



**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.

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 4 Oct 2022 .

(71) A1 Engineering & Handling Pty Ltd (21) 2022902925 (22) 07.10.2022 (54) Drag conveyor idler and method for replacing and manufacturing same	(71) Australian Mitigation Engineering Developments Pty Ltd (21) 2022902910 (22) 06.10.2022 (54) A System For Predetermining A Collision Between A Vehicle And An Overhead Structure	PSYCHIATRIC, NEUROLOGICAL AND POST-ENCEPHALITIC DISORDERS
(71) Abtrov Pty Limited (21) 2022902835 (22) 30.09.2022 (54) Filter assembly	(71) AZURA WAVE POWER (NZ) LIMITED (21) 2022902833 (22) 30.09.2022 (54) WAVE ENERGY CONVERTER	(71) Boulos & Cooper Labs Pty Ltd (21) 2022902946 (22) 09.10.2022 (54) SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR IMPROVING SHOPPING EXPERIENCE IN STORES
(71) Actinogen Medical Limited (21) 2022902939 (22) 07.10.2022 (54) Identification of subjects for 11B-HSD1 inhibitor treatment	(71) barnes, d. (21) 2022902964 (22) 10.10.2022 (54) Brush Bag Protector	(71) Breakaway Solutions PTY LTD (21) 2022902953 (22) 10.10.2022 (54) Blind Bumper
(71) Agriculture Victoria Services Pty Ltd (21) 2022902820 (22) 29.09.2022 (54) METHODS OF PLANT MANIPULATION	(71) barnes, d. (21) 2022902965 (22) 10.10.2022 (54) Brush Jacket Protector	(71) Breville Pty Limited (21) 2022902821 (22) 29.09.2022 (54) Tamping mechanism
(71) All Vascular Pty Limited (21) 2022902827 (22) 29.09.2022 (54) CATHETER INTRODUCTION SYSTEM, ACCESS PORTAL, AND CANNULA THEREFOR	(71) barnes, d. (21) 2022902966 (22) 10.10.2022 (54) Silicone Paint Lid	(71) Breville Pty Limited (21) 2022902958 (22) 10.10.2022 (54) Probability-based control of a cooking appliance
(71) Altech Chemicals Australia Pty Ltd (21) 2022902866 (22) 03.10.2022 (54) A Method for the Preparation of Alumina	(71) barnes, d. (21) 2022902967 (22) 10.10.2022 (54) Silicone Storage Solution	(71) Broben, P.; Mulholland, T. (21) 2022902918 (22) 07.10.2022 (54) An Improved Beer Tap Handle and Method for the Use Thereof
(71) ARK HARDWARE PTY LTD (21) 2022902961 (22) 10.10.2022 (54) A PANEL SUPPORT STRUCTURE	(71) Baymatob Pty Ltd (21) 2022902956 (22) 10.10.2022 (54) Method and System for Fetal Movement Monitoring	(71) Brodzeli, Z. (21) 2022902934 (22) 07.10.2022 (54) Optical accelerometer/vibration sensor
(71) ASSA ABLOY New Zealand Limited (21) 2022902877 (22) 04.10.2022 (54) LOCK AND ACCESS CONTROL SYSTEM FOR SLIDING PANEL	(71) BCI Mining Technology Pty Ltd (21) 2022902952 (22) 10.10.2022 (54) Underground development drill boom tracking system	(71) C2 ROBOTICS PTY LTD (21) 2022902865 (22) 03.10.2022 (54) UNMANNED AERIAL VEHICLE
(71) ASSA ABLOY New Zealand Limited (21) 2022902877 (22) 04.10.2022 (54) LOCK AND ACCESS CONTROL SYSTEM FOR SLIDING PANEL	(71) Behavioural Neuroscientific Systems Pty Ltd (21) 2022902889 (22) 05.10.2022 (54) LIGHT-EMITTING APPARATUS FOR TREATING AND/OR DIAGNOSING	

Provisional Applications Filed - Name Index cont'd

(71) Capital & Centric Funding; The Trustee for The Robert and Mona Chiha Family Trust

(21) 2022902884 (22) 04.10.2022  
(54) Process of Minting, Buying, and Selling NFTs for trading shares in trusts of real-world assets.

