 (22) 20.04.2021
- (54) Winding body, core for winding body, combination of winding body and support shaft, and combination of winding body and drug packaging device
- (51) Int. Cl.  
**B65H 16/04** ( 2006.01 )  
**B65B 1/30** ( 2006.01 )  
**B65B 41/12** ( 2006.01 )
- (87) WO2021/215415
- (31) 2020-077411 (32) 24.04.20 (33) JP  
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- (72) MATSUHISA, Yoshiki; MICHIHATA, Yoshiyuki; YOSHIMURA, Tomohiro; IWASAKI, Shinji; NAKAMURA, Akihiro
- (74) FB Rice Pty Ltd
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- (71) Takeda Pharmaceutical Company Limited
- (11) AU-A-2021216945
- (21) 2021216945 (22) 04.02.2021
- (54) Treatment of menorrhagia in patients with severe von Willebrand Disease by administration of recombinant VWF
- (51) Int. Cl.  
**A61K 38/36** ( 2006.01 )  
**A61P 7/04** ( 2006.01 )
- (87) WO2021/158777
- (31) 62/969,998 (32) 04.02.20 (33) US
- (43) 12.08.2021
- (72) PLODER, Bettina; TRUONG-BERTHOZ, Françoise
- (74) WRAYS PTY LTD
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- (71) Technische Universität München
- (11) AU-A-2021229560
- (21) 2021229560 (22) 23.02.2021
- (54) Preparation for magnetizing kidney stones and kidney stone fragments and kit for removing kidney stones and kidney stone fragments
- (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )
- A61K 9/08** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 33/00** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )
- (87) WO2021/175660
- (31) 20160490.7 (32) 02.03.20 (33) EP
- (43) 10.09.2021
- (72) SCHWAMINGER, Sebastian Patrick; SRINIVASAN, Shyam; SOLVIE, Laura Annabelle; TOLOZA, Camilo; WENGLER, Michael
- (74) Argon IP Advisory Pty Ltd
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- (71) Tempus Labs, Inc.
- (11) AU-A-2021224670
- (21) 2021224670 (22) 18.02.2021
- (54) Methods and systems for a liquid biopsy assay
- (51) Int. Cl.  
**G16B 20/10** ( 2019.01 )
- (87) WO2021/168146
- (31) 63/041,424 (32) 19.06.20 (33) US  
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- (43) 26.08.2021
- (72) TELL, Robert; ZHU, Wei; FINKLE, Justin David; LO, Christine; DRIESSEN, Terri M.
- (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Teva Pharmaceuticals International GmbH
- (11) AU-A-2021220207
- (21) 2021220207 (22) 12.02.2021
- (54) Solid state forms of Avasopasem manganese and process for preparation thereof
- (51) Int. Cl.  
**C07F 13/00** ( 2006.01 )  
**A61K 31/555** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
- (87) WO2021/163397
- (31) 202011006283 (32) 13.02.20 (33) IN  
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- (43) 19.08.2021
- (72) MUTHUSAMY, Anantha Rajmohan; SINGH, Amit; WAGH, Yogesh Dhananjay
- (74) Spruson & Ferguson
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- (71) TexaRoba Technology Inc.
- (11) AU-A-2021216471
- (21) 2021216471 (22) 05.02.2021
- (54) Robotic lawn mower of non-traditional cutter
- (51) Int. Cl.  
**A01D 34/416** ( 2006.01 )  
**A01D 34/412** ( 2006.01 )  
**A01D 34/63** ( 2006.01 )  
**A01D 34/66** ( 2006.01 )  
**A01D 34/78** ( 2006.01 )  
**A01D 34/81** ( 2006.01 )
- (87) WO2021/159018
- (31) 62/971,805 (32) 07.02.20 (33) US

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(72) SONG, Jia  
(74) Adams Pluck
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- (71) The Administrators of the Tulane Educational Fund  
(11) AU-A-2021218442  
(21) 2021218442 (22) 12.02.2021  
(54) Peptide compositions and methods of use thereof  
(51) Int. Cl.  
A61K 38/12 ( 2006.01 )  
A61P 31/04 ( 2006.01 )  
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(51) Int. Cl.  
C07K 14/705 ( 2006.01 )  
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C12N 15/62 ( 2006.01 )  
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(51) Int. Cl.  
A61G 3/06 ( 2006.01 )  
A61G 3/02 ( 2006.01 )  
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(21) 2021216410 (22) 05.02.2021  
(54) Large gene vectors and delivery and uses thereof  
(51) Int. Cl.  
C12N 9/50 ( 2006.01 )  
C12N 9/52 ( 2006.01 )
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(51) Int. Cl.  
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C12N 15/70 ( 2006.01 )  
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(51) Int. Cl.  
H02J 7/00 ( 2006.01 )  
G01R 31/00 ( 2006.01 )  
G01R 31/36 ( 2020.01 )  
H02J 7/04 ( 2006.01 )  
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C12N 15/11 ( 2006.01 )  
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C12Q 1/6806 ( 2018.01 )  
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C12Q 1/6869 ( 2018.01 )  
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A61N 7/02 ( 2006.01 )  
A61B 17/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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(51) Int. Cl.  
C07K 16/30 ( 2006.01 )  
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(51) Int. Cl.  
A61K 48/00 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
C12N 9/38 ( 2006.01 )  
C12N 15/86 ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 35/12* ( 2015.01 )  
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*A61K 38/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
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 (11) AU-A-2021220957  
 (21) 2021220957 (22) 12.02.2021  
 (54) HLA class I-restricted T cell receptors against ras with G12V mutation  
 (51) Int. Cl.  
*C07K 14/725* ( 2006.01 )  
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*C07K 14/82* ( 2006.01 )  
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 (54) HLA Class I-restricted T cell receptors against RAS with G12D mutation  
 (51) Int. Cl.  
*C07K 14/725* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*C07K 14/82* ( 2006.01 )  
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 (21) 2021219772 (22) 12.02.2021
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 (51) Int. Cl.  
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*A61P 35/00* ( 2006.01 )  
*C12N 5/09* ( 2010.01 )  
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 (51) Int. Cl.  
*C25B 9/00* ( 2021.01 )  
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 (51) Int. Cl.  
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 (31) 2020-027030 (32) 20.02.20 (33) JP  
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 (72) ISEYA, Takahiro  
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 (51) Int. Cl.  
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*G02F 1/1333* ( 2006.01 )  
*G06F 3/02* ( 2006.01 )  
*G06F 3/041* ( 2006.01 )  
*H01H 13/06* ( 2006.01 )  
*H01H 13/83* ( 2006.01 )  
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 (21) 2021217315 (22) 20.01.2021  
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 (51) Int. Cl.  
*G09F 9/30* ( 2006.01 )  
*G06F 1/16* ( 2006.01 )  
*H01L 51/00* ( 2006.01 )  
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 (21) 2021228218 (22) 26.02.2021  
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 (51) Int. Cl.  
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*A61K 31/05* ( 2006.01 )  
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 (74) Adams Pluck
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 (21) 2021207461 (22) 12.01.2021  
 (54) Anti-Gal3 antibodies and methods of use  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
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 (31) 62/960,300 (32) 13.01.20 (33) US  
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 (54) Tyrosine derivatives for modulating cancer  
 (51) Int. Cl.

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**A61P 35/00** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2021216646 **(22)** 01.02.2021  
**(54)** Antibodies against KLK5  
**(51)** Int. Cl.  
**C07K 16/40** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 2001447.8 **(32)** 03.02.20 **(33)** GB  
 2008022.2 28.05.20 GB  
**(43)** 12.08.2021  
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 Charles; LEYSEN, Seppe Frans Ro-  
 man; MASON, Sean; MCMILLAN,  
 David James; NESS, Gillian Claire;  
 PENGO, Niccolo; REDHEAD, Martin  
 Anthony; TURNER, Alison; TYSON,  
 Kerry Louise  
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**(11)** AU-A-2021217523  
**(21)** 2021217523 **(22)** 01.02.2021  
**(54)** Antibodies against KLK5  
**(51)** Int. Cl.  
**C07K 16/40** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(31)** 2001447.8 **(32)** 03.02.20 **(33)** GB  
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 man; MASON, Sean; MCMILLAN,  
 David James; NESS, Gillian Claire;  
 PENGO, Niccolo; REDHEAD, Martin  
 Anthony; TURNER, Alison; TYSON,  
 Kerry Louise  
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- (71)** UCL Business Ltd  
**(11)** AU-A-2021218545  
**(21)** 2021218545 **(22)** 12.02.2021  
**(54)** Horizontal cells  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2021/161045  
**(31)** 2002073.1 **(32)** 14.02.20 **(33)** GB  
**(43)** 19.08.2021  
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 POWELL, Kate Louise  
**(74)** James & Wells Intellectual Property
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**(11)** AU-A-2020421451
- (21)** 2020421451 **(22)** 18.12.2020  
**(54)** Method for the recovery of platinum  
 group metals from catalysts comprising  
 silicon carbide  
**(51)** Int. Cl.  
**C22B 3/44** ( 2006.01 )  
**C22B 1/02** ( 2006.01 )  
**C22B 1/04** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 11/02** ( 2006.01 )  
**(87)** WO2021/140012  
**(31)** 20151085.6 **(32)** 10.01.20 **(33)** EP  
**(43)** 15.07.2021  
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**(11)** AU-A-2021216339  
**(21)** 2021216339 **(22)** 05.02.2021  
**(54)** Industrial head up display  
**(51)** Int. Cl.  
**G02B 27/01** ( 2006.01 )  
**G02B 27/00** ( 2006.01 )  
**G02B 30/52** ( 2020.01 )  
**(87)** WO2021/156678  
**(31)** 62/970,521 **(32)** 05.02.20 **(33)** US  
**(43)** 12.08.2021  
**(72)** PRIDIE, Steven William; GORDON,  
 David  
**(74)** FB Rice Pty Ltd
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- (71)** University of Washington; Vanderbilt  
 University  
**(11)** AU-A-2021218653  
**(21)** 2021218653 **(22)** 09.02.2021  
**(54)** Methods of treating and preventing en-  
 graftment arrhythmias  
**(51)** Int. Cl.  
**A61K 35/34** ( 2015.01 )  
**A61K 35/545** ( 2015.01 )  
**A61P 9/02** ( 2006.01 )  
**A61P 9/06** ( 2006.01 )  
**C12N 5/073** ( 2010.01 )  
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**(87)** WO2021/163037  
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 KAMURA, Kenta; MURRY, Charles E.  
**(74)** James & Wells Intellectual Property
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- (71)** University of Washington  
**(11)** AU-A-2021220958  
**(21)** 2021220958 **(22)** 12.02.2021  
**(54)** Polypeptides and their use  
**(51)** Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**G16B 15/00** ( 2019.01 )  
**(87)** WO2021/163481  
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 Jing Yang; FIALA, Brooke; VEESLER,  
 David; WALLS, Alexandra C.; NATTER-  
 MANN, Una  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** University of Washington  
**(11)** AU-A-2021221139  
**(21)** 2021221139 **(22)** 12.02.2021  
**(54)** Polypeptides, compositions, and their  
 use to treat or limit development of an  
 infection  
**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**(87)** WO2021/163438  
**(31)** 63/064,235 **(32)** 11.08.20 **(33)** US  
 63/046,159 30.06.20 US  
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**(43)** 19.08.2021  
**(72)** KING, Neil P.; VEESLER, David;  
 WALKEY, Carl; WALLS, Alexandra C.;  
 WANG, Jing Yang  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** UPL Limited  
**(11)** AU-A-2021212795  
**(21)** 2021212795 **(22)** 25.01.2021  
**(54)** A continuous flow process for prepara-  
 tion of acephate and its intermediates  
**(51)** Int. Cl.  
**C07F 9/02** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**(87)** WO2021/152443  
**(31)** 202021004454 **(32)** 31.01.20 **(33)** IN  
**(43)** 05.08.2021  
**(72)** KINI, Prashant Vasant; ROY SARKAR,  
 Supratim  
**(74)** Churchill Attorneys
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- (71)** Upside Foods, Inc.  
**(11)** AU-A-2021217379  
**(21)** 2021217379 **(22)** 04.02.2021  
**(54)** Characteristics of meat products  
**(51)** Int. Cl.  
**C12N 5/071** ( 2010.01 )  
**A23J 1/00** ( 2006.01 )  
**A23L 13/30** ( 2016.01 )  
**A23L 35/00** ( 2016.01 )  
**C12N 5/00** ( 2006.01 )  
**C12N 5/077** ( 2010.01 )  
**(87)** WO2021/158831  
**(31)** 62/970,109 **(32)** 04.02.20 **(33)** US  
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 gan Laurence; JUHAS, Mark E.;  
 JOSLIN, Jessica M.; VALETI, Uma S.;  
 SCHULZE, Eric N.  
**(74)** AJ PARK
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- (71)** Vanderbilt University  
**(11)** AU-A-2021220847  
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- (51) Int. Cl.  
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**A61K 39/00** ( 2006.01 )
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- (43) 19.08.2021
- (72) CROWE, James E.; ZOST, Seth; CAR-NAHAN, Robert; GILCHUK, Pavlo
- (74) Davies Collison Cave Pty Ltd
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- (71) Van Hessen Holding B.V.
- (11) AU-A-2021216189
- (21) 2021216189 (22) 04.02.2021
- (54) Device and method for separating tis-  
 sue from an intestine
- (51) Int. Cl.  
**A22B 5/00** ( 2006.01 )  
**A22B 5/08** ( 2006.01 )  
**A22B 5/10** ( 2006.01 )  
**A22C 17/14** ( 2006.01 )  
**A22C 17/16** ( 2006.01 )
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- (31) 2024837 (32) 05.02.20 (33) NL  
 (43) 12.08.2021
- (72) DE WINTER, Thomas Jozef S.; DE  
 WINTER, Frederik Marcel D.; SMITS,  
 Jürgen Johannes Antonius Thomas
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Verge Analytics, Inc.
- (11) AU-A-2021207804
- (21) 2021207804 (22) 12.01.2021
- (54) Substituted pyrazolo-pyrimidines and  
 uses thereof
- (51) Int. Cl.  
**A61P 3/00** ( 2006.01 )  
**A61K 31/4162** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
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- (11) AU-A-2021213758
- (21) 2021213758 (22) 28.01.2021
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**C07D 209/12** ( 2006.01 )  
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 OLAS, Olivier; SAYEGH, Camil E.;  
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- (21) 2021213791 (22) 29.01.2021
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- (21) 2021216538 (22) 11.01.2021
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**B01D 61/02** ( 2006.01 )  
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**C02F 1/26** ( 2006.01 )
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 men University
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pany of the Hebrew University of Jerus-  
alem Ltd.  
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(21) 2021211230 (22) 20.01.2021  
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media  
(51) Int. Cl.  
*C12N 5/00* ( 2006.01 )  
*A23L 13/00* ( 2016.01 )  
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(21) 2020423263 (22) 18.12.2020  
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method for high-speed land vehicles, in  
a forced vacuum  
(51) Int. Cl.  
*B61B 13/10* ( 2006.01 )  
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*B60L 13/10* ( 2006.01 )  
*B61B 13/08* ( 2006.01 )  
*B61B 13/12* ( 2006.01 )  
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(31) P202030013 (32) 13.01.20 (33) ES  
(43) 22.07.2021  
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ORIENT MARTÍN, Daniel; PISTONI  
PÉREZ, David; SÁNCHEZ JIMÉNEZ,  
Alberto; VICÉN BALAGUER, Juan  
(74) Griffith Hack
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- (71) Zhuhai United Laboratories Co., Ltd.  
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plication thereof  
(51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
*C07D 487/00* ( 2006.01 )  
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<b>2019397226</b>	Xinte Energy Co., Ltd.; Xinjiang Jingshuo New Materials Co., Ltd.	<b>2021206679</b>	Cipher Skin
<b>2019398735</b>	Neurent Medical Limited	<b>2021206752</b>	Fundamenta Therapeutics Inc.
<b>2020360701</b>	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	<b>2021207019</b>	Keio University; JSR Corporation
<b>2020365352</b>	Illumina, Inc.; Illumina Singapore Pte. Ltd.; Illumina Cambridge Limited	<b>2021207110</b>	Schneider Electric Industries SAS
<b>2020395266</b>	ZTE Corporation	<b>2021207263</b>	QinetiQ Limited
<b>2020417293</b>	Berg LLC	<b>2021207347</b>	BWXT Medical Ltd.
<b>2020418397</b>	Dharmatilleke, M.; Dharmatilleke, N.	<b>2021207357</b>	Klarna Bank AB
<b>2020420236</b>	Riken; Fushimi Pharmaceutical Co., Ltd.	<b>2021207374</b>	Indena S.p.A.
<b>2020420368</b>	SCM Lifescience Co., Ltd.	<b>2021207461</b>	TrueBinding, Inc.
<b>2020421371</b>	Anvy Technologies Inc.	<b>2021207471</b>	Masimo Corporation
<b>2020421451</b>	Umicore	<b>2021207583</b>	Kindeva Drug Delivery L.P.
<b>2020423028</b>	Assa Abloy Entrance Systems AB	<b>2021207626</b>	Impel NeuroPharma, Inc.
<b>2020423124</b>	Microsoft Technology Licensing, LLC	<b>2021207633</b>	Platefuse, Inc.
<b>2020423263</b>	Zeleros Global, S.L.	<b>2021207644</b>	John Mezzalingua Associates, LLC
<b>2020424397</b>	L&K Biomed Co., Ltd.	<b>2021207666</b>	Tyme, Inc.
<b>2020424661</b>	Onecuregen Co., Ltd.	<b>2021207687</b>	Acentium Inc.
<b>2020425301</b>	Kimberly-Clark Worldwide, Inc.	<b>2021207690</b>	Absci Corporation
<b>2020426347</b>	Skaling, W.	<b>2021207732</b>	Rio Tinto Alcan International Limited
<b>2020426496</b>	Chon, U.	<b>2021207765</b>	Adama Agan Ltd.
<b>2020426728</b>	GC Corporation	<b>2021207804</b>	Verge Analytics, Inc.
<b>2020427395</b>	Globalforce IP Limited	<b>2021207874</b>	Pulse Grids, LLC
<b>2020427556</b>	Snap-on Incorporated	<b>2021207887</b>	BL Technologies, Inc.
<b>2020427693</b>	Globalforce IP Limited	<b>2021207992</b>	Nzumbe, Inc.
<b>2020428114</b>	Ohio State Innovation Foundation	<b>2021208025</b>	Beijing InnoCare Pharma Tech Co., Ltd.
<b>2020428126</b>	Packaged Dangerous Goods Guide Pty Ltd	<b>2021208326</b>	In Ovo Holding B.V.
<b>2020428402</b>	Peiretti, E.; Peiretti, R.; Carboni, M.	<b>2021208343</b>	CNTRL+ INC.
<b>2020428501</b>	InnoTherapy Inc.	<b>2021208369</b>	QinetiQ Limited
<b>2020428569</b>	Boston Scientific Neuromodulation Corporation	<b>2021208428</b>	Becton Dickinson France
<b>2020429468</b>	Dexcom, Inc.	<b>2021208487</b>	Other Lab, LLC
<b>2020430527</b>	Microport Navibot (Suzhou) Co., Ltd.	<b>2021208497</b>	Maco Pharma
<b>2020430828</b>	Gaikwad, N.	<b>2021208546</b>	Dark Canyon Laboratories, LLC
<b>2020431128</b>	JPMorgan Chase Bank, N.A.	<b>2021208557</b>	Quantum-Si Incorporated
<b>2020433707</b>	Siemens Aktiengesellschaft	<b>2021208693</b>	Imperial College Innovations Limited
<b>2020436274</b>	Conv Australia Holding Pty Ltd	<b>2021208696</b>	ITM Power (Trading) Limited
<b>2020436612</b>	Flash Therapeutics, LLC	<b>2021208790</b>	Xiamen Innodx Biotech Co., Ltd; Xiamen University
<b>2020437705</b>	Mitsubishi Electric Corporation	<b>2021208915</b>	AptaBio Therapeutics Inc.
<b>2020439553</b>	Tohoku Seed Co., Ltd.	<b>2021208983</b>	Rio Tinto Alcan International Limited
<b>2020455342</b>	Halliburton Energy Services, Inc.	<b>2021208999</b>	In Ovo Holding B.V.
<b>2020463690</b>	Sichuan Shunying Power Battery Materials Co., Ltd	<b>2021209000</b>	In Ovo Holding B.V.
<b>2020467778</b>	Shen Yun Collections, Inc.	<b>2021209063</b>	Stryker Corporation
<b>2020469502</b>	Qingdao CCS Electric Corporation	<b>2021209357</b>	Anka Angewandte Kaffeetechnologie GmbH
<b>2020483594</b>	Huawei Digital Power Technologies Co., Ltd.	<b>2021209613</b>	Boehringer Ingelheim Vetmedica GmbH; Westgate Bio-medical Limited
<b>2021205179</b>	LG Chem, Ltd.	<b>2021209950</b>	The Trustees of The University of Pennsylvania
<b>2021205248</b>	Principia Biopharma Inc.	<b>2021209954</b>	RetiSpec Inc.
<b>2021205346</b>	Dyne Therapeutics, Inc.	<b>2021210029</b>	Shanghai Henlius Biotech, Inc.; Shanghai Henlius Biopharmaceutical Co., Ltd.
<b>2021205440</b>	Scholar Rock, Inc.	<b>2021210061</b>	Mabwell (Shanghai) Bioscience Co., Ltd.
<b>2021205492</b>	Dyne Therapeutics, Inc.	<b>2021210124</b>	Ireliemar B.V.
<b>2021205669</b>	Blue Prism Limited	<b>2021210151</b>	Anka Angewandte Kaffeetechnologie GmbH
<b>2021205880</b>	Mercutek, LLC	<b>2021210152</b>	Gate Gourmet Switzerland GmbH
<b>2021205908</b>	Principia Biopharma Inc.	<b>2021210161</b>	Ocado Innovation Limited
<b>2021205910</b>	Regeneron Pharmaceuticals, Inc.	<b>2021210170</b>	Ocado Innovation Limited
<b>2021205929</b>	Regeneron Pharmaceuticals, Inc.	<b>2021210401</b>	Miritaur LLC
<b>2021205965</b>	Solid Biosciences Inc.	<b>2021210570</b>	MedImmune Limited
<b>2021205985</b>	Abiomed, Inc.	<b>2021210621</b>	Ocado Innovation Limited
<b>2021205989</b>	MyReplast S.r.l	<b>2021210851</b>	Revelle Aesthetics, Inc.
<b>2021206041</b>	Introfoc Ltd	<b>2021210852</b>	The Braun Corporation
<b>2021206129</b>	Depuy Synthes Products, Inc.	<b>2021210905</b>	Alkermes Pharma Ireland Limited
<b>2021206217</b>	Revolution Medicines, Inc.	<b>2021210923</b>	Enphase Energy, Inc.
<b>2021206234</b>	Dyne Therapeutics, Inc.	<b>2021211146</b>	SciPharm S.à r.l.
<b>2021206264</b>	Sustainable Beverage Technologies Inc.	<b>2021211230</b>	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.
<b>2021206267</b>	Axial Therapeutics, Inc.	<b>2021211317</b>	Nobelpharma Co., Ltd.
<b>2021206420</b>	Shanghai Henlius Biotech, Inc.	<b>2021211382</b>	Australis Aquaculture, LLC
<b>2021206441</b>	Eberlein, S.	<b>2021211397</b>	ProtoKinetix Inc.
<b>2021206535</b>	BASF SE	<b>2021211401</b>	Baker Hughes Holdings LLC
<b>2021206578</b>	Johnson Matthey Public Limited Company		