(71) CASTILLO\_LILAYU, F.  
(21) 2022902853 (22) 02.10.2022  
(54) Rooftop solar PV panels - mobility

Clark, M. see de Salis, A.  
(21) 2022902893

(71) ClearVue Technologies Ltd  
(21) 2022902915 (22) 06.10.2022  
(54) A WINDOW UNIT FOR A BUILDING OR STRUCTURE

(71) Comfiknit Limited  
(21) 2022902911 (22) 06.10.2022  
(54) Moisturising fabric and the use thereof

Cotton Research and Development Corporation see The University of Melbourne  
(21) 2022902858

(71) Cyber Security Research Centre Limited  
(21) 2022902837 (22) 30.09.2022  
(54) Data Sharing Methods

(71) Davidson, N.  
(21) 2022902948 (22) 10.10.2022  
(54) SYSTEM AND METHOD FOR CONDUCTING RAFFLES

(71) Deakin University  
(21) 2022902873 (22) 04.10.2022  
(54) MODULAR EYEWEAR FRAME

(71) de la Motte, L.  
(21) 2022902875 (22) 04.10.2022  
(54) Foldable Monitor-Case

(71) de Salis, A.; Clark, M.  
(21) 2022902893 (22) 05.10.2022  
(54) A gate-operating mechanism

(71) Donewell Data Pty Ltd  
(21) 2022902935 (22) 07.10.2022  
(54) METHODS AND SYSTEMS FOR MAPPING OBJECTS

(71) Dumbrell, R.  
(21) 2022902921 (22) 07.10.2022  
(54) A perineal support garment

(71) EDMS Pty Ltd  
(21) 2022902885 (22) 04.10.2022  
(54) A convertible trailer and storage rack for bicycles

(71) ePrep Pty Ltd  
(21) 2022902870 (22) 04.10.2022  
(54) Controlled atomised droplet Liquid-Liquid Extraction using automated robotic analytical syringes

(71) EQUUS AEROSPACE PTY. LTD.  
(21) 2022902944 (22) 09.10.2022  
(54) The Xemdir Field Generator

(71) Erkelens, M.  
(21) 2022902916 (22) 06.10.2022  
(54) Product-level monitoring for users and vendors

(71) Eudaemon Technologies Pty Ltd  
(21) 2022902927 (22) 07.10.2022  
(54) Modified Hydrogels

(71) Eudaemon Technologies Pty Ltd  
(21) 2022902928 (22) 07.10.2022  
(54) Method for improving the properties of a Hydrogel

(71) European Metals Holdings Ltd  
(21) 2022902883 (22) 04.10.2022  
(54) Method and system for treatment of lithiferous ore

(71) Farren-Price, B.  
(21) 2022902917 (22) 07.10.2022  
(54) A WAVE ENERGY APPARATUS

(71) Faulkner, A.  
(21) 2022902825 (22) 29.09.2022  
(54) Ammonia Combustion Process

(71) Fibishenko, A.  
(21) 2022902890 (22) 05.10.2022  
(54) ZYGOMAX™ Zygoma implant soft-contoured shaft design and collar/platform offset

(71) Flame Security International Pty Ltd  
(21) 2022902920 (22) 07.10.2022  
(54) Paint composition

(71) Garner, B.  
(21) 2022902856 (22) 03.10.2022  
(54) Toy

(71) Garvan Institute of Medical Research  
(21) 2022902836 (22) 30.09.2022  
(54) SARS-CoV-2 antibodies

(71) Great Wrap Pty Ltd  
(21) 2022902824 (22) 29.09.2022  
(54) Plastic compositions

(71) GREEN TECH SUPER COOLING SYSTEMS PTY LTD  
(21) 2022902838 (22) 30.09.2022  
(54) DEVICE, SYSTEM AND METHOD FOR PRESERVATION OF PERISHABLES

(71) Griffith Air Partners Pty Ltd  
(21) 2022902834 (22) 30.09.2022  
(54) AN IMPROVED TRANSMITTER COIL

(71) Hardfacing Industries WA Pty Ltd  
(21) 2022902869 (22) 03.10.2022  
(54) SYSTEM AND METHOD FOR AUTOMATICALLY LIMITING MOBILE DEVICE FUNCTIONALITY

(71) Hawthorne Holdings Pty Ltd  
(21) 2022902897 (22) 05.10.2022  
(54) AN ACCESS CHAMBER

(71) Hazeldine, M.  
(21) 2022902886 (22) 05.10.2022  
(54) Locomotive Power System and Method

(71) Huang, V.  
(21) 2022902909 (22) 06.10.2022  
(54) Battery recycling

(71) Hurley, V.  
(21) 2022902926 (22) 07.10.2022  
(54) Aerodynamic Air Flow E Aerodynamic EV Charging

(71) Hutton, D.  
(21) 2022902892 (22) 05.10.2022  
(54) MODIFIED WALKING FLOOR TRAILER TO ENABLE THE LOADING OF UNCONVENTIONAL PRODUCTS

(71) IGO Limited  
(21) 2022902923 (22) 07.10.2022  
(54) Method for the Optimisation of Feed for Downstream Processing

(71) Infinity Greentech Pty Ltd  
(21) 2022902816 (22) 29.09.2022  
(54) A Process for Producing Lithium Salts

Provisional Applications Filed - Name Index cont'd

(71) INNOVATIVE BLASTING TECHNOLOGIES PTY. LTD.

(21) 2022902942 (22) 09.10.2022  
(54) Gyro Feeder

(71) Ionised Technologies Pty Ltd

(21) 2022902871 (22) 04.10.2022  
(54) Plasma-treated particles

(71) IP Reserve Pty Ltd

(21) 2022902957 (22) 10.10.2022  
(54) A PALLET

(71) IP Reserve Pty Ltd

(21) 2022902959 (22) 10.10.2022  
(54) A PALLET

(71) James Cook University

(21) 2022902888 (22) 05.10.2022  
(54) PYRANOSIDE COMPOUNDS AND METHODS

(71) Kaila, N.; Veerman, R.

(21) 2022902868 (22) 03.10.2022  
(54) Passive Grey Water Recycling Device for use with Toilets

(71) Keyzell Holding S.L.

(21) 2022902823 (22) 29.09.2022  
(54) Compositions for the treatment and prevention of cancer

(71) KIEL, R.

(21) 2022902903 (22) 06.10.2022  
(54) A CONTROL DEVICE FOR THE THIRD PARTY MONITORING OF UNSCHEDULED POWER GENERATION

**La Trobe University see Quantum Brilliance Pty Ltd**

(21) 2022902826

(71) Lava Blue Ltd

(21) 2022902817 (22) 29.09.2022  
(54) A METHOD FOR PRODUCING AN ALUMINOUS MATERIAL

(71) Legal Aspirations Pty Ltd

(21) 2022902960 (22) 10.10.2022  
(54) Method and system for generating family law consent orders

**Levis, J. see Mahoney, P.**

(21) 2022902844

(71) Mahoney, P.; Levis, J.

(21) 2022902844 (22) 30.09.2022  
(54) Hydrolysed Whey Protein Gummies

(71) Majkic, B.

(21) 2022902830 (22) 30.09.2022  
(54) Campers Hut

(71) Majkic, B.

(21) 2022902842 (22) 30.09.2022  
(54) Bogdan's Wind-Guard Turbine

(71) MAMMOTH INDUSTRIES PTY LTD

(21) 2022902822 (22) 29.09.2022  
(54) REVERSIBLE BIFOLD DOOR ROLLER ASSEMBLY

(71) Marquis Macadamias Ltd

(21) 2022902818 (22) 29.09.2022  
(54) NUT SHELLING MACHINE AND METHOD

(71) Marvell, J.

(21) 2022902849 (22) 01.10.2022  
(54) Sliding multi hook attachment for use in ratchet strap tie downs.

(71) Massey, G.

(21) 2022902857 (22) 03.10.2022  
(54) Asset Control System and Method

(71) MATTHEWS, A.

(21) 2022902924 (22) 07.10.2022  
(54) self charging battery

(71) McKenzie, R.

(21) 2022902860 (22) 03.10.2022  
(54) A Device to help me to get the person onto a lifting device

(71) MCPHEE, T.A.

(21) 2022902941 (22) 09.10.2022  
(54) Crocodile Arrester This is going to be a mobile phone holder specifically designed to go on the side of a baby's change tables to distract them allowing enough time for the nappies or the clothes to be changed. It will be extruded plastic with a clear front to stop the baby from stopping there favorite wiggles nursery rhyme.