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2021211840	ASC Regeniy Ltd	2021216851	Bard Peripheral Vascular, Inc.
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2021212205	WestRock Packaging Systems, LLC	2021216945	Takeda Pharmaceutical Company Limited
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2021212795	UPL Limited	2021217052	Dow Global Technologies LLC; Rohm and Haas Company
2021212949	Sanwa Kagaku Kenkyusho Co., Ltd.; Nissan Chemical Corporation	2021217099	Airbus Defence and Space Limited
2021213057	Caterpillar Inc.	2021217205	Search For The Next Ltd
2021213129	eCombustible Energy, LLC	2021217212	Fresh Inset S.A.
2021213131	Paige.AI, Inc.	2021217223	Case Western Reserve University
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2021213168	The Regents of the University of Michigan; The United States of America as represented by the Department of Veteran Affairs	2021217241	Oncohost Ltd.
2021213459	Rentokil Initial 1927 plc	2021217265	Megmilk Snow Brand Co., Ltd.
2021213683	Aladdin Manufacturing Corporation	2021217298	Asahi Kasei Construction Materials Corporation
2021213752	Enphase Energy, Inc.	2021217315	Tovis Co., Ltd.
2021213758	Vertex Pharmaceuticals Incorporated	2021217327	Higgins Research & Development, LLC
2021213773	JPL Global, LLC	2021217378	Horizon Therapeutics Ireland DAC
2021213791	Ves, LLC	2021217379	Upside Foods, Inc.
2021213813	Schneider Electric Systems USA, Inc.	2021217391	Dupont Nutrition Biosciences ApS
2021213826	The Trustees of the University of Pennsylvania	2021217407	Westrock Packaging Systems, LLC
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2021213969	ONA Therapeutics S.L.	2021217424	Mindset Pharma Inc.
2021214350	Kumiai Chemical Industry Co., Ltd.	2021217468	Philip Morris Products S.A.
2021214397	Baker Hughes Oilfield Operations LLC	2021217523	UCB Biopharma SRL
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2021214753	Caterpillar Inc.	2021217678	Esco Group LLC
2021214781	Splunk Inc.	2021217686	Stasher, Inc.
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2021214923	Gauss Surgical, Inc.	2021217737	ISP Investments LLC.
2021215045	Advita Lifescience GmbH	2021217745	Inventio AG
2021215419	Smiley Boom Pty Ltd	2021217787	Nuritas Limited
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2021215809	Planet Protector Packaging Pty Ltd	2021218383	Celona, Inc.
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2021215886	BAM Nuttall Limited	2021218442	The Administrators of the Tulane Educational Fund
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2021216088	Alexander Binzel Schweisstechnik GmbH & Co. KG	2021218709	Garcia-Brosa, M.
2021216099	Byondis B.V.	2021218735	Cognition Therapeutics, Inc.
2021216117	ROSEN Swiss AG	2021218775	Monash University
2021216169	Inventio AG	2021218805	KSQ Therapeutics, Inc.
2021216172	Fronius International GmbH	2021218811	Beam Therapeutics Inc.
2021216189	Van Hessen Holding B.V.	2021218842	Rock Extraction Limited
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2021216347	Tovis Co., Ltd.	2021218916	BITZER K�hlmaschinenbau GmbH
2021216358	HaplScience Inc.	2021218982	BioInvent International AB; University of Southampton
2021216362	Dow Global Technologies LLC	2021218997	Bobst Mex SA
2021216366	Caterpillar Inc.	2021219013	Ospedale San Raffaele S.r.l.; Istituto Nazionale di Genetica Molecolare - INGM
2021216391	Strong Force TX Portfolio 2018, LLC	2021219021	Cheminova A/S
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2021216410	The Children's Medical Center Corporation	2021219103	Medical Microinstruments, Inc.
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2021219697	Copyright Clearance Center, Inc.	2021227116	Catexel Technologies Limited
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2021219772	Tissuetech, Inc.	2021227662	Surrozen Operating, Inc.
2021219845	Shifamed Holdings, LLC	2021227766	Isotropic Systems Ltd
2021219992	Bellus Health Cough Inc.	2021227936	Ma, J.
2021220160	Sab, LLC.	2021228218	Trait Biosciences, Inc.
2021220193	Owens-Brockway Glass Container Inc.	2021228225	Regeneron Pharmaceuticals, Inc.
2021220198	Owens-Brockway Glass Container Inc.	2021228689	Codexis, Inc.
2021220207	Teva Pharmaceuticals International GmbH	2021228690	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited
2021220228	Inventio AG		ACR III B.V.
2021220264	Arteco N.V.	2021228908	Rheem Manufacturing Company
2021220305	Rain Carbon Germany GmbH	2021229450	Technische Universität München
2021220324	SHL Medical AG	2021229560	Arkema France
2021220629	Hansa Biopharma AB	2021229632	National Health Research Institutes
2021220632	Locatelli S.p.A.	2021230288	Codex DNA, Inc.
2021220681	Arkema France	2021230464	Dana-Farber Cancer Institute, Inc.
2021220765	Alnylam Pharmaceuticals, Inc.	2021230544	Coravin, Inc.
2021220787	SomaLogic Operating Co., Inc.	2021230560	Selo Medical GmbH
2021220847	Vanderbilt University	2021231205	Lantech.com, LLC
2021220865	The Scripps Research Institute	2021231488	Dexcom, Inc.
2021220877	CytoAgents, Inc.	2021231730	Waterise AS
2021220916	Inventio AG	2021233529	The Gillette Company LLC
2021220957	The United States of America, as represented by The Secretary, Department of Health and Human Services	2021234275	Fronius International GmbH
	University of Washington	2021234990	Iteum Therapeutics International Limited
2021220958	The Johns Hopkins University	2021235058	Oxford University Innovation Limited
2021220986	Bobst Mex SA	2021235248	Amsted Rail Company, Inc.
2021221026	Bionox Inc.	2021235478	Howmet Aerospace Inc.
2021221064	Maceda, J.	2021235735	Lawrence Equipment Inc.
2021221075	The United States of America, as represented by The Secretary, Department of Health and Human Services	2021235749	Sandvik Mining and Construction Tools AB
2021221138	University of Washington	2021236344	Merck Patent GmbH; Ryvu Therapeutics S.A.
2021221139	Clean Teq Water Technology Pty Ltd	2021236869	International Business Machines Corporation
2021221192	BASF SE	2021236960	International Business Machines Corporation
2021221238	Essilor International	2021236965	International Business Machines Corporation
2021221240	Boston Scientific Scimed, Inc.	2021236966	LanzaTech, Inc.
2021221238	Gilead Sciences, Inc.	2021237249	LanzaTech, Inc.
2021221238	Lone Gull Holdings, Ltd.	2021237400	Cedars-Sinai Medical Center
2021221238	Convatec Triad Life Sciences, LLC	2021237723	Mitsubishi Heavy Industries, Ltd.
2021221238	The Regents of the University of California	2021237723	IFP Energies Nouvelles
2021221238	Dompe' farmaceutici SpA	2021238135	Arla Foods Amba
2021221238	New Frontier Labs, LLC	2021238469	Schreder S.A.
2021221238	Zhuhai United Laboratories Co., Ltd.	2021238620	FP BUSINESS INVEST
2021221238	Medela Holding AG	2021238839	Ipsen Biopharm Limited
2021221238	Alesta Therapeutics BV	2021238849	International Business Machines Corporation
2021221238	I-Sens, Inc.	2021238928	Synlogic Operating Company, Inc.
2021221238	Sumitomo Metal Mining Co., Ltd.	2021238956	International Business Machines Corporation
2021221238	FNV IP B.V.	2021240078	International Business Machines Corporation
2021221238	Rust GmbH	2021240435	Integrated DNA Technologies, Inc.; Wang, A.; Dilger, K.; Cunningham, R.
2021221238	Toppan Inc.	2021240437	Hologic, Inc.; SuperSonic Imagine
2021221238	Braskem S.A.	2021241674	Komatsu Ltd.
2021221238	Gilead Sciences, Inc.		Komatsu Ltd.
2021221238	Mitsubishi Gas Chemical Company, Inc.; Tohoku Techno Arch Co., Ltd.	2021242290	Biotest AG
2021221238	Tempus Labs, Inc.	2021242290	International Business Machines Corporation
2021221238	Beta Pharma, Inc.	2021242898	Hologic, Inc.; SuperSonic Imagine
2021221238	Board of Regents, The University of Texas System	2021243549	International Business Machines Corporation
2021221238	Armata Pharmaceuticals, Inc.	2021243734	International Business Machines Corporation
2021221238	Evapco, Inc.	2021243749	International Business Machines Corporation
2021221238	Aileens Pharma S.r.l.	2021244562	Meyer Burger (Germany) GmbH
2021221238	Air New Zealand Limited	2021244850	Schreder S.A.
2021221238	SABIC Global Technologies B.V.	2021244852	Anova Applied Electronics, Inc.
2021221238	Chong Kun Dang Pharmaceutical Corp.	2021244962	International Business Machines Corporation
2021221238	Daewoong Pharmaceutical Co., Ltd.	2021245037	LG Energy Solution, Ltd.
2021221238	Galbierz, T.; Galbierz, M.	2021245770	Tokuyama Corporation
2021221238	Purdue Research Foundation	2021246978	International Business Machines Corporation
2021221238	Casale SA	2021248343	Compagnie Generale des Etablissements Michelin
		2021249269	Autolus Limited
		2021249420	
		2021251445	
		2021253759	

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2021256776	Euromed, S.A.
2021256948	Grünenthal GmbH
2021259994	Takazono Corporation
2021263306	Hologic, Inc.
2021267471	Salesforce.com, Inc.
2021273284	AST & Science, LLC
2021279462	Lumus Ltd.
2021289697	IHI Corporation
2021298214	AudioMob Ltd
2021307471	Vortex Leisure Pty Ltd
2021333741	AudioMob Ltd
2021377723	Ecochem Australia Pty Ltd
2021411330	OJO Labs, Inc.
2021416527	Skidmore, Owings & Merrill LLP
2021418332	Adaptavate Ltd

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2021212699	2021217052		2021217327	<b><u>A61B 90 /-</u></b>	2021217424
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<b><u>A01D 34 /-</u></b>	<b><u>A01P 21 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A47K 10 /-</u></b>	2021216849 2021219103	2021219097 2021219634
2021216471	2021217212	2021209613 2021217391	2020425301	<b><u>A61F 13 /-</u></b>	2021220207 2021220765 2021220877
<b><u>A01D 78 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 13 /-</u></b>	<b><u>A61B 10 /-</u></b>	2021226356	2021221064 2021221980
2021217001	2021216362 2021223379	2021211230 2021212541 2021217379	2021208546 2021217009	<b><u>A61F 2 /-</u></b>	2021222360 2021222580 2021222686
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2021211382	2021214350	2021211382	2019398735 2020430527 2021206129 2021209063 2021210851 2021213168 2021216849 2021219103	<b><u>A61F 5 /-</u></b>	2021225683 2021225706 2021226747 2021227591 2021227936
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2020360701 2020439553	2021214350	2021217265 2021219633	2019398735	<b><u>A61F 6 /-</u></b>	2021237723 2021256948
<b><u>A01H 6 /-</u></b>	<b><u>A21C 11 /-</u></b>	<b><u>A23L 25 /-</u></b>	<b><u>A61B 3 /-</u></b>	2021208343	<b><u>A61K 33 /-</u></b>
2020439553	2021235749	2021216025	2021209954 2021216538 2021221240	<b><u>A61F 7 /-</u></b>	2021216099 2021229560 2021231205
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2021208326 2021208999 2021209000	2021235749	2021210124	2020430527 2021209063 2021216849 2021219103 2021228690	<b><u>A61F 9 /-</u></b>	2020420368 2021206752 2021207019 2021209950 2021211432 2021217265 2021218653 2021219731 2021219764 2021220986 2021224912 2021225048 2021240078
<b><u>A01K 45 /-</u></b>	<b><u>A22B 5 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A61B 46 /-</u></b>	2021216538 2021219845	<b><u>A61K 36 /-</u></b>
2021216189	2021216189	2021209613 2021210401 2021216025 2021216358 2021217265 2021238620	2020428402	<b><u>A61G 3 /-</u></b>	2021207374 2021211382 2021217737 2021227591 2021256776
2021208326 2021208999 2021209000	<b><u>A22C 17 /-</u></b>	<b><u>A23L 35 /-</u></b>	<b><u>A61B 5 /-</u></b>	2021210852	<b><u>A61K 38 /-</u></b>
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2021215809	2021217265 2021238620	<b><u>A23L 3 /-</u></b>	<b><u>A61B 5 /-</u></b>	2021238469	
<b><u>A01M 29 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A61B 6 /-</u></b>	<b><u>A61G 7 /-</u></b>	
2021213459 2021213951	2021227936	2020428402	2021207583 2021207626 2021207666 2021207804 2021208025 2021208915 2021211146 2021211317 2021212949 2021213758	<b><u>A61J 1 /-</u></b>	
<b><u>A01N 1 /-</u></b>	<b><u>A23F 5 /-</u></b>	2021209357 2021210151	<b><u>A61B 8 /-</u></b>	2021217009	
2021207633	2021209357 2021210151	<b><u>A24F 40 /-</u></b>		<b><u>A61K 31 /-</u></b>	
<b><u>A01N 25 /-</u></b>	<b><u>A23J 1 /-</u></b>	2021217468		2020417293 2020424661 2020436612 2021205179 2021205908 2021206217 2021206267 2021206622 2021207583 2021207626 2021207666 2021207804 2021208025 2021208915 2021211146 2021211317 2021212949 2021213758	
2021216362 2021217212	2021210401 2021216950 2021217379 2021238620	<b><u>A41D 1 /-</u></b>		<b><u>A61K 31 /-</u></b>	
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2021217212	2021212541 2021216950 2021238620	<b><u>A41D 13 /-</u></b>			
<b><u>A01N 37 /-</u></b>	<b><u>A23K 10 /-</u></b>	2021220632			
2021214350	2021211382 2021217265	<b><u>A42B 3 /-</u></b>	2021208546 2021242290		
<b><u>A01N 43 /-</u></b>		<b><u>A47B 77 /-</u></b>			
2021207765 2021216362		2020421371	2021242290 2021244562		

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2021216358	2021206234	<b><u>A61M 39/-</u></b>	2021215811	2021226747	<b><u>B01D 15/-</u></b>
2021216945	2021211432		2021217223	2021228225	
2021217787	2021212949	2021214751	2021217265	2021230288	2021207887
2021218442	2021213826	2021216406	2021217424	2021231205	2021221192
2021220629		2021217009	2021217624	2021236869	
2021220957	<b><u>A61K 49/-</u></b>	2021217040	2021225683		<b><u>B01D 21/-</u></b>
2021220958			2021227591	<b><u>A61P 37/-</u></b>	
2021221138	2021220160	<b><u>A61M 5/-</u></b>	2021235058		2020421371
2021228689				2020420368	<b><u>B01D 37/-</u></b>
2021230544	<b><u>A61K 51/-</u></b>	2020429468	<b><u>A61P 29/-</u></b>	2021206622	
2021253759		2021208428		2021210061	2021216011
	2021220160	2021220324	2021207019	2021211317	
<b><u>A61K 39/-</u></b>	<b><u>A61K 6/-</u></b>	<b><u>A61M 60/-</u></b>	2021210061	2021211397	<b><u>B01D 53/-</u></b>
			2021221064	2021217378	
2021205179	2020426728	2021205985	2021225683	2021219634	2021212390
2021205346			<b><u>A61P 3/-</u></b>	2021220877	2021221075
2021205440	<b><u>A61K 8/-</u></b>	<b><u>A61N 1/-</u></b>		2021225683	
2021205929			2021207804		<b><u>B01D 61/-</u></b>
2021206234	2021211840	2020428569	2021210401	<b><u>A61P 43/-</u></b>	2021222916
2021206420	2021217737		2021219634	2021207374	2021233529
2021210029	2021227936	<b><u>A61N 7/-</u></b>	2021222580	2021212949	
2021210061	2021238928			2021217624	<b><u>B01J 19/-</u></b>
2021211894		2021213168	<b><u>A61P 31/-</u></b>	2021227591	
2021213969	<b><u>A61K 9/-</u></b>				2021212795
2021215938		<b><u>A61P 1/-</u></b>	2021207019	<b><u>A61P 5/-</u></b>	2021226686
2021215999	2020428501		2021215938		
2021217624	2021205248	2021217624	2021218442	2021207019	<b><u>B01J 20/-</u></b>
2021218982	2021207583	2021219731	2021219013		
2021220160	2021207626		2021220877	<b><u>A61P 7/-</u></b>	2021205880
2021220847	2021209613	<b><u>A61P 11/-</u></b>	2021220958		2021216011
2021220958	2021211146		2021221064	2021216945	2021219562
2021220986	2021211317	2021215045	2021221980		
2021221139	2021211894	2021215938	2021224137	<b><u>A61P 9/-</u></b>	<b><u>B01J 3/-</u></b>
2021224793	2021221064	2021216358	2021224912		
2021235248	2021229560	2021217223	2021231205	2021206234	2021226686
2021243734	2021231205	2021217624	2021235058	2021217223	
	2021256948	2021220877	2021235248	2021218653	<b><u>B01J 31/-</u></b>
<b><u>A61K 45/-</u></b>		<b><u>A61P 13/-</u></b>		<b><u>A61Q 17/-</u></b>	2021227116
	<b><u>A61L 26/-</u></b>		<b><u>A61P 35/-</u></b>		
2021206217		2021213758		2021217737	<b><u>B01J 39/-</u></b>
2021206622	2021221971		2020417293		
2021216099		<b><u>A61P 15/-</u></b>	2020424661	<b><u>A61Q 19/-</u></b>	2021207887
2021217378	<b><u>A61L 27/-</u></b>		2020436612		
2021217624		2021217624	2021205179	2021211840	<b><u>B01J 41/-</u></b>
2021221064	2021222052		2021205440	2021217737	
2021222360		<b><u>A61P 17/-</u></b>	2021205908	2021238928	2021221192
2021222580	<b><u>A61M 1/-</u></b>		2021206217		
2021237723		2021205908	2021206420	<b><u>A62B 17/-</u></b>	<b><u>B01J 47/-</u></b>
	2021208497	2021207019	2021206752		
<b><u>A61K 47/-</u></b>	2021222805	2021211317	2021207019	2021206679	2021207887
		2021216646	2021207666		
2020428501	<b><u>A61M 11/-</u></b>	2021217523	2021207804	<b><u>A62C 2/-</u></b>	<b><u>B01J 49/-</u></b>
2021205248		2021219634	2021207992		
2021205492	2021215045		2021208025	2021217422	2021207887
2021206234		<b><u>A61P 19/-</u></b>	2021210029	2021248343	2021221192
2021207583	<b><u>A61M 15/-</u></b>		2021210570		
2021209613		2021205929	2021211432	<b><u>A62C 3/-</u></b>	<b><u>B01J 6/-</u></b>
2021210570	2021215045	2021222686	2021213168		
2021211146	<b><u>A61M 16/-</u></b>		2021213969	2021248343	2021207732
2021211317		<b><u>A61P 21/-</u></b>	2021215999		
2021211894	2021216827		2021216099	<b><u>A63F 13/-</u></b>	<b><u>B01L 9/-</u></b>
2021216099		2021205346	2021216646		
2021217624	<b><u>A61M 25/-</u></b>	2021206234	2021217523	2021298214	2021217675
2021228225		2021207804	2021217624	2021333741	
2021229560	2021214751		2021219334	<b><u>A63J 5/-</u></b>	<b><u>B03D 1/-</u></b>
2021231205	2021216851	<b><u>A61P 25/-</u></b>	2021219764		2021206535
2021256776			2021219772	2020467778	2021216011
2021256948	<b><u>A61M 27/-</u></b>	2021207019	2021220207		
		2021207461	2021222360	<b><u>B01D 1/-</u></b>	<b><u>B05C 17/-</u></b>
<b><u>A61K 48/-</u></b>	2021219845	2021207804	2021222818		
		2021212949	2021224793	2021256776	2021217703
2020428501		2021213826	2021225683		
2021205965		2021215709			



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2021377723	2021213773	2021206441	2021213129	2021217745	2021220198
<b><u>B22D 19 /-</u></b>	<b><u>B27G 19 /-</u></b>	<b><u>B60W 30 /-</u></b>	<b><u>B65D 33 /-</u></b>	<b><u>B66B 7 /-</u></b>	<b><u>C03C 1 /-</u></b>
2020436274	2021213773	2021215878	2021217686	2021216169	2021218407 2021220193
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2021216169	2021216169 2021218842	2020423263	2021208428	2021206264 2021219633	2021218407 2021220193 2021220198
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2021216169	2021205989	2021235478	2021230560	2021213129	<b><u>C03C 4 /-</u></b>
<b><u>B23K 11 /-</u></b>	<b><u>B29C 48 /-</u></b>	<b><u>B62B 1 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>B81B 7 /-</u></b>	2021220193 2021220198
2021235735	2021217040	2021218691	2021230560	2021217576	
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2021216914	2020421371	2021218691 2021238469	2021212205 2021217407	2021221075 2021229632	2021418332
<b><u>B23K 9 /-</u></b>	<b><u>B32B 1 /-</u></b>	<b><u>B62B 5 /-</u></b>	<b><u>B65D 75 /-</u></b>	<b><u>C01B 32 /-</u></b>	<b><u>C04B 20 /-</u></b>
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<b><u>B23Q 3 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B62D 11 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C04B 28 /-</u></b>
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2021216169 2021218842	2021210152	2021225108	2021210161 2021210170 2021210621	2019397226	2021219021
<b><u>B25D 9 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>B65G 69 /-</u></b>	<b><u>C01G 53 /-</u></b>	2021218246 2021219021
2020427693	2021217298	2021273284	2021213459 2021213951	2021206578	<b><u>C07C 233 /-</u></b>
<b><u>B25J 11 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B65B 1 /-</u></b>	<b><u>B65H 16 /-</u></b>	<b><u>C02F 1 /-</u></b>	2020424661
2021216169	2021210152	<b><u>B65B 11 /-</u></b>	2021259994	2021216011 2021221192 2021222003 2021233529	<b><u>C07C 235 /-</u></b>
<b><u>B25J 15 /-</u></b>	<b><u>B41L 41 /-</u></b>	2021231488	202121231488	2021214350 2021218246	
2021216169	2021377723	<b><u>B65B 41 /-</u></b>	<b><u>B65H 49 /-</u></b>	<b><u>C07C 271 /-</u></b>	
<b><u>B26B 21 /-</u></b>	<b><u>B42D 25 /-</u></b>	2021231488 2021259994	2021218691	<b><u>C02F 11 /-</u></b>	2021214350
2021234275	2021243749	<b><u>B65B 45 /-</u></b>	2021218691	2021212390	<b><u>C07C 273 /-</u></b>
<b><u>B26D 7 /-</u></b>	<b><u>B60C 1 /-</u></b>	2021231488	<b><u>B66B 1 /-</u></b>	<b><u>C02F 3 /-</u></b>	2021226686
2021221026	2021251445	<b><u>B65B 53 /-</u></b>	2021220228	2021219694 2021221192	<b><u>C07C 311 /-</u></b>
<b><u>B26F 1 /-</u></b>	<b><u>B60K 15 /-</u></b>	2021231488	<b><u>B66B 19 /-</u></b>	<b><u>C03B 5 /-</u></b>	2021214350
2021218997 2021221026	2021213129	<b><u>B65B 63 /-</u></b>	2021216169 2021220228 2021220916	2021218407 2021220193 2021220198	<b><u>C07C 317 /-</u></b>
<b><u>B27B 27 /-</u></b>	<b><u>B60L 13 /-</u></b>	2021231488			2021214350
2021213773	2020423263				