(71) Medicotec

(21) 2022902940 (22) 08.10.2022  
(54) Novel methods for electronic patient monitoring using artificial intelligence and clinical scoring systems.

(71) Miruku Limited

(21) 2022902861 (22) 03.10.2022  
(54) Methods and compositions for producing plant-based dairy product substitutes

(71) Miruku Limited

(21) 2022902862 (22) 03.10.2022  
(54) Methods and compositions for production of plant-based dairy product substitutes

(71) Miruku Limited

(21) 2022902863 (22) 03.10.2022  
(54) Methods and compositions for use in producing plant-based dairy product substitutes

(71) Modra, C.

(21) 2022902900 (22) 05.10.2022  
(54) Close proximity mounting system for Plantation Shutters

**Mulholland, T. see Broben, P.**

(21) 2022902918

(71) Nelson, P.

(21) 2022902878 (22) 04.10.2022  
(54) SYSTEM AND METHOD

(71) Neurotech International Ltd

(21) 2022902914 (22) 06.10.2022  
(54) Methods for treating paediatric neurological disorders

(71) NOJA POWER SWITCHGEAR PTY LTD

(21) 2022902949 (22) 10.10.2022  
(54) Recloser Mechanism

(71) NOJA POWER SWITCHGEAR PTY LTD

(21) 2022902950 (22) 10.10.2022  
(54) Manual Operation Assembly

(71) NOJA POWER SWITCHGEAR PTY LTD

(21) 2022902951 (22) 10.10.2022  
(54) Single Coil Bistable Actuator

(71) Nomad Tackle Pty Ltd

(21) 2022902937 (22) 07.10.2022  
(54) SQUID LURE FOR FISHING

(71) Orica International Pte Ltd

(21) 2022902919 (22) 07.10.2022  
(54) ELECTRONIC DEVICE

(71) Paththamperuma, T.

(21) 2022902852 (22) 02.10.2022  
(54) A cap that can expand its brim into a hat

Provisional Applications Filed - Name Index cont'd

(71) Pemberton, C.  
(21) 2022902829 (22) 30.09.2022  
(54) Novel Biomarker of Acute Coronary Syndromes

(71) Perren-Leveridge, W.  
(21) 2022902850 (22) 01.10.2022  
(54) CENTRAL LOCKING ASSEMBLY FOR COMPRESSION LOCK

(71) PJD ENTERPRISES PTY. LTD.  
(21) 2022902947 (22) 09.10.2022  
(54) ELECTRIC INSTANTANOUS HOT WATER HEATER AS BOOSTER ON HOT WATER SUPPLY PIPEWORK TO FIXTURES AND TAPWARE

(71) Power Application Pty Ltd T/A Powerapp Corporation  
(21) 2022902843 (22) 30.09.2022  
(54) a method of delivering the electric charges to the customer's chosen location with the assistance of the courier and related systems and methods and to ensure timely and efficient delivery.

(71) PV Industries Pty Ltd; Sandrick Engineering  
(21) 2022902933 (22) 07.10.2022  
(54) Frame Removal Device

(71) QHEART MEDICAL PTY LTD  
(21) 2022902845 (22) 01.10.2022  
(54) intraluminal balloon stent

(71) Quad S Controls Pty Ltd  
(21) 2022902908 (22) 06.10.2022  
(54) Valve flushing arrangement

(71) Quantum Brilliance Pty Ltd; Royal Melbourne Institute of Technology; La Trobe University  
(21) 2022902826 (22) 29.09.2022  
(54) Atomic scale fabrication of diamond quantum computers

(71) R.I. PTY LTD; Zekitek Pty Ltd  
(21) 2022902894 (22) 05.10.2022  
(54) Portable Power Hub

(71) Rapid Phenotyping Pty Ltd  
(21) 2022902905 (22) 06.10.2022  
(54) Multiplexing Optical Element and Uses Thereof

(71) Reschke, D.  
(21) 2022902891 (22) 05.10.2022  
(54) Product Authentication Code and System

(71) ResMed Pty Ltd  
(21) 2022902931 (22) 07.10.2022  
(54) Head Mounted Display Unit and Interfacing Structures Therefor

(71) Rioflex IP Pty Ltd  
(21) 2022902831 (22) 30.09.2022  
(54) IMPROVED REINFORCEMENT CHAIR

(71) Ritchie Technology Pty Ltd  
(21) 2022902963 (22) 10.10.2022  
(54) Method and device for continuous direct recycling of plastic waste

(71) Robin Lowenstein  
(21) 2022902913 (22) 06.10.2022  
(54) Mass large scale production and re-manufacture to reuse and repurpose used and or recyclable components to produce an Air compressor for various applications and industries.