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

<b><u>C07C 323 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07F 7 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C08L 7 /-</u></b>	2021218545
2021214350	2020417293	2019397226	2021206420		2021218811
<b><u>C07C 327 /-</u></b>	2020424661	2021214350	2021207992	2021251445	2021219334
2021214350	2021207633	<b><u>C07F 9 /-</u></b>	2021210061		2021219665
<b><u>C07C 333 /-</u></b>	2021208025	2021212795	<b><u>C07K 7 /-</u></b>	<b><u>C08L 95 /-</u></b>	2021220765
2021214350	2021208915	2021215709	2021217787	2021219039	2021220877
<b><u>C07C 337 /-</u></b>	2021213758	2021215811	2021218442		2021220958
2021214350	2021215709	2021217424	<b><u>C07K 9 /-</u></b>	<b><u>C09D 167 /-</u></b>	2021220986
<b><u>C07C 49 /-</u></b>	2021222818	2021219992	2021211397	2021228908	2021222056
2020424661	2021226747	2021224137	<b><u>C08B 37 /-</u></b>	<b><u>C09J 123 /-</u></b>	2021228689
<b><u>C07C 51 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07H 1 /-</u></b>	2021227116	2021220305	2021230464
2021218246	2020417293	2021225706	<b><u>C08F 2 /-</u></b>	<b><u>C09J 145 /-</u></b>	<b><u>C12N 5 /-</u></b>
2021219021	2021213758	<b><u>C07H 17 /-</u></b>	2021220305	2021220305	2020420368
<b><u>C07C 53 /-</u></b>	2021215709	2021225706	<b><u>C08F 212 /-</u></b>		2021205179
2021218246	2021230288	<b><u>C07K 14 /-</u></b>	2021220305	<b><u>C09K 5 /-</u></b>	2021206420
<b><u>C07C 67 /-</u></b>	<b><u>C07D 405 /-</u></b>	2020360701	<b><u>C08F 232 /-</u></b>	2021220264	2021206752
2021218246	2020417293	2021205179	2021220305	<b><u>C10J 3 /-</u></b>	2021210029
<b><u>C07C 69 /-</u></b>	2021222818	2021207461	<b><u>C08F 244 /-</u></b>	2021237249	2021211230
2021218246	2021226747	2021210905	2021220305	2021237400	2021211397
<b><u>C07C 69 /-</u></b>	<b><u>C07D 407 /-</u></b>	2021211432	<b><u>C08F 283 /-</u></b>	<b><u>C10K 1 /-</u></b>	2021212949
2021218246	2021213758	2021212541	2021228908	2021237249	2021215709
<b><u>C07D 209 /-</u></b>	<b><u>C07D 409 /-</u></b>	2021216358	<b><u>C08F 6 /-</u></b>		2021215811
2021213758	2020417293	2021218441	2021209357	<b><u>C10L 3 /-</u></b>	2021216418
2021215811	2021222818	2021218545	2021209357	2021212390	2021217379
2021217424	<b><u>C07D 413 /-</u></b>	2021219334	<b><u>C08F 8 /-</u></b>	<b><u>C12M 1 /-</u></b>	2021217424
<b><u>C07D 211 /-</u></b>	2021207765	2021219772	2021228908	2021212390	2021218653
2021217223	2021213758	2021220957	<b><u>C08J 9 /-</u></b>	<b><u>C12N 1 /-</u></b>	2021219334
<b><u>C07D 215 /-</u></b>	<b><u>C07D 471 /-</u></b>	2021220958	2021217298	2021212390	2021219772
2021207633	2021207804	2021221138	<b><u>C08K 5 /-</u></b>	<b><u>C12N 15 /-</u></b>	2021226507
<b><u>C07D 231 /-</u></b>	2021208025	2021221139	2021220305	2020360701	2021253759
2021207633	2021208915	20212243734	<b><u>C08G 63 /-</u></b>	<b><u>C12N 1 /-</u></b>	2021207019
<b><u>C07D 235 /-</u></b>	2021219097	2021253759	2021228908	2021209357	2021207992
2020417293	2021219992	2020420236	<b><u>C08G 8 /-</u></b>	2021207019	2021209357
<b><u>C07D 239 /-</u></b>	2021222686	2021205346	2021217298	2021216950	2021210151
2021222818	2021222818	2021205440	<b><u>C08J 9 /-</u></b>	2021217391	2021211432
<b><u>C07D 249 /-</u></b>	2021224733	2021205929	2021217298	2021219731	2021213826
2020417293	2021225683	2021206420	<b><u>C08K 5 /-</u></b>	2021225048	2021216410
<b><u>C07D 255 /-</u></b>	2021226747	2021206752	2021220681	2021227572	2021216418
2021222818	2021236869	2021207461	2021221238	2021237249	2021218811
<b><u>C07D 239 /-</u></b>	<b><u>C07D 487 /-</u></b>	2021208790	2021227116	2021237400	2021219665
2021222818	2020436612	2021209950	<b><u>C08L 15 /-</u></b>	2021240078	2021228218
<b><u>C07D 249 /-</u></b>	2021205908	2021210029	2021251445	<b><u>C12N 15 /-</u></b>	2021228689
2020417293	2021207804	2021210061	<b><u>C08J 9 /-</u></b>	2020360701	2021240078
<b><u>C07D 255 /-</u></b>	2021219097	2021210401	2021217298	2021205179	<b><u>C12P 1 /-</u></b>
2021222818	2021219634	2021213969	<b><u>C08K 5 /-</u></b>	2021205346	2020420236
<b><u>C07D 265 /-</u></b>	2021222686	2021214581	2021220681	2021205492	2021237249
2021227116	2021222818	2021215999	2021221238	2021206420	<b><u>C12P 13 /-</u></b>
<b><u>C07D 265 /-</u></b>	2021224733	2021216646	2021227116	2021206752	2021223603
2021227116	<b><u>C07D 515 /-</u></b>	2021217523	<b><u>C08L 15 /-</u></b>	2021207019	<b><u>C12P 19 /-</u></b>
<b><u>C07D 265 /-</u></b>	2021219013	2021217624	2021251445	2021207690	2021230464
2021219992	2021219013	2021218441	<b><u>C08L 5 /-</u></b>	2021210029	
<b><u>C07D 307 /-</u></b>	<b><u>C07F 13 /-</u></b>	2021218735	2021212949	2021210061	<b><u>C12P 21 /-</u></b>
2021225706	2021220207	2021218982	2021213826	2021211432	2020420236
		2021220160	2021213969	2021212949	2021207690
		2021220847	2021216358	2021213826	2021216950
		2021220865	2021216410	2021213969	2021217624
		2021224793	2021216950	2021212949	2021218735
		2021227662	2021218441	2021212949	
		2021228225		2021213826	
		2021243734		2021213969	
				2021216358	
				2021216410	
				2021216418	
				2021216950	
				2021218441	

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2021220160	<b><u>C22C 29 /-</u></b>	<b><u>E04C 2 /-</u></b>		<b><u>F16K 5 /-</u></b>	
<b><u>C12P 5 /-</u></b>	2020436274	2021416527	<b><u>E21D 9 /-</u></b>	2021216366	<b><u>F24H 1 /-</u></b>
2021237249	<b><u>C22C 47 /-</u></b>	<b><u>E04C 3 /-</u></b>	2021242898		2021229450
			2021243549	<b><u>F16L 11 /-</u></b>	
<b><u>C12P 7 /-</u></b>	2020436274	2021215886	<b><u>F02C 3 /-</u></b>	2021217040	<b><u>F24H 4 /-</u></b>
2021207019	<b><u>C22C 49 /-</u></b>	<b><u>E04F 21 /-</u></b>	2021221075	<b><u>F16L 55 /-</u></b>	2021208487
2021223603					2021229450
	2020436274	2021217703	<b><u>F02M 21 /-</u></b>	2021216117	<b><u>F24H 9 /-</u></b>
<b><u>C12Q 1 /-</u></b>	<b><u>C25B 1 /-</u></b>	<b><u>E04G 21 /-</u></b>	2021213057	<b><u>F17C 1 /-</u></b>	2021229450
2020365352					
2021207019	2021208696	2021215886	<b><u>F02M 25 /-</u></b>	2021212390	<b><u>F24S 20 /-</u></b>
2021212310	2021222003				
2021215709	2021222916	<b><u>E04H 4 /-</u></b>	2021213057	<b><u>F21V 17 /-</u></b>	2021229450
2021215811					
2021216612	<b><u>C25B 15 /-</u></b>	2021307471	<b><u>F03D 17 /-</u></b>	2021238839	<b><u>F24S 23 /-</u></b>
2021217424					
2021219665	2021208696	<b><u>E04H 9 /-</u></b>	2021217228	<b><u>F21V 5 /-</u></b>	2020430828
2021222056	<b><u>C25B 9 /-</u></b>	2021207874	<b><u>F03D 3 /-</u></b>	2021238839	<b><u>F25B 21 /-</u></b>
2021230464					
2021241674	2021208696	<b><u>E05D 15 /-</u></b>	2021206041	<b><u>F21V 7 /-</u></b>	2021206679
	2021249269				
<b><u>C12R 1 /-</u></b>		2020423028	<b><u>F03D 9 /-</u></b>	2021238839	<b><u>F25C 5 /-</u></b>
2021211382	<b><u>D05C 17 /-</u></b>				
2021219731		<b><u>E05F 15 /-</u></b>	2021206041	<b><u>F21V 8 /-</u></b>	2021206264
2021225048	2021217327		2021217228		
2021240078		2020423028		2021279462	<b><u>F25D 23 /-</u></b>
	<b><u>D06F 37 /-</u></b>				
<b><u>C21B 13 /-</u></b>		<b><u>E06B 7 /-</u></b>	<b><u>F04B 17 /-</u></b>	<b><u>F21Y 105 /-</u></b>	2021245770
	2021245770		2021222003		
2021207732	<b><u>D06N 7 /-</u></b>	2021213459		2021238839	<b><u>F27D 17 /-</u></b>
		2021213951	<b><u>F04B 27 /-</u></b>		
<b><u>C22B 1 /-</u></b>				<b><u>F21Y 115 /-</u></b>	2021208983
	2021213683	<b><u>E21B 17 /-</u></b>	2021218916		
	2021217327			2021238839	<b><u>F27D 7 /-</u></b>
2020421451		2021236344	<b><u>F04B 49 /-</u></b>		
2021207732	<b><u>E02B 3 /-</u></b>			<b><u>F23C 10 /-</u></b>	2021208983
2021208983		<b><u>E21B 21 /-</u></b>	2021218916		
	2021217422			2020428114	<b><u>F28B 1 /-</u></b>
<b><u>C22B 11 /-</u></b>		2021213154	<b><u>F04D 15 /-</u></b>	2021217228	
	<b><u>E02D 7 /-</u></b>				2021224936
2020421451		<b><u>E21B 23 /-</u></b>	2021213813	<b><u>F23C 13 /-</u></b>	<b><u>F28C 1 /-</u></b>
	2021218842				
<b><u>C22B 21 /-</u></b>		2020455342	<b><u>F15B 15 /-</u></b>	2020428114	2021224936
	<b><u>E02F 3 /-</u></b>	2021211401			
2021208983		2021214397	2020427395	<b><u>F23C 99 /-</u></b>	<b><u>F28D 11 /-</u></b>
	2021214412	2021214908			
<b><u>C22B 26 /-</u></b>	2021217678	<b><u>E21B 33 /-</u></b>	<b><u>F16B 19 /-</u></b>	2020428114	2021210124
	2021218842				
2020426496		2020455342	2021235735	<b><u>F24C 15 /-</u></b>	<b><u>F28D 5 /-</u></b>
2021207887	<b><u>E02F 9 /-</u></b>	2021211401			
		2021214397	<b><u>F16C 29 /-</u></b>	2021245770	2021224936
<b><u>C22B 3 /-</u></b>	2021217678	2021214908			
			2021218842	<b><u>F24C 7 /-</u></b>	<b><u>F28D 7 /-</u></b>
2020421451	<b><u>E03C 1 /-</u></b>				
2020426496		<b><u>E21B 34 /-</u></b>	<b><u>F16G 1 /-</u></b>	2021245770	2021210124
2020463690	2020421371				
		2021214397	2021238849	<b><u>F24D 11 /-</u></b>	<b><u>F28F 1 /-</u></b>
<b><u>C22B 5 /-</u></b>	<b><u>E03F 7 /-</u></b>	2021214908			
			<b><u>F16G 3 /-</u></b>	2021208487	2021210124
2021207732		<b><u>E21B 43 /-</u></b>		<b><u>F24D 15 /-</u></b>	<b><u>F28F 13 /-</u></b>
	2021213459		2021238849		
<b><u>C22B 7 /-</u></b>	2021213951	2020455342		2021208487	2021210124
		2021213154	<b><u>F16H 3 /-</u></b>		
2020426496	<b><u>E04B 1 /-</u></b>	2021213813		<b><u>F24D 3 /-</u></b>	
		2021214397	2021207263		<b><u>F28F 19 /-</u></b>
<b><u>C22C 1 /-</u></b>	2021215886		2021208369	2021208487	
		<b><u>E21B 47 /-</u></b>			2021210124
2020436274	<b><u>E04B 5 /-</u></b>		<b><u>F16K 15 /-</u></b>	<b><u>F24F 3 /-</u></b>	
		2020455342			
	2021416527	2021213813	2021216366	2021208487	