**Royal Melbourne Institute of Technology see Quantum Brilliance Pty Ltd**  
(21) 2022902826

(71) Saluda Medical Pty Ltd  
(21) 2022902847 (22) 01.10.2022  
(54) Improved measurement of evoked neural response characteristics

**Sandrick Engineering see PV Industries Pty Ltd**  
(21) 2022902933

(71) Sayco Pty Ltd  
(21) 2022902906 (22) 06.10.2022  
(54) PESSARY WITH REMOVAL FEATURE

(71) Sayers, W.  
(21) 2022902932 (22) 07.10.2022  
(54) Portable fire shield apparatus

(71) Scolaro, A.  
(21) 2022902851 (22) 02.10.2022  
(54) A Power Drive

(71) Scolaro, A.  
(21) 2022902854 (22) 03.10.2022  
(54) A Power Drive

(71) Scolaro, A.  
(21) 2022902901 (22) 05.10.2022  
(54) A Concept for a Power Drive

(71) Scolaro, A.  
(21) 2022902922 (22) 07.10.2022  
(54) A Power Drive

(71) Scolaro, A.  
(21) 2022902945 (22) 09.10.2022  
(54) A Concept for a Power Drive

(71) Scurrah, M.  
(21) 2022902867 (22) 03.10.2022  
(54) Process for tokenising Identification Document Numbers

(71) Share Chain Pty Ltd  
(21) 2022902968 (22) 10.10.2022  
(54) Asset Management Funds utilising blockchain technology to buy and sell shares within a unit trust.

(71) Sharkis, A.  
(21) 2022902929 (22) 07.10.2022  
(54) A propulsion system

(71) Shingleback Off Road Pty Ltd  
(21) 2022902855 (22) 03.10.2022  
(54) VEHICLE MOUNTED TRANSPORTATION RACK

(71) Sicona Battery Technologies Pty Ltd  
(21) 2022902954 (22) 10.10.2022  
(54) A method of producing nano-silicon

(71) Silicon Quantum Computing Pty Ltd.  
(21) 2022902912 (22) 06.10.2022  
(54) Advanced quantum processing systems

(71) Silver City Mining Co. Limited  
(21) 2022902882 (22) 04.10.2022  
(54) PROCESS AND USE THEREOF

(71) Sound Jewels  
(21) 2022902899 (22) 05.10.2022  
(54) Jewels with an engraved QR code that stores a special memory

(71) STONE, A.  
(21) 2022902828 (22) 29.09.2022  
(54) Recyclable cardboard or plastic paint pot cover with a centre insert for a paint brush

(71) SurfSAFE Pty Ltd  
(21) 2022902895 (22) 05.10.2022  
(54) Shark control device

(71) Systems IP Pty Ltd  
(21) 2022902938 (22) 07.10.2022  
(54) Universal Connector

Provisional Applications Filed - Name Index cont'd

(71) TechM8 Solutions Pty Ltd  
 (21) 2022902943 (22) 09.10.2022  
 (54) Online directory and or database for the purpose of storing business information relating to instore sales accessed via a mobile application.

(71) Tepy Pty Ltd  
 (21) 2022902887 (22) 05.10.2022  
 (54) SOUNDLESS SPEECH RECOGNITION METHOD, SYSTEM AND DEVICE

(71) The New Zealand Institute for Plant and Food Research Limited  
 (21) 2022902880 (22) 04.10.2022  
 (54) PURIFICATION METHODS

(71) The Trustee for E3bates Discretionary Trust  
 (21) 2022902846 (22) 01.10.2022  
 (54) Modified Tongs

**The Trustee for The Robert and Mona Chiha Family Trust see Capital & Centric Funding**  
 (21) 2022902884

(71) The University of Adelaide  
 (21) 2022902879 (22) 04.10.2022  
 (54) HYBRID ELECTROLYTE SOLUTIONS FOR ELECTROCHEMICAL DEVICES WITH A WIDE OPERATING TEMPERATURE RANGE AND PREPARATION METHOD THEREOF

(71) The University of Melbourne  
 (21) 2022902840 (22) 30.09.2022  
 (54) Anatomically-based force sensor model and system

(71) The University of Melbourne; Cotton Research and Development Corporation  
 (21) 2022902858 (22) 03.10.2022  
 (54) SYSTEM AND METHOD OF CONTROLLING WATER EVAPORATION

(71) The University of Melbourne  
 (21) 2022902930 (22) 07.10.2022  
 (54) Piezoelectric Dental Surgical Tool and Method of Use

(71) The University of Queensland  
 (21) 2022902876 (22) 04.10.2022  
 (54) Method of detection

(71) The University of Queensland  
 (21) 2022902896 (22) 05.10.2022  
 (54) Apparatus and Process for Secure Communications

(71) The University of Sydney  
 (21) 2022902864 (22) 03.10.2022  
 (54) Composite coagulants

(71) The Walter and Eliza Hall Institute of Medical Research  
 (21) 2022902902 (22) 06.10.2022  
 (54) Cell therapy

(71) tintarella  
 (21) 2022902815 (22) 29.09.2022  
 (54) Slimming shimmer tanning oil

(71) Touchlight Aquaculture Limited  
 (21) 2022902819 (22) 29.09.2022  
 (54) Vaccine construct and uses thereof

(71) Turbosmart Pty Limited  
 (21) 2022902955 (22) 10.10.2022  
 (54) Oil pressure regulator

(71) Uniquip Group Pty Ltd  
 (21) 2022902936 (22) 07.10.2022  
 (54) Electrical Switch

(71) University of Tasmania  
 (21) 2022902904 (22) 06.10.2022  
 (54) Oscillating water column pump

(71) University of Technology Sydney  
 (21) 2022902832 (22) 30.09.2022  
 (54) A method for preparing and selecting a polymeric flocculant for use in harvesting microalgae

(71) Varden Process Pty Ltd  
 (21) 2022902962 (22) 10.10.2022  
 (54) A Process for Forming a Moulded Pulp Fibre Product

(71) Varden Process Pty Ltd  
 (21) 2022902969 (22) 10.10.2022  
 (54) Capsule for use in preparing a beverage

**Veerman, R. see Kaila, N.**  
 (21) 2022902868

(71) Webber, G.  
 (21) 2022902848 (22) 01.10.2022  
 (54) Semi submersible structure for generating electricity from waves

(71) WIREMAN PTY LIMITED  
 (21) 2022902874 (22) 04.10.2022  
 (54) An Agricultural Fence Post Coupling Tube

(71) XEFCO PTY LTD  
 (21) 2022902907 (22) 06.10.2022  
 (54) METHODS AND SYSTEMS FOR PLASMA COLOURATION AND PIGMENT FIXATION

(71) xReality Group Ltd  
 (21) 2022902839 (22) 30.09.2022  
 (54) Sensor system

(71) xReality Group Ltd  
 (21) 2022902841 (22) 30.09.2022  
 (54) Virtual reality system

(71) Yates, W.  
 (21) 2022902881 (22) 04.10.2022  
 (54) A FLAG DEPLOYMENT APPARATUS AND METHOD OF USE THEREOF

(71) York, P.  
 (21) 2022902898 (22) 05.10.2022  
 (54) A gameplay VR rendering system

(71) Your Game Pty Ltd  
 (21) 2022902859 (22) 03.10.2022  
 (54) CAMERA SYSTEM FOR AUTOMATIC PRODUCTION OF SPORT VIDEOS

**Zekitek Pty Ltd see R.I. PTY LTD**  
 (21) 2022902894

(71) Zip Heaters (Aust) Pty Ltd  
 (21) 2022902872 (22) 04.10.2022  
 (54) A system for cleansing a fluid pathway in a fluid dispensing assembly