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<b><u>F28F 5 /-</u></b>	<b><u>G01R 31 /-</u></b>	<b><u>G06F 12 /-</u></b>	<b><u>G06Q 20 /-</u></b>	<b><u>G10L 15 /-</u></b>	<b><u>H01L 23 /-</u></b>
2021210124	2021216827 2021218589	2021227061 2021236960	2020431128 2021219223	2020423124	2021249420
<b><u>G01B 11 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G11C 11 /-</u></b>	<b><u>H01L 25 /-</u></b>
2021223204	2021216502	2021207357 2021216392 2021219697 2021236965 2021244852 2021267471	2020431128 2021219223 2021226758	2021240435	2021249420
<b><u>G01C 11 /-</u></b>	<b><u>G01S 17 /-</u></b>			<b><u>G11C 13 /-</u></b>	<b><u>H01L 27 /-</u></b>
2021223204	2021211706 2021217001 2021217745		<b><u>G06Q 40 /-</u></b>	2021244850	2021208557 2021217205 2021249420
<b><u>G01C 15 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G06F 21 /-</u></b>	2020431128 2021219223	<b><u>G16B 15 /-</u></b>	<b><u>H01L 31 /-</u></b>
2021223204	2021223204	2021205669 2021211467	<b><u>G06Q 50 /-</u></b>	2021220958	<b><u>H01L 31 /-</u></b>
<b><u>G01F 23 /-</u></b>	<b><u>G02B 19 /-</u></b>		2020428126 2020433707 2021213752 2021218709 2021219223 2021226736	<b><u>G16B 20 /-</u></b>	2020430828 2021244964
2021222805	2021238839	<b><u>G06F 3 /-</u></b>		2021224670	<b><u>H01L 39 /-</u></b>
<b><u>G01M 3 /-</u></b>	<b><u>G02B 27 /-</u></b>	2021211706 2021216347 2021298214		<b><u>G16B 25 /-</u></b>	2021244962
2021216117	2021216339 2021279462	<b><u>G06F 8 /-</u></b>	<b><u>G06T 17 /-</u></b>	2021216612 2021217241	<b><u>H01L 51 /-</u></b>
<b><u>G01N 1 /-</u></b>	<b><u>G02B 3 /-</u></b>	2021227061	2021211706	<b><u>G16B 40 /-</u></b>	2021217315
2021217576	2020430828 2021238839	<b><u>G06F 9 /-</u></b>	<b><u>G06T 19 /-</u></b>	2021216612 2021217241	<b><u>H01M 10 /-</u></b>
<b><u>G01N 21 /-</u></b>	<b><u>G02B 30 /-</u></b>	2021205669 2021227061 2021238956 2021246978	2020418397 2021211706	<b><u>G16B 50 /-</u></b>	2019380318 2021224331 2021248343
2020426347 2021208546 2021208557 2021217576	2021216339	<b><u>G06K 19 /-</u></b>	<b><u>G06T 5 /-</u></b>	2021217241	<b><u>H01M 12 /-</u></b>
<b><u>G01N 27 /-</u></b>	<b><u>G02B 6 /-</u></b>	2021214923 2021243749	2021211706 2021263306	<b><u>G16H 10 /-</u></b>	2021238135
2020426347	2020430828	<b><u>G06K 7 /-</u></b>	<b><u>G06T 7 /-</u></b>	2020430527 2021218775	<b><u>H01M 4 /-</u></b>
<b><u>G01N 29 /-</u></b>	<b><u>G02F 1 /-</u></b>	2021214923	2021211706 2021242290 2021244562 2021263306	<b><u>G16H 20 /-</u></b>	2019380318 2021222916 2021224331
2021289697	2020418397 2021216347	<b><u>G06K 10 /-</u></b>		2021213131 2021218775	<b><u>H01M 8 /-</u></b>
<b><u>G01N 30 /-</u></b>	<b><u>G03H 1 /-</u></b>	2021249420	<b><u>G07C 5 /-</u></b>	<b><u>G16H 30 /-</u></b>	2021220264 2021221075
2021205910	2020418397	<b><u>G06N 10 /-</u></b>	2020427556	2020430527 2021213131	<b><u>H01M 12 /-</u></b>
<b><u>G01N 33 /-</u></b>	<b><u>G05B 15 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G07D 7 /-</u></b>	<b><u>G16H 50 /-</u></b>	<b><u>H01Q 1 /-</u></b>
2021205910 2021207019 2021208326 2021208546 2021208693 2021208999 2021209954 2021210061 2021213969 2021217576 2021218735 2021220629 2021220787	2021210923	2021216391	2021243749	2021213131 2021216612 2021218775	2021227766
<b><u>G01R 15 /-</u></b>	<b><u>G05B 19 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>G08B 23 /-</u></b>	<b><u>G21C 1 /-</u></b>	<b><u>H01Q 13 /-</u></b>
2021234990	2020427556 2021218872	2021240437 2021411330	2021214923	2021207347	2021227766
<b><u>G01R 19 /-</u></b>	<b><u>G05B 23 /-</u></b>	<b><u>G06N 5 /-</u></b>	<b><u>G08C 17 /-</u></b>	<b><u>H01B 1 /-</u></b>	<b><u>H01Q 15 /-</u></b>
2021216172	2021213813	2021411330	2021207110	2021224331	2021216502 2021227766
<b><u>G01R 27 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06N 99 /-</u></b>	<b><u>G09B 23 /-</u></b>	<b><u>H01B 13 /-</u></b>	<b><u>H01Q 19 /-</u></b>
2021234990	2021217001	2021216391	2021213791	2021224331	2021227766
<b><u>G01R 19 /-</u></b>	<b><u>G05G 1 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G09F 3 /-</u></b>	<b><u>H01H 13 /-</u></b>	<b><u>H01Q 3 /-</u></b>
2021216172	2021215419	2020428126 2021213791 2021218709 2021226758 2021236966	2021243749	2021216347	2021227766
<b><u>G01R 27 /-</u></b>	<b><u>G06F 1 /-</u></b>		<b><u>G09F 9 /-</u></b>	<b><u>H01L 21 /-</u></b>	2021207644
2021234990	2021215419 2021217315		2021217315	2021217205 2021249420	<b><u>H01R 24 /-</u></b>
					2021207644

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<b><u>H01R 9 /-</u></b>	<b><u>H04W 24 /-</u></b>
2021207644	2021218383
<b><u>H02J 3 /-</u></b>	<b><u>H04W 28 /-</u></b>
2020433707	2021218383
2021210923	
2021213752	<b><u>H04W 4 /-</u></b>
<b><u>H02J 7 /-</u></b>	2021214781
2021218589	<b><u>H04W 76 /-</u></b>
<b><u>H02K 1 /-</u></b>	2020395266
2020437705	<b><u>H05B 47 /-</u></b>
<b><u>H02K 11 /-</u></b>	2021245037
2020469502	<b><u>H05H 6 /-</u></b>
<b><u>H02K 5 /-</u></b>	2021207347
2021214753	
<b><u>H02K 9 /-</u></b>	
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<b><u>H02M 7 /-</u></b>	
2021216172	
<b><u>H02S 10 /-</u></b>	
2021273284	
<b><u>H02S 20 /-</u></b>	
2021273284	
<b><u>H02S 40 /-</u></b>	
2020483594	
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2021207687	
2021212656	
2021218383	
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2021214781	
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     B03D 1/02 ( 2006.01 )  
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     G01N 21/21 ( 2006.01 )  
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     A61B 5/145 ( 2006.01 )

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     A61K 31/4412 ( 2006.01 )  
     A61P 35/00 ( 2006.01 )  
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**H04L 43/00** ( 2022.01 )  
**H04L 12/28** ( 2006.01 )  
**H04L 47/283** ( 2022.01 )  
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**F28D 7/02** ( 2006.01 )  
**F28F 9/22** ( 2006.01 )  
**F28F 13/08** ( 2006.01 )  
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**Haier Smart Home Co., Ltd. see Qingdao Haier Refrigerator Co., Ltd.**  
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**A61B 17/56** ( 2006.01 )  
**A61J 1/00** ( 2006.01 )  
**A61M 31/00** ( 2006.01 )  
**A61M 39/18** ( 2006.01 )  
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**F16B 13/06** ( 2006.01 )  
**F16B 31/02** ( 2006.01 )  
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**B05D 1/00** ( 2006.01 )  
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**C23C 16/44** ( 2006.01 )  
**C23C 16/511** ( 2006.01 )  
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**A61F 2/30** ( 2006.01 )  
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**D21H 11/12** ( 2006.01 )  
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**A61L 2/08** ( 2006.01 )  
**B08B 7/00** ( 2006.01 )  
**B63H 1/28** ( 2006.01 )

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**F21V 21/10** ( 2006.01 )  
**F03D 80/10** ( 2016.01 )  
**F21V 21/096** ( 2006.01 )  
**F21V 31/00** ( 2006.01 )  
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**(54)** Graft anchor devices, systems and methods  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**(54)** Mower-conditioner  
**(51)** Int. Cl.  
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**(74)** Denneweyer & Associates

**(71)** Kyocera Corporation; The University of Tokyo  
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**(54)** Estimation apparatus, estimation system, and estimation program  
**(51)** Int. Cl.  
**A61B 6/00** ( 2006.01 )  
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**A23C 9/20** ( 2006.01 )  
**A23L 2/38** ( 2006.01 )  
**A23L 2/46** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Tank testing apparatus and method  
**(51)** Int. Cl.  
**G01M 3/02** ( 2006.01 )  
**B65D 90/50** ( 2006.01 )  
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**(54)** Moving robot and control method of moving robot  
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**B25J 11/00** ( 2006.01 )  
**A01D 34/00** ( 2006.01 )  
**B25J 9/16** ( 2006.01 )  
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**F16L 59/065** ( 2006.01 )  
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 Nagata, Satoshi  
**(74)** Spruson & Ferguson

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**(54)** USER TERMINAL AND RADIO COMMUNICATION METHOD  
**(51)** Int. Cl.  
*H04W 24/10* ( 2009.01 )  
*H04W 56/00* ( 2009.01 )  
*H04W 72/04* ( 2009.01 )  
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**(54)** USER TERMINAL AND RADIO COMMUNICATION METHOD  
**(51)** Int. Cl.  
*H04W 72/04* ( 2009.01 )  
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**(74)** Spruson & Ferguson

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**(54)** System and method of order fulfilment  
**(51)** Int. Cl.  
*B65G 1/04* ( 2006.01 )  
*B65G 1/137* ( 2006.01 )  
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**(31)** 1810128.7 **(32)** 20.06.18 **(33)** GB  
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**(74)** Griffith Hack

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**(11)** AU-B-2021202209  
**(21)** 2021202209 **(22)** 12.04.2021  
**(54)** RIDER-CONTROLLED TRACKLESS RIDE SYSTEM  
**(51)** Int. Cl.  
*A63G 25/00* ( 2006.01 )  
*A63G 31/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )

*G05D 3/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
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**(74)** Pizzveys Patent and Trade Mark Attorneys Pty Ltd

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**(54)** RIDER-CONTROLLED TRACKLESS RIDE SYSTEM  
**(51)** Int. Cl.  
*A63G 25/00* ( 2006.01 )  
*A63G 31/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 3/00* ( 2006.01 )  
*G05D 3/12* ( 2006.01 )  
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**(72)** Russell, Michael; Boshears, Michael; Etta, Lauren  
**(74)** Pizzveys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Osaka Sealing Printing Co., Ltd.  
**(11)** AU-B-2019480153  
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**(54)** Centering device for objects to be conveyed, and packaging device for packaging materials equipped with same  
**(51)** Int. Cl.  
*B65G 47/24* ( 2006.01 )  
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**(72)** OYAMA, Akio; SHIBAO, Kenichi  
**(74)** Spruson & Ferguson

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**(51)** Int. Cl.  
*C07D 237/02* ( 2006.01 )  
*A61K 31/50* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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**(71)** Packsize LLC  
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**(51)** Int. Cl.  
*B31B 50/06* ( 2017.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** Electromagnetic device and methods  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
*A61M 15/06* ( 2006.01 )  
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*A61M 11/04* ( 2006.01 )  
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**C07K 19/00** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(54)** Secure permissioning of access to user accounts, including secure distribution of aggregated user account data  
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**G06Q 40/00** ( 2012.01 )  
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**D05C 11/06** ( 2006.01 )  
**D05C 15/30** ( 2006.01 )  
**G05B 19/23** ( 2006.01 )  
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**(51)** Int. Cl.

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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

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**(54)** Dynamic control of configurations of electrical circuits  
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**H01M 10/44** ( 2006.01 )  
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**(54)** Pyrazolopyrazine derived compounds, pharmaceutical composition and use thereof  
**(51)** Int. Cl.  
**C07D 487/02** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** Griffith Hack

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**C07D 417/14** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
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**A61K 31/519** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/14** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**C07D 513/04** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
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**(54)** Refrigerating and freezing apparatus  
**(51)** Int. Cl.  
**F25D 11/02** ( 2006.01 )  
**F25D 23/12** ( 2006.01 )  
**F25D 29/00** ( 2006.01 )  
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*H04L 27/26* ( 2006.01 )  
*H04W 56/00* ( 2009.01 )  
*H04J 11/00* ( 2006.01 )  
*H04J 13/00* ( 2011.01 )  
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*H04L 1/16* ( 2006.01 )  
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 (51) Int. Cl.  
*E04G 21/32* ( 2006.01 )  
*E02D 17/02* ( 2006.01 )  
*E02D 17/06* ( 2006.01 )  
*E02D 17/08* ( 2006.01 )  
*E02D 29/00* ( 2006.01 )  
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*A01N 63/30* ( 2020.01 )  
*A01P 3/00* ( 2006.01 )  
*A01P 21/00* ( 2006.01 )  
*C12N 1/14* ( 2006.01 )  
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*E06B 1/56* ( 2006.01 )  
*E04F 19/02* ( 2006.01 )  
*E05D 7/00* ( 2006.01 )  
*E05D 11/00* ( 2006.01 )  
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*E06B 3/14* ( 2006.01 )  
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*C12Q 1/68* ( 2006.01 )  
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*C12Q 1/08* ( 2006.01 )  
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*A61M 3/02* ( 2006.01 )  
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*C07J 9/00* ( 2006.01 )  
*A61K 31/575* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
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(71) Saperatec GmbH  
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 (51) Int. Cl.  
*B32B 38/10* ( 2006.01 )  
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**A61B 5/1455** ( 2006.01 )  
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**B60L 53/14** ( 2019.01 )  
**B60L 53/31** ( 2019.01 )  
**E04H 12/18** ( 2006.01 )  
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**G06F 21/55** ( 2013.01 )  
**G06M 15/00** ( 2011.01 )  
**G06N 7/02** ( 2006.01 )  
**H04M 1/64** ( 2006.01 )  
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**H04M 1/663** ( 2006.01 )  
**H04M 3/22** ( 2006.01 )  
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**B63B 1/24** ( 2006.01 )  
**B63B 1/28** ( 2006.01 )  
**B63B 1/32** ( 2006.01 )  
**B63B 1/40** ( 2006.01 )  
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**B01D 53/04** ( 2006.01 )  
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**B60W 40/105** ( 2012.01 )  
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**B63B 7/08** ( 2020.01 )
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(21) 2021204250 (22) 23.06.2021  
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**A61K 45/06** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
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**A61P 3/04** ( 2006.01 )  
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2016222383	Solar Energy Innovations Pty Ltd	2017314715	Van Oossanen & Associates B.V.
2016244312	Deere & Company	2017325703	Qualcomm Incorporated
2016253644	A & L Windows Pty. Ltd.	2017326740	Leighton O'Brien Technology Pty Limited
2016256792	Azuma Design Pty Limited	2017326906	Parcor Technology Limited
2016267564	F. Hoffmann-La Roche AG	2017330605	Caffitaly System S.p.A.
2016276973	Synlogic Operating Company, Inc.	2017331573	Fin-Ceramica Faenza S.p.A
2016277943	Cepheid	2017334227	De La Rue International Limited
2016291813	Transalgae Israel Ltd.	2017338746	LactaLogics, Inc.
2016293581	MedRegen, LLC	2017342701	Ellex Medical Pty Ltd
2016297676	Minomic International Ltd.	2017347388	Duesenfeld GmbH
2016299590	Suntory Holdings Limited	2017349303	Probst, L.
2016301195	Dana-Farber Cancer Institute, Inc.	2017353234	Geomagworld S.A.
2016321170	Fujifilm Cellular Dynamics; The United States of America, as represented by The Secretary, Department of Health and Human Services	2017353979	Industrie de Nora S.p.A.
		2017354172	Bach, A.
		2017356141	Qualcomm Incorporated
2016324298	ContraFect Corporation	2017357562	Sigfox
2016326757	Mayo Foundation for Medical Education and Research	2017359042	Qualcomm Incorporated
2016347838	Thomas, R.	2017359491	NTT DOCOMO, INC.
2016373755	Kuraray Noritake Dental Inc.	2017361096	Magic Leap, Inc.
2016375177	Amazentis SA	2017368466	National Research Council of Canada
2016377391	ImmuneXpress Pty Ltd	2017374969	Art Healthcare Ltd.
2016406891	General Electric Company	2017375909	Syngenta Participations AG
2016430851	Kimberly-Clark Worldwide, Inc.	2017375920	MJN U.S. Holdings LLC
2017200057	Caterpillar Inc.	2017376118	Cepheid
2017200677	MAC Values. Inc.	2017378087	Saperatec GmbH
2017203045	ELID Technology International Pte Ltd	2017383107	Capricornia Contact Lens Pty Ltd
2017204820	Gruppo Cimbali S.p.A.	2017387079	GoFire, Inc.
2017207772	Freezio AG	2017390376	Hilti Aktiengesellschaft
2017207910	Metabolic Technologies, Inc.	2017390378	Hilti Aktiengesellschaft
2017208250	ABUS August Bremicker Söhne KG	2017391807	Panasonic Intellectual Property Corporation of America
2017208472	Janssen Pharmaceutica NV	2017392045	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2017209941	Koninklijke Philips N.V.		Westinghouse Electric Company LLC
2017211354	Universitat Bern	2017394652	Kverneland Group Kerteminde AS
2017213614	InventisBio LLC	2017406396	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
2017213660	Evapco, Inc.	2017412467	NTT DOCOMO, INC.
2017220819	Pesahov, S.		NTT DOCOMO, INC.
2017222421	nChain Holdings Limited	2017414949	Glen Dimplex Americas Limited
2017222471	nChain Holdings Limited	2017418274	Deere & Company
2017222476	Esdra Srl Unipersonale	2018201220	SG Gaming Anz Pty Ltd
2017225035	Vorwerk & Co. Interholding GmbH	2018202525	Antunes, N.
2017231828	Janssen Pharmaceutica NV	2018206840	Packsize LLC
2017243873	Centurion Garage Doors Pty Ltd	2018208055	AltioStar Networks, Inc.
2017245405	Werner Co.	2018210234	Bilberry SAS
2017246663	Rutgers, The State University of New Jersey	2018215660	Premery, Inc.
2017251724	Hill & Smith Holdings Plc	2018215728	TriOptoTec GmbH
2017255833	Hui, M.	2018218273	Bonti, Inc.
2017260052	Supra (UK) Limited	2018234998	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2017261348	Terumo BCT, Inc.	2018237198	Vitro Flat Glass LLC
2017268369	Integrated Nano-Technologies, Inc.	2018247516	Toppan Printing Co., Ltd.
2017270134	Evonik Operations GmbH		Kimberly-Clark Worldwide, Inc.
2017272406	Georg-August-Universität Göttingen Stiftung Öffentlichen Rechts, Universitätsmedizin	2018253120	Corteva Agriscience LLC
		2018254149	Brown & Watson International Pty Ltd
2017276226	Caterpillar Inc.	2018258259	Aviara Pharmaceuticals, Inc
2017278256	Yakima Products, Inc.	2018261340	Eloxx Pharmaceuticals Ltd.
2017279609	Goodrich Corporation	2018264094	The Doshisha
2017279692	Ethicon, Inc.	2018266966	G1 Therapeutics, Inc.
2017279754	Schneider Electric (Australia) Pty Limited	2018279318	Caventure Drug Discovery, Inc.
2017283040	Monti-Werkzeuge GmbH	2018283250	Vail Systems, Inc
2017286975	Quanta Associates, L.P.	2018291026	Alexion Pharmaceuticals, Inc.
2017289488	SafKan, Inc.	2018297214	Future Biosolutions Pty Ltd
2017298463	University of Maryland, Baltimore	2018301643	Jiangsu Hengrui Medicine Co., Ltd.
2017301874	PAX Labs, Inc.	2018306612	Cell2in, Inc.
2017302599	Alcyone Therapeutics, Inc.	2018308944	Precision Drone Services Intellectual Property, LLC
2017306682	United States Gypsum Company	2018320562	SOLIDRIP LTD.
2017309820	Trimiti Moebius Design Pty Ltd	2018320601	Qualcomm Incorporated
2017312942	GENENTECH, INC.	2018325539	
2017313628	Fisher & Paykel Healthcare Limited	2018327371	
2017314481	Asytec Pty Ltd	2018329187	

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2018330197	The Board of Trustees of the Leland Stanford Junior University; Intima Bioscience, Inc.	2020203354	KUNG, B.; SPANIER, G.; DOWLING, R.; GRATZ, E.; SIESS, T.; HASTIE, C.; SPENCE, P.; Abiomed, Inc.
2018335566	Chevron U.S.A. Inc.	2020204606	Apple Inc.
2018340376	Sunshine Lake Pharma Co., Ltd.	2020211729	Nicoventures Trading Limited
2018378156	Fisher & Paykel Healthcare Limited	2020213295	Immatics Biotechnologies GmbH
2018399599	SCYNEXIS, Inc.	2020214841	Locus Robotics Corp.
2018422758	TEXTRON SYSTEMS CORPORATION	2020217332	Boehringer Ingelheim Vetmedica GmbH
2018428270	Shaanxi Huikang Bio-Tech Co., Ltd.	2020217418	AgResearch Limited
2018443233	Huawei Technologies Co., Ltd.	2020217449	LG ELECTRONICS INC.
2018449272	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2020219015	Telefonaktiebolaget LM Ericsson (publ)
2018449379	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2020220220	Riverslea Holdings Pty Ltd
2019226550	Teague, P.; Spannuth, M.; Stewart, A.; Tutt, T.	2020220596	Unilever IP Holdings B.V.
2019240210	Sami Labs Limited	2020221514	YUJOO Co., Ltd.
2019240246	Livent USA Corp.	2020223739	Deere & Company
2019246399	Nicoventures Trading Limited	2020226423	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2019248261	LG Electronics Inc.	2020226988	MBL Limited
2019250071	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	2020230291	Dolby Laboratories Licensing Corporation
2019253110	Plaid Inc.	2020231996	Ecolab USA Inc.
2019256670	Masarykova Univerzita	2020233698	K2M, Inc.
2019257236	Sudhin Biopharma	2020233725	LG Electronics Inc.
2019263346	LG Electronics Inc.	2020237554	Yule, F.
2019265673	Urban Electric Networks Ltd	2020239733	C.R. Bard, Inc.
2019269842	Huawei Technologies Co., Ltd.	2020239824	Sunfolding, Inc.
2019271766	Liang, Y.	2020250273	CJ CheilJedang Corporation
2019277592	W.M. Barr & Company, Inc.	2020253282	Google LLC
2019282972	Global Energy Co., Ltd.	2020256328	Heraeus Medical GmbH
2019289085	Howmedica Osteonics Corp.	2020256343	Inguran, LLC
2019291110	Ocado Innovation Limited	2020256382	Corium International, Inc.
2019292277	CJ CheilJedang Corporation	2020256720	PrimeGene (Beijing) Co., Ltd.; PrimeGene (Beijing) Co. Ltd.
2019292293	LG Electronics Inc.	2020260482	ProKidney
2019294482	PTC Therapeutics, Inc.	2020267170	GANIO, C.
2019299724	Seal and Pack Co., LTD	2020267194	Novartis AG
2019302757	SightGlass Vision, Inc.	2020275849	A.I. Innovations N.V.
2019304514	Alia Instruments Holding B.V.	2020286231	Apple Inc.
2019305746	Sino Research Institute of Roll Forming Industry (Cao-feidian) Co., Ltd.	2020297962	Halliburton Energy Services, Inc.
2019309926	Gates Corporation	2020396275	N.V. Nutricia
2019317982	Welltec Oilfield Solutions AG	2020397226	N.V. Nutricia
2019327161	Amazonen-Werke H. Dreyer GmbH & Co. KG	2020405625	Scott Automation & Robotics Pty Limited
2019330986	W. L. Gore & Associates, Inc.	2020405824	Korea Aviation Light Co., Ltd.
2019335749	BGRIMM Machinery & Automation Technology Co., Ltd.	2020420084	Synergia Medical
2019339090	Kyocera Corporation; The University of Tokyo	2020420496	China University of Mining and Technology
2019339777	Novartis AG	2020433991	HYLA, Proizvodnja, razvoj in trgovina d.o.o.
2019367853	Citrix Systems, Inc.	2021200205	Sage Therapeutics, Inc.
2019378702	Boston Scientific Neuromodulation Corporation	2021201078	BGC Partners, L.P.
2019379002	Mitsui Chemicals Agro, Inc.	2021201135	Otsuka Pharmaceutical Co., Ltd.
2019379795	RAGT 2n	2021201171	K2M, Inc.
2019380577	Aliaxis Research & Technology	2021201428	Commonwealth Scientific and Industrial Research Organisation
2019383599	Huawei Technologies Co., Ltd.	2021201730	Qualcomm Incorporated
2019388238	NanoomEnergy Co., Ltd.	2021201875	Cytec Industries Inc.
2019388525	NanoomEnergy Co., Ltd.	2021202003	Giant Manufacturing Co., Ltd.
2019389594	Fujitsu General Limited	2021202209	Oceaneering International, Inc.
2019396245	Waymo LLC	2021202210	Oceaneering International, Inc.
2019403224	Conmed Corporation	2021202241	LG Electronics Inc.
2019407410	Nippon Telegraph and Telephone Corporation	2021202903	Apple Inc.
2019414303	Colgate-Palmolive Company	2021202984	Daikin Industries, Ltd.
2019423598	Innovative Systems Et Technologies (Isytech)	2021202985	Daikin Industries, Ltd.
2019433870	Mitsubishi Electric Corporation	2021203477	Clearview Property Management Pty Ltd
2019445562	HBI Branded Apparel Enterprises, LLC	2021203518	Apple Inc.
2019454117	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2021203791	Dolby International AB
2019480153	Osaka Sealing Printing Co., Ltd.	2021204013	Northrop Grumman Systems Corporation
2020201821	The General Hospital Corporation	2021204186	Canva Pty Ltd.
2020202119	PF Argentum IP Holdings LLC	2021204250	Zogenix International Limited
2020202304	Board of Regents, The University of Texas System	2021204343	LG Electronics Inc.
2020202705	Genzyme Corporation	2021205011	FJ Dynamics Co., Ltd.
2020202775	FLSmidth A/S	2021205046	Anglo American Technical & Sustainability Services Ltd; Anglo Corporate Services South Africa (Pty) Ltd
2020202863	Bioverativ Therapeutics Inc.	2021206843	Freeport-McMoRan Inc.
		2021212076	Illumina, Inc.
		2021217231	Assembly OSM, Inc.

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<b>2021218224</b>	SOLIDpower (Australia) Pty Ltd
<b>2021236536</b>	Soft Rigging Solutions Pty Ltd
<b>2021250984</b>	Cornell University
<b>2021280404</b>	Pongrass, R.
<b>2022203215</b>	LGHorizon, LLC



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2021205011	2019379795	<b><u>A41D 27 /-</u></b>	2020420084	2021200205	<b><u>A61L 27 /-</u></b>
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2019327161	2019379795	<b><u>A45F 5 /-</u></b>	2019339090	2021204250	<b><u>A61M 11 /-</u></b>
<b><u>A01C 7 /-</u></b>	<b><u>A01P 7 /-</u></b>	2017220819	<b><u>A61B 90 /-</u></b>	2020267170	2017301874
2020223739	2019379002	<b><u>A46B 13 /-</u></b>	2018208055	<b><u>A61K 35 /-</u></b>	2019246399
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<b><u>A01D 41 /-</u></b>	<b><u>A22C 17 /-</u></b>	2017283040	2017289488	2017375920	2017313628
2017314481	2020405625	<b><u>A47B 47 /-</u></b>	<b><u>A61F 13 /-</u></b>	<b><u>A61K 36 /-</u></b>	2019246399
<b><u>A01D 43 /-</u></b>	<b><u>A23C 3 /-</u></b>	2017222476	<b><u>A61F 2 /-</u></b>	2016291813	<b><u>A61M 16 /-</u></b>
2017406396	2017338746	<b><u>A47J 27 /-</u></b>	2016430851	<b><u>A61K 38 /-</u></b>	2017313628
<b><u>A01D 89 /-</u></b>	<b><u>A23C 9 /-</u></b>	2017204820	2020203354	2016293581	2018378156
2018202525	2017338746	2020226988	2020233698	2016299590	<b><u>A61M 3 /-</u></b>
<b><u>A01G 15 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A47J 31 /-</u></b>	2021201171	2016324298	2017289488
2020275849	2019271766	2017204820	<b><u>A61F 5 /-</u></b>	2018237198	<b><u>A61M 31 /-</u></b>
<b><u>A01G 24 /-</u></b>	<b><u>A23F 3 /-</u></b>	<b><u>A47J 36 /-</u></b>	2020256328	2018428270	2020256328
2020275849	2020220596	<b><u>A47J 43 /-</u></b>	<b><u>A61F 9 /-</u></b>	2020202119	<b><u>A61M 39 /-</u></b>
<b><u>A01G 25 /-</u></b>	<b><u>A23L 2 /-</u></b>	2017220819	2017342701	2020202863	2020256328
2018327371	2017338746	2017225035	2019330986	2020213295	<b><u>A61M 39 /-</u></b>
2020275849	<b><u>A23L 27 /-</u></b>	<b><u>A47J 47 /-</u></b>	<b><u>A61J 1 /-</u></b>	<b><u>A61K 39 /-</u></b>	<b><u>A61M 5 /-</u></b>
<b><u>A01K 15 /-</u></b>	2020220596	2017220819	2017312942	2016267564	2017302599
2017354172	<b><u>A23L 29 /-</u></b>	<b><u>A47L 11 /-</u></b>	2020217332	2018306612	<b><u>A61N 1 /-</u></b>
<b><u>A01M 7 /-</u></b>	2016375177	2019263346	2020256328	<b><u>A61K 45 /-</u></b>	2019378702
2018215728	<b><u>A23L 3 /-</u></b>	<b><u>A47L 9 /-</u></b>	<b><u>A61J 15 /-</u></b>	2018283250	2020420084
<b><u>A01N 25 /-</u></b>	2017338746	2019263346	2017374969	2021204250	<b><u>A61N 5 /-</u></b>
2017375909	<b><u>A23L 33 /-</u></b>	2020233725	<b><u>A61K 31 /-</u></b>	<b><u>A61K 47 /-</u></b>	2019378702
2019379002	2017375920	2020433991	2016267564	2020202863	2020420084
<b><u>A01N 31 /-</u></b>	2020396275	2021202241	2016291813	<b><u>A61K 49 /-</u></b>	2019378702
2017375909	2020397226	<b><u>A61B 17 /-</u></b>	2016293581	2018320601	2020420084
<b><u>A01N 37 /-</u></b>	<b><u>A24D 1 /-</u></b>	2017211354	2016299590	<b><u>A61K 6 /-</u></b>	<b><u>A61P 1 /-</u></b>
2019379002	2020211729	2017331573	2016375177	2016373755	2017255833
<b><u>A01N 43 /-</u></b>	<b><u>A24F 40 /-</u></b>	2019403224	2017207910	<b><u>A61K 8 /-</u></b>	2020217418
2017375909	2020211729	2020203354	2017208472	2018237198	<b><u>A61P 15 /-</u></b>
2018261340	<b><u>A24F 47 /-</u></b>	2020233698	2017213614	2019414303	2017255833
<b><u>A01N 63 /-</u></b>	2017387079	2020239733	2017231828	<b><u>A61K 9 /-</u></b>	<b><u>A61P 17 /-</u></b>
2019379795	2019246399	2020256328	2017255833	2017208472	2017255833
<b><u>A41D 1 /-</u></b>	<b><u>A41D 1 /-</u></b>	2020256382	2017270134	2017255833	<b><u>A61P 19 /-</u></b>
		2019289085	2018266966	2017270134	2017207910
		2017298463	2018283250	2018399599	2017255833
			2018291026	2019240210	2020202304
			2018320562	2020202863	<b><u>A61P 21 /-</u></b>
			2018340376	2020256382	2018279318
			2018399599		2018340376
			2019240210		
			2019256670		
			2019294482		
			2019339777		
			2020217418		
			2020256720		
			2020267194		
			2020396275		
				2017209941	
				2017279692	