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2022902815	tintarella	2022902880	The New Zealand Institute for Plant and Food Research Limited
2022902816	Infinity Greentech Pty Ltd	2022902881	Yates, W.
2022902817	Lava Blue Ltd	2022902882	Silver City Mining Co. Limited
2022902818	Marquis Macadamias Ltd	2022902883	European Metals Holdings Ltd
2022902819	Touchlight Aquaculture Limited	2022902884	Capital & Centric Funding; The Trustee for The Robert and Mona Chiha Family Trust
2022902820	Agriculture Victoria Services Pty Ltd	2022902885	EDMS Pty Ltd
2022902821	Breville Pty Limited	2022902886	Hazeldine, M.
2022902822	MAMMOTH INDUSTRIES PTY LTD	2022902887	Tepy Pty Ltd
2022902823	Keyzell Holding S.L.	2022902888	James Cook University
2022902824	Great Wrap Pty Ltd	2022902889	Behavioural Neuroscientific Systems Pty Ltd
2022902825	Faulkner, A.	2022902890	Fibishenko, A.
2022902826	Quantum Brilliance Pty Ltd; Royal Melbourne Institute of Technology; La Trobe University	2022902891	Reschke, D.
2022902827	All Vascular Pty Limited	2022902892	Hutton, D.
2022902828	STONE, A.	2022902893	de Salis, A.; Clark, M.
2022902829	Pemberton, C.	2022902894	R.I. PTY LTD; Zekitek Pty Ltd
2022902830	Majkic, B.	2022902895	Surfsafe Pty Ltd
2022902831	Rioflex IP Pty Ltd	2022902896	The University of Queensland
2022902832	University of Technology Sydney	2022902897	Hawthorne Holdings Pty Ltd
2022902833	AZURA WAVE POWER (NZ) LIMITED	2022902898	York, P.
2022902834	Griffith Air Partners Pty Ltd	2022902899	Sound Jewels
2022902835	Abtrov Pty Limited	2022902900	Modra, C.
2022902836	Garvan Institute of Medical Research	2022902901	Scolaro, A.
2022902837	Cyber Security Research Centre Limited	2022902902	The Walter and Eliza Hall Institute of Medical Research
2022902838	GREEN TECH SUPER COOLING SYSTEMS PTY LTD	2022902903	KIEL, R.
2022902839	xReality Group Ltd	2022902904	University of Tasmania
2022902840	The University of Melbourne	2022902905	Rapid Phenotyping Pty Ltd
2022902841	xReality Group Ltd	2022902906	Sayco Pty Ltd
2022902842	Majkic, B.	2022902907	XEFCO PTY LTD
2022902843	Power Application Pty Ltd T/A Powerapp Corporation	2022902908	Quad S Controls Pty Ltd
2022902844	Mahoney, P.; Levis, J.	2022902909	Huang, V.
2022902845	QHEART MEDICAL PTY LTD	2022902910	Australian Mitigation Engineering Developments Pty Ltd
2022902846	The Trustee for E3bates Discretionary Trust	2022902911	Comfknit Limited
2022902847	Saluda Medical Pty Ltd	2022902912	Silicon Quantum Computing Pty Ltd.
2022902848	Webber, G.	2022902913	Robin Lowenstein
2022902849	Marvell, J.	2022902914	Neurotech International Ltd
2022902850	Perren-Leveridge, W.	2022902915	ClearVue Technologies Ltd
2022902851	Scolaro, A.	2022902916	Erkelens, M.
2022902852	Paththamperuma, T.	2022902917	Farren-Price, B.
2022902853	CASTILLO_LILAYU, F.	2022902918	Broben, P.; Mulholland, T.
2022902854	Scolaro, A.	2022902919	Orica International Pte Ltd
2022902855	Shingleback Off Road Pty Ltd	2022902920	Flame Security International Pty Ltd
2022902856	Garner, B.	2022902921	Dumbrell, R.
2022902857	Massey, G.	2022902922	Scolaro, A.
2022902858	The University of Melbourne; Cotton Research and Development Corporation	2022902923	IGO Limited
2022902859	Your Game Pty Ltd	2022902924	MATTHEWS, A.
2022902860	McKenzie, R.	2022902925	A1 Engineering & Handling Pty Ltd
2022902861	Miruku Limited	2022902926	Hurley, V.
2022902862	Miruku Limited	2022902927	Eudaemon Technologies Pty Ltd
2022902863	Miruku Limited	2022902928	Eudaemon Technologies Pty Ltd
2022902864	The University of Sydney	2022902929	Sharkis, A.
2022902865	C2 ROBOTICS PTY LTD	2022902930	The University of Melbourne
2022902866	Altech Chemicals Australia Pty Ltd	2022902931	ResMed Pty Ltd
2022902867	Scurrah, M.	2022902932	Sayers, W.
2022902868	Kaila, N.; Veerman, R.	2022902933	PV Industries Pty Ltd; Sandrick Engineering
2022902869	Hardfacing Industries WA Pty Ltd	2022902934	Brodzeli, Z.
2022902870	ePrep Pty Ltd	2022902935	Donewell Data Pty Ltd
2022902871	Ionised Technologies Pty Ltd	2022902936	Uniquip Group Pty Ltd
2022902872	Zip Heaters (Aust) Pty Ltd	2022902937	Nomad Tackle Pty Ltd
2022902873	Deakin University	2022902938	Systems IP Pty Ltd
2022902874	WIREMAN PTY LIMITED	2022902939	Actinogen Medical Limited
2022902875	de la Motte, L.	2022902940	Medicotec
2022902876	The University of Queensland	2022902941	MCPHEE, T.A.
2022902877	ASSA ABLOY New Zealand Limited	2022902942	INNOVATIVE BLASTING TECHNOLOGIES PTY. LTD.
2022902878	Nelson, P.	2022902943	TechM8 Solutions Pty Ltd
2022902879	The University of Adelaide	2022902944	EQUUS AEROSPACE PTY. LTD.
		2022902945	Scolaro, A.