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<b><u>A61P 25 /-</u></b>	2018206840	2019423598	<b><u>B32B 43 /-</u></b>	2020237554	<b><u>C02F 103 /-</u></b>
2017375920	<b><u>A63F 9 /-</u></b>	<b><u>B08B 17 /-</u></b>	2017378087	<b><u>B63H 1 /-</u></b>	2017353979
2018340376	2017309820	2017209941	<b><u>B32B 5 /-</u></b>	2017209941	<b><u>C02F 11 /-</u></b>
2019294482	<b><u>A63G 25 /-</u></b>	<b><u>B08B 3 /-</u></b>	2021201875	<b><u>B63H 19 /-</u></b>	2017353979
2021200205	2021202209	2017203045	<b><u>B41M 3 /-</u></b>	2017314715	<b><u>C02F 9 /-</u></b>
2021204250	2021202210	<b><u>B08B 7 /-</u></b>	2017334227	<b><u>B64C 39 /-</u></b>	2017353979
<b><u>A61P 27 /-</u></b>	<b><u>A63G 31 /-</u></b>	2017209941	<b><u>B42D 25 /-</u></b>	2018325539	<b><u>C03B 19 /-</u></b>
2017255833	2021202209	<b><u>B21C 37 /-</u></b>	2017334227	<b><u>B65D 17 /-</u></b>	2021218224
2018283250	2021202210	2019305746	<b><u>B44C 1 /-</u></b>	2019299724	<b><u>C03C 10 /-</u></b>
2018428270	<b><u>A63H 33 /-</u></b>	<b><u>B24B 23 /-</u></b>	2018254149	<b><u>B65D 23 /-</u></b>	2021218224
<b><u>A61P 3 /-</u></b>	2017309820	2017283040	<b><u>B60D 1 /-</u></b>	2019423598	<b><u>C03C 17 /-</u></b>
2016299590	2017353234	<b><u>B24B 29 /-</u></b>	2021236536	<b><u>B65D 51 /-</u></b>	2018253120
2020217418	<b><u>B01D 21 /-</u></b>	2017283040	<b><u>B60L 53 /-</u></b>	2019277592	<b><u>C07C 217 /-</u></b>
2020396275	2019257236	<b><u>B01D 29 /-</u></b>	2019265673	<b><u>B65D 81 /-</u></b>	2018234998
2020397226	<b><u>B01D 45 /-</u></b>	2017283040	<b><u>B60Q 1 /-</u></b>	2020217332	<b><u>C07C 225 /-</u></b>
2021204250	2020433991	<b><u>B24D 13 /-</u></b>	2018264094	<b><u>B65D 85 /-</u></b>	2018234998
<b><u>A61P 31 /-</u></b>	2016267564	2017283040	<b><u>B60R 1 /-</u></b>	2017330605	<b><u>C07C 229 /-</u></b>
2016291813	2016301195	<b><u>B25J 11 /-</u></b>	2021203477	<b><u>B65D 90 /-</u></b>	2018261340
2016324298	2017255833	2019248261	<b><u>B60R 9 /-</u></b>	2017326740	<b><u>C07C 233 /-</u></b>
2017255833	2019257236	<b><u>B25J 9 /-</u></b>	2017278256	<b><u>B65G 1 /-</u></b>	2018234998
2019339777	<b><u>B01D 53 /-</u></b>	2019248261	<b><u>B60W 10 /-</u></b>	2017200057	<b><u>C07C 271 /-</u></b>
<b><u>A61P 35 /-</u></b>	2019257236	2020226988	2019396245	2019291110	<b><u>C07C 271 /-</u></b>
2016267564	<b><u>B01J 29 /-</u></b>	<b><u>B28B 19 /-</u></b>	<b><u>B60W 30 /-</u></b>	<b><u>B65G 15 /-</u></b>	2018234998
2016301195	2018449272	2017306682	2019309926	2019309926	<b><u>C07C 49 /-</u></b>
2017255833	<b><u>B01J 8 /-</u></b>	<b><u>B28C 5 /-</u></b>	2019396245	2021206843	2018234998
2018266966	2019257236	2017306682	<b><u>B60W 40 /-</u></b>	2020420496	<b><u>C07C 69 /-</u></b>
2018320562	<b><u>B01L 3 /-</u></b>	<b><u>B28C 9 /-</u></b>	2019396245	<b><u>B65G 47 /-</u></b>	2018234998
2019256670	2016277943	2017306682	2021206843	2017200057	<b><u>C07D 213 /-</u></b>
2020202119	<b><u>B01L 7 /-</u></b>	<b><u>B31B 50 /-</u></b>	<b><u>B60W 50 /-</u></b>	2019480153	2018234998
2020213295	2017376118	2018210234	2019396245	<b><u>B66C 1 /-</u></b>	2018266966
2020256720	<b><u>B03B 5 /-</u></b>	<b><u>B32B 15 /-</u></b>	<b><u>B62D 15 /-</u></b>	2021236536	<b><u>C07D 237 /-</u></b>
2021201135	2019257236	2021201875	2021206843	<b><u>B67D 1 /-</u></b>	2021201135
<b><u>A61P 37 /-</u></b>	<b><u>B03C 1 /-</u></b>	<b><u>B32B 17 /-</u></b>	<b><u>B62J 99 /-</u></b>	2017207772	<b><u>C07D 277 /-</u></b>
2020256720	2020256343	2018253120	2021202003	<b><u>B82Y 30 /-</u></b>	2019256670
2020267194	<b><u>B03D 1 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B63B 1 /-</u></b>	2021212076	<b><u>C07D 303 /-</u></b>
<b><u>A61P 43 /-</u></b>	2019335749	2017306682	2017314715	<b><u>C01B 39 /-</u></b>	2018234998
2016299590	2021205046	<b><u>B32B 15 /-</u></b>	<b><u>B63B 39 /-</u></b>	2018449272	<b><u>C07D 403 /-</u></b>
2018283250	<b><u>B04B 1 /-</u></b>	2021201875	2017314715	<b><u>C02F 1 /-</u></b>	2018340376
<b><u>A61P 9 /-</u></b>	2019257236	<b><u>B32B 38 /-</u></b>	<b><u>B63B 7 /-</u></b>	2016347838	<b><u>C07D 409 /-</u></b>
2017255833	<b><u>B04B 7 /-</u></b>	2017378087	2017353979	2017353979	
<b><u>A61Q 11 /-</u></b>	<b><u>B05D 1 /-</u></b>				
2019414303					
<b><u>A62B 35 /-</u></b>					
2017245405					
<b><u>A63B 24 /-</u></b>					
2021202003					
<b><u>A63B 69 /-</u></b>					
2017354172					
2021202003					
<b><u>A63F 13 /-</u></b>					

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2018266966	<b><u>C07K 7 /-</u></b>	2018330197 2020250273	<b><u>D21H 27 /-</u></b>	<b><u>E05B 37 /-</u></b>	2016406891 2017390376 2017390378
<b><u>C07D 417 /-</u></b>	2020213295	<b><u>C12P 13 /-</u></b>	2018258259	2017260052	<b><u>F16B 19 /-</u></b>
2019256670	<b><u>C08G 63 /-</u></b>	2020250273	<b><u>E01B 1 /-</u></b>	<b><u>E05B 41 /-</u></b>	2016406891
2019294482	2018449379	<b><u>C12P 19 /-</u></b>	2017251724	2017260052	<b><u>F16B 2 /-</u></b>
<b><u>C07D 471 /-</u></b>	<b><u>C08K 5 /-</u></b>	2017246663	<b><u>E01F 1 /-</u></b>	<b><u>E05D 11 /-</u></b>	2016406891
2017213614	2018234998	<b><u>C12P 7 /-</u></b>	2017251724	2020220220	2016406891
2019294482	<b><u>C09D 133 /-</u></b>	2019271766 2019292277	<b><u>E02B 3 /-</u></b>	<b><u>E05D 15 /-</u></b>	<b><u>F16B 31 /-</u></b>
2019339777	2018234998	2020221514	2020221514	2016253644 2016256792 2017243873	2017390376 2017390378
<b><u>C07D 487 /-</u></b>	<b><u>C09D 175 /-</u></b>	2016277943 2016377391 2017246663 2017268369 2017376118 2018308944 2020201821 2021212076	<b><u>E02D 15 /-</u></b>	<b><u>E05D 7 /-</u></b>	<b><u>F16B 37 /-</u></b>
2018291026	2018234998	<b><u>C12Q 1 /-</u></b>	2020221514	2020220220	2017390376 2017390378
2018320562	<b><u>C09D 183 /-</u></b>	2016277943 2016377391 2017246663 2017268369 2017376118 2018308944 2020201821 2021212076	<b><u>E02D 17 /-</u></b>	<b><u>E05F 5 /-</u></b>	<b><u>F16G 1 /-</u></b>
2019294482	2018234998	<b><u>C12R 1 /-</u></b>	2017286975	2016256792	2019309926
2020256720	<b><u>C09D 5 /-</u></b>	2019271766 2019292277 2019379795 2020250273	<b><u>E02D 25 /-</u></b>	2020221514	<b><u>F16G 11 /-</u></b>
<b><u>C07D 491 /-</u></b>	2018234998	<b><u>E02D 29 /-</u></b>	2020221514	<b><u>E06B 1 /-</u></b>	<b><u>F16G 15 /-</u></b>
2018297214	<b><u>C11D 1 /-</u></b>	2017286975	2017286975	2020220220	2021236536
2018320601	2020231996	<b><u>E02F 3 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E06B 3 /-</u></b>	2021236536
<b><u>C07D 513 /-</u></b>	<b><u>C11D 11 /-</u></b>	2016244312 2017276226 2020202775	2016244312 2017276226 2020202775	2016253644 2016256792 2017243873 2020220220	<b><u>F16G 3 /-</u></b>
2019294482	<b><u>C11D 3 /-</u></b>	2017347388	<b><u>E02F 9 /-</u></b>	2020220220	2019309926
<b><u>C07D 519 /-</u></b>	2020231996	<b><u>C22B 15 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>E21B 19 /-</u></b>	<b><u>F16K 1 /-</u></b>
2019294482	<b><u>C11D 11 /-</u></b>	2017347388	2016244312 2017276226	2017200057	2019380577
<b><u>C07F 7 /-</u></b>	2020231996	<b><u>C22B 21 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F16K 31 /-</u></b>
2018234998	<b><u>C11D 3 /-</u></b>	2021205046	2017222476 2021217231	2019317982	2018327371
<b><u>C07F 9 /-</u></b>	2020231996	<b><u>C22B 3 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>F16K 43 /-</u></b>
2021250984	<b><u>C12G 3 /-</u></b>	2017347388	<b><u>E04F 10 /-</u></b>	2020297962	2019380577
<b><u>C07H 15 /-</u></b>	2017349303	<b><u>C22B 7 /-</u></b>	2017222476	<b><u>E21B 43 /-</u></b>	<b><u>F16L 59 /-</u></b>
2018279318	<b><u>C12M 1 /-</u></b>	2019423598	<b><u>E04F 19 /-</u></b>	2020297962	2019292293
<b><u>C07H 19 /-</u></b>	2017261348 2017272406	<b><u>D05C 11 /-</u></b>	2020220220	<b><u>F03D 1 /-</u></b>	<b><u>F21S 10 /-</u></b>
2021250984	<b><u>C12M 3 /-</u></b>	2021280404	<b><u>E04G 21 /-</u></b>	2019282972	2018201220
<b><u>C07H 21 /-</u></b>	2017272406	<b><u>D05C 15 /-</u></b>	2017286975	<b><u>F03D 80 /-</u></b>	<b><u>F21V 21 /-</u></b>
2020202705	<b><u>C12N 1 /-</u></b>	2021280404	<b><u>E04H 12 /-</u></b>	2020405824	2020405824
<b><u>C07J 9 /-</u></b>	2016276973 2016291813 2019292277 2019379795	<b><u>D06F 33 /-</u></b>	2019265673	<b><u>F04D 29 /-</u></b>	<b><u>F21V 31 /-</u></b>
2021200205	<b><u>C12N 15 /-</u></b>	2020217449	<b><u>E04H 15 /-</u></b>	2019389594	2020405824
<b><u>C07K 14 /-</u></b>	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D06F 58 /-</u></b>	2017222476	<b><u>F15B 13 /-</u></b>	<b><u>F24C 7 /-</u></b>
2018237198	2016277943 2017376118 2018330197 2020202119 2020202863	2020217449	<b><u>E05B 17 /-</u></b>	2017200677	2018201220
2020202119	<b><u>C12N 5 /-</u></b>	2020217449	2017260052	<b><u>F16B 12 /-</u></b>	<b><u>F24D 17 /-</u></b>
2020202863	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D21H 11 /-</u></b>	<b><u>E05B 19 /-</u></b>	2017222476	2016222383
<b><u>C07K 16 /-</u></b>	2016277943 2017376118 2018330197 2020202119 2020202863	2018258259	2017208250 2017260052	<b><u>F16B 13 /-</u></b>	<b><u>F24D 19 /-</u></b>
2016267564	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D05C 11 /-</u></b>			
2016301195	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D05C 15 /-</u></b>			
2016326757	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D06F 33 /-</u></b>			
2018306612	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D06F 58 /-</u></b>			
2020202119	2016277943 2017376118 2018330197 2020202119 2020202863	<b><u>D21H 11 /-</u></b>			
<b><u>C07K 19 /-</u></b>	2016321170				
2020202119	<b><u>C12N 9 /-</u></b>				
2018237198	2018237198				

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2019380577	<b><u>F28F 7 /-</u></b>	<b><u>G01N 33 /-</u></b>		2017279609	
<b><u>F24F 13 /-</u></b>	2017213660	2016297676	<b><u>G05D 1 /-</u></b>	<b><u>G08B 25 /-</u></b>	<b><u>H02J 50 /-</u></b>
2019433870	<b><u>F28F 9 /-</u></b>	2016326757	2019396245		2018443233
<b><u>F24F 3 /-</u></b>	2017204820	2018308944	2020214841	2022203215	<b><u>H02J 7 /-</u></b>
2019277592	<b><u>F41A 15 /-</u></b>	2018320601	2021202209	<b><u>G08B 7 /-</u></b>	2018218273
<b><u>F25B 1 /-</u></b>	2018422758	2021212076	2021202210		2018443233
2021202984	<b><u>F41A 21 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G05D 3 /-</u></b>	2022203215	
2021202985	2018422758	2017376118	2021202209	<b><u>G08C 17 /-</u></b>	<b><u>H02M 7 /-</u></b>
<b><u>F25B 13 /-</u></b>	2018422758	<b><u>G01N 9 /-</u></b>	2021202210	2019388238	2016222383
2021202984	<b><u>F41A 3 /-</u></b>	2019304514	<b><u>G06F 1 /-</u></b>	2019388525	<b><u>H02S 20 /-</u></b>
2021202985	<b><u>F41A 3 /-</u></b>	<b><u>G01R 19 /-</u></b>	2017361096	<b><u>G10L 19 /-</u></b>	2020239824
<b><u>F25B 30 /-</u></b>	<b><u>F41A 5 /-</u></b>	<b><u>G01R 19 /-</u></b>	<b><u>G06F 16 /-</u></b>	2018329187	<b><u>H02S 40 /-</u></b>
2020217449	2018422758	2019388238	2019407410	<b><u>G21C 17 /-</u></b>	2019388238
<b><u>F25B 41 /-</u></b>	<b><u>F41A 9 /-</u></b>	2019388525	<b><u>G06F 21 /-</u></b>	2017394652	2019388525
2021202984	2018422758	<b><u>G01R 21 /-</u></b>	2018301643	<b><u>G21C 19 /-</u></b>	<b><u>H02S 50 /-</u></b>
2021202985	<b><u>F42B 5 /-</u></b>	2019388238	2019407410	2017394652	2019388238
<b><u>F25B 49 /-</u></b>	2018422758	2019388525	<b><u>G06F 3 /-</u></b>	<b><u>H01F 3 /-</u></b>	2019388525
2020217449	<b><u>G01B 11 /-</u></b>	2017357562	2018206840	2017326906	<b><u>H03K 19 /-</u></b>
<b><u>F25D 11 /-</u></b>	2020420496	<b><u>G01S 13 /-</u></b>	2020286231	<b><u>H01H 13 /-</u></b>	2021204013
2020226423	<b><u>G01C 11 /-</u></b>	2021201428	2021202903	<b><u>H01H 13 /-</u></b>	<b><u>H03K 3 /-</u></b>
<b><u>F25D 23 /-</u></b>	2021201428	<b><u>G01S 5 /-</u></b>	2021203518	2017279754	2021204013
2019292293	<b><u>G01C 3 /-</u></b>	2017357562	<b><u>G06F 30 /-</u></b>	<b><u>H01J 37 /-</u></b>	<b><u>H04B 7 /-</u></b>
2020226423	2020223739	<b><u>G01V 1 /-</u></b>	2019388238	2019423598	2018215660
<b><u>F25D 29 /-</u></b>	2020223739	2018335566	<b><u>G06F 9 /-</u></b>	<b><u>H01L 21 /-</u></b>	2019269842
2020226423	<b><u>G01C 7 /-</u></b>	<b><u>G01V 5 /-</u></b>	2021202903	2017325703	<b><u>H04H 20 /-</u></b>
<b><u>F26B 5 /-</u></b>	2020223739	2019226550	2018301643	<b><u>H01L 23 /-</u></b>	2021203791
2020202863	<b><u>G01J 3 /-</u></b>	<b><u>G02B 25 /-</u></b>	<b><u>G06N 10 /-</u></b>	2017361096	<b><u>H04J 11 /-</u></b>
<b><u>F28D 7 /-</u></b>	2020204606	2018208055	2020253282	<b><u>H01L 29 /-</u></b>	2017356141
2017204820	<b><u>G01L 13 /-</u></b>	<b><u>G02B 26 /-</u></b>	<b><u>G06N 20 /-</u></b>	2017325703	<b><u>H04J 13 /-</u></b>
<b><u>F28F 1 /-</u></b>	2017326740	2020204606	2019388525	<b><u>H01M 10 /-</u></b>	2017356141
2017213660	<b><u>G01M 3 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06N 7 /-</u></b>	2017347388	<b><u>H04L 1 /-</u></b>
<b><u>F28F 13 /-</u></b>	2017326740	2017361096	2018301643	2018218273	2021201730
2017204820	<b><u>G01N 1 /-</u></b>	2018208055	<b><u>G06Q 20 /-</u></b>	2019240246	<b><u>H04L 12 /-</u></b>
2017213660	2017314481	<b><u>G02B 5 /-</u></b>	2017222421	<b><u>H01M 6 /-</u></b>	2017359042
<b><u>F28F 19 /-</u></b>	<b><u>G01N 19 /-</u></b>	2018253120	2017222471	2017347388	2021201078
2017209941	2018327371	<b><u>G02C 7 /-</u></b>	<b><u>G06Q 40 /-</u></b>	<b><u>H01M 8 /-</u></b>	2017356141
<b><u>F28F 21 /-</u></b>	<b><u>G01N 21 /-</u></b>	2017383107	2019253110	2021218224	2018247516
2017361096	2017298463	2019302757	<b><u>G06T 11 /-</u></b>	<b><u>H02H 3 /-</u></b>	<b><u>H04L 43 /-</u></b>
<b><u>F28F 3 /-</u></b>	2017368466	<b><u>G03F 7 /-</u></b>	2021204186	2019388238	2021201078
2017213660	2018320601	<b><u>G05B 19 /-</u></b>	<b><u>G08B 17 /-</u></b>	2019388525	<b><u>H04L 47 /-</u></b>
	2020204606	2020226988	2022203215	<b><u>H02J 3 /-</u></b>	2021201078
		2021280404	<b><u>G08B 21 /-</u></b>	2016222383	

Applications Accepted - IPC Index cont'd

**H04L 9 /-**

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2017387079

**H04M 1 /-**

2018301643

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2019423598

2020286231

**H04M 3 /-**

2018301643

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2021205011

**H04N 19 /-**

2019454117

**H05K 7 /-**

2017361096

2020230291

2021204343

**H04N 21 /-**

2019367853

2020230291

**H04N 5 /-**

2018208055

**H04W 24 /-**

2017414949

**H04W 28 /-**

2017359491

2019250071

**H04W 36 /-**

2020219015

**H04W 52 /-**

2017392045

**H04W 56 /-**

2017356141

2017414949

**H04W 72 /-**

2017359491

2017414949

2017418274

2018247516

2019250071

**H04W 74 /-**

2017359491

2017391807

2017412467

**H04W 8 /-**

2019383599

**H04W 80 /-**

2019250071

**H04W 88 /-**

2018215660

**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) Aero-Tech Pty Ltd  
 (11) AU-B-2021107629  
 (21) 2021107629 (22) 26.11.2021  
 (54) Sweeper  
 (51) Int. Cl.  
     *A47L 11/12* ( 2006.01 )  
     *E01H 1/04* ( 2006.01 )  
     *E01H 1/12* ( 2006.01 )  
     *E01H 15/00* ( 2006.01 )  
 (45) 01.09.2022  
 (62) 2021102197  
 (72) TOZER, Warwick; TOZER, Stuart  
 (74) Davies Collison Cave Pty Ltd

*A61B 5/00* ( 2006.01 )  
*A61B 5/01* ( 2006.01 )  
*G07C 9/15* ( 2020.01 )  
*G08B 21/22* ( 2006.01 )  
 (31) 2020904299 (32) 20.11.20 (33) AU  
 (45) 01.09.2022  
 (72) Urquhart, David  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

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(71) Korex Pty Ltd  
 (11) AU-B-2021107574  
 (21) 2021107574 (22) 07.10.2021  
 (54) METHOD AND APPARATUS FOR SEPARATING SOLID CONTAMINANT MATERIAL FROM SOIL  
 (51) Int. Cl.  
     *B07B 1/38* ( 2006.01 )  
     *B09C 1/00* ( 2006.01 )  
 (45) 01.09.2022  
 (62) 2017254853  
 (72) PAYDON, Donald Dennis; NOONAN, Simone  
 (74) WRAYS PTY LTD

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(71) Rose, A.  
 (11) AU-B-2021104209  
 (21) 2021104209 (22) 15.07.2021  
 (54) A PORTABLE DE-COILING APPARATUS  
 (51) Int. Cl.  
     *B65H 49/30* ( 2006.01 )  
 (31) 2021902045 (32) 05.07.21 (33) AU  
 (45) 01.09.2022  
 (72) Rose, Alexander  
 (74) Adams Pluck

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(71) Trailer Stonestar Pty Ltd  
 (11) AU-B-2021106848  
 (21) 2021106848 (22) 24.08.2021  
 (54) A HYDRAULIC CONTROL SYSTEM OF A SIDE TIPPER  
 (51) Int. Cl.  
     *B60P 1/16* ( 2006.01 )  
 (45) 01.09.2022  
 (72) Shi, Feng  
 (74) TIDY TEND GLOBAL PTY LTD

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(71) Urquhart, D.  
 (11) AU-B-2021107342  
 (21) 2021107342 (22) 25.08.2021  
 (54) A Temperature Check Cell and a Checking Method Thereof  
 (51) Int. Cl.  
     *G08B 21/02* ( 2006.01 )

**Numerical Index**

**2021104209** Rose, A.  
**2021106848** Trailer Stonestar Pty Ltd  
**2021107342** Urquhart, D.  
**2021107574** Korex Pty Ltd  
**2021107629** Aero-Tech Pty Ltd

**IPC Index**

**A47L 11 /-**

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2021107342

**B07B 1 /-**

2021107574

**B09C 1 /-**

2021107574

**B60P 1 /-**

2021106848

**B65H 49 /-**

2021104209

**E01H 1 /-**

2021107629

**E01H 15 /-**

2021107629

**G07C 9 /-**

2021107342

**G08B 21 /-**

2021107342



**Patents Granted**

**Standard Patents**

2015264449	2016225178	2016238254	2016253558
2016309953	2016320581	2016365783	2016371228
2016375312	2016376209	2017207359	2017244290
2017257627	2017270014	2017273737	2017286869
2017292751	2017302211	2017321804	2017329983
2017364475	2017379888	2018221148	2018249237
2018252604	2018279319	2018305923	2018307564
2018348667	2018407813	2019205732	2019218824
2019224319	2019240734	2019265483	2019311464
2019327335	2019356795	2019429674	2020200211
2020201010	2020201225	2020201350	2020201432
2020202956	2020202984	2020203418	2020203685
2020205245	2020289770	2021200833	2021201933

**Innovation Patents**

2020104483	2020104484	2021107665	2022100103
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**Offer to Surrender**

It is hereby notified that **Gaming Partners International ZI Beaune-Savigny Lieu-dit La Champagne**, 21420 Savigny Les Beaune, the Patentee of Patent 2005324329 dated 27.09.2012 for an invention titled 'Chip with insert including an electronic microchip' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

It is hereby notified that **Casne Verige Pty Ltd PO Box 2470**, Kent Town SA 5071, the Patentee of Patent 2010206557 dated 11.01.2018 for an invention titled 'Fluid dispenser' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

It is hereby notified that **Gallagher Group Limited 181 Kahikatea Drive**, Hamilton 3206, the Patentee of Patent 2017100835 dated 06.07.2017 for an invention titled 'Securing Device' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

**Assignments Registered**

2004232858	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2004245274	Loadhog Limited	The patent has been assigned to <b>Loadhog Limited</b>
2005292471	Tofco Industries, Inc.	The patent has been assigned to <b>Kold Kart</b>
2005311145	Loadhog Limited	The patent has been assigned to <b>Loadhog Limited</b>
2006279264	Staar Board Holdings Pty Ltd	The patent has been assigned to <b>One Sheet Pty Ltd</b>
2007233231	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2007283498	Loadhog Limited	The patent has been assigned to <b>Loadhog Limited</b>
2008310313	Ena Therapeutics Pty Ltd	The patent has been assigned to <b>Ena Respiratory Pty Ltd</b>
2009202856	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>

**Assignments Registered**

2009290761	Loadhog Limited	The patent has been assigned to <b>Loadhog Limited</b>
2010230796	Wuhan Huali Bio-Material Co., Ltd.	The patent has been assigned to <b>Wuhan Huali Environmental Protection Industry Co., Ltd.</b>
2010270766	AnPac Bio-Medical Science (Shanghai) Co., Ltd.	The patent has been assigned to <b>Changwei System Technology (Shanghai) Co., Ltd.</b>
2010307002	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2010321584	MS Technologies LLC; Bayer CropScience N.V.	The patent has been assigned to <b>MS Technologies LLC; BASF Agricultural Solutions Seed US LLC</b>
2011201473	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2011218339	Anpac Bio-Medical Science Co., Ltd.	The patent has been assigned to <b>Changwei System Technology (Shanghai) Co., Ltd.</b>
2011225102	Mitsubishi Materials Corporation	The patent has been assigned to <b>Mitsubishi UBE Cement Corporation</b>
2011264825	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2011272837	AnPac Bio-Medical Science (Shanghai) Co., Ltd.	The patent has been assigned to <b>Changwei System Technology (Shanghai) Co., Ltd.</b>
2011305061	Ena Therapeutics Pty Ltd	The patent has been assigned to <b>Ena Respiratory Pty Ltd</b>
2012201924	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2012302693	Mitsubishi Materials Corporation	The patent has been assigned to <b>Mitsubishi UBE Cement Corporation</b>
2012361875	Mitsubishi Materials Corporation	The patent has been assigned to <b>Mitsubishi UBE Cement Corporation</b>
2013227605	Mitsubishi Materials Corporation	The patent has been assigned to <b>Mitsubishi UBE Cement Corporation</b>
2013231047	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2013238358	Mitsubishi Materials Corporation	The patent has been assigned to <b>Mitsubishi UBE Cement Corporation</b>
2013313022	Dunlop, Diane	The patent has been assigned to <b>RFDS (Qld) Services Limited</b>
2014202952	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2014232508	Sun Pharma Global FZE	The patent has been assigned to <b>Sun Pharmaceutical Industries Limited</b>
2014274061	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2014277752	Zealand Pharma A/S	The patent has been assigned to <b>MannKind Corporation</b>
2014289320	Innovative Motion GmbH	The patent has been assigned to <b>Thomas, Leberer</b>

**Assignments Registered**

2014298373 Ludwig Institute for Cancer Research Ltd; argenx SE; Universite catholique de Louvain The patent has been assigned to **Ludwig Institute for Cancer Research Ltd; Universite catholique de Louvain; argenx BV**

2014326102 Mitsubishi Materials Corporation The patent has been assigned to **Mitsubishi UBE Cement Corporation**

2015202656 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2015203366 Andritz Frautech S.r.l. The patent has been assigned to **Pietribiasi Frautech S.R.L.**

2015207380 4Wall IP Ltd The patent has been assigned to **4Wall IP DMCC**

2015207890 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2015207984 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2015211045 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2015232784 Mitsubishi Materials Corporation The patent has been assigned to **Mitsubishi UBE Cement Corporation**

2015328359 Eos Energy Storage, LLC The patent has been assigned to **EOS Energy Technology Holdings, LLC**

2015333817 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2015334651 CGG Services SAS The patent has been assigned to **SERCEL SAS**

2015374133 Tofco Industries, Inc. The patent has been assigned to **Kold Kart**

2016216561 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2016235024 AnPac Bio-Medical Science (Shanghai) Co., Ltd. The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**

2016247192 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2016251414 Consort Medical PLC The patent has been assigned to **SHL Medical AG**

2016254913 Pph S. I A. Pietrucha Andrzej Pietrucha The patent has been assigned to **Jerzy Pietrucha BUSINESS ASSETS**

2016287632 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2016324071 Mitsubishi Materials Corporation The patent has been assigned to **Mitsubishi UBE Cement Corporation**

2016325057 Consort Medical plc The patent has been assigned to **SHL Medical AG**

2016365585 Fraundorfer, Christoph The patent has been assigned to **Fraundorfer Aeronautics AG**

2016374872 Repsol, S.A.; Enagas Services Solutions, S.L.U The patent has been assigned to **SUNRGYZE, S.L.**

**Assignments Registered**

2017200348 Anpac Bio-Medical Science Co., Ltd The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**

2017202411 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2017202459 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2017221857 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2017232377 FMC Agricultural Products International AG The patent has been assigned to **FMC AGRO SINGAPORE PTE. LTD.**

2017239900 Mitsubishi Materials Corporation The patent has been assigned to **Mitsubishi UBE Cement Corporation**

2017298360 Eos Energy Storage, LLC The patent has been assigned to **EOS Energy Technology Holdings, LLC**

2017305005 Blue Elegant Biotech Co., Ltd The patent has been assigned to **CAS Lamvac (Guangzhou) Biomedical Technology Co., Ltd.**

2017346790 Meredian Bioplastics, Inc. The patent has been assigned to **Meredian, Inc.**

2017348287 Danimer Bioplastics, Inc. The patent has been assigned to **Meredian, Inc.**

2018241103 Sun Pharma Global FZE The patent has been assigned to **Sun Pharmaceutical Industries Limited**

2018247266 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2019200282 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2019201416 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2019202700 Anpac Bio-Medical Science Co., Ltd. The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**

2019232930 Zealand Pharma A/S The patent has been assigned to **MannKind Corporation**

2020102672 Plant Protection Institute, Guangxi Academy of Agricultural Sciences The patent has been assigned to **Guangxi Qifeng Juzhou Fruit Industry Co., Ltd.**

2020202880 Harris Global Communications, Inc. The patent has been assigned to **L3Harris Technologies, Inc.**

2020270557 BTL Healthcare Technologies a.s. The patent has been assigned to **BTL Medical Solutions a.s.**

2021105690 McLellan, Sophie; McLellan, Jason; Jacobs, Gary; Thomas, Elizabeth The patent has been assigned to **The EduPod Pty Ltd**

**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.

2019203609 **OPKO Biologics Ltd.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The earliest first regulatory approval date provided by the patentee 30 Nov 2021

For the goods NGENLA somatrogen

Extension of Term of patent pursuant to Section 77 expires on 30 Nov 2036

**Corrigenda**

In Vol 36 , No 23 , Page(s) 3218 under the heading **Amendments - Application for Amendments** Delete all reference to 2017229863

In Vol 36 , No 34 , Page(s) 4713 under the heading **Amendments - Application for Amendments** Under the names Novo Nordisk A/S and Yale University, Application No. 2018214554 correct the date of the statements to read 29 Jun 2022 and 08 Aug 2022

**Specifications Republished**

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

2015353705 **Regeneron Pharmaceuticals, Inc.**  
2018359016 **The Brain Protection Company Pty Ltd**  
2019214185 **Huawei Technologies Co., Ltd.**