## Provisional Applications Filed - Numerical Index cont'd

2022902946	Boulos & Cooper Labs Pty Ltd
2022902947	PJD ENTERPRISES PTY. LTD.
2022902948	Davidson, N.
2022902949	NOJA POWER SWITCHGEAR PTY LTD
2022902950	NOJA POWER SWITCHGEAR PTY LTD
2022902951	NOJA POWER SWITCHGEAR PTY LTD
2022902952	BCI Mining Technology Pty Ltd
2022902953	Breakaway Solutions PTY LTD
2022902954	Sicona Battery Technologies Pty Ltd
2022902955	Turbosmart Pty Limited
2022902956	Baymatob Pty Ltd
2022902957	IP Reserve Pty Ltd
2022902958	Breville Pty Limited
2022902959	IP Reserve Pty Ltd
2022902960	Legal Aspirations Pty Ltd
2022902961	ARK HARDWARE PTY LTD
2022902962	Varden Process Pty Ltd
2022902963	Ritchie Technology Pty Ltd
2022902964	barnes, d.
2022902965	barnes, d.
2022902966	barnes, d.
2022902967	barnes, d.
2022902968	Share Chain Pty Ltd
2022902969	Varden Process Pty Ltd

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Oct 2022 .

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

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(71) 1789703 Ontario Ltd.  
 (21) 2022241479 (22) 27.09.2022  
 (54) Explorative sampling of natural mineral resource deposits  
 (62) 2016374602

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(71) AbbVie Inc.  
 (21) 2022241500 (22) 28.09.2022  
 (54) Topical formulation  
 (62) 2020260396

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(71) ABL Bio Inc.  
 (21) 2022241522 (22) 28.09.2022  
 (54) BISPECIFIC ANTIBODY TO A-SYN/IGF1R AND USE THEREOF  
 (62) 2018385230

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(71) Actimed Therapeutics Ltd  
 (21) 2022241499 (22) 28.09.2022  
 (54) S-ENANTIOMERICALLY ENRICHED COMPOSITIONS OF BETA BLOCKERS FOR TREATING MUSCLE WEAKNESS  
 (62) 2017224965

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(71) Actimed Therapeutics Ltd  
 (21) 2022241503 (22) 28.09.2022  
 (54) S-ENANTIOMERICALLY ENRICHED COMPOSITIONS OF BETA BLOCKERS FOR TREATING MUSCLE WEAKNESS  
 (62) 2017224965

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(71) ADA Cosmetics International GmbH  
 (21) 2022241530 (22) 29.09.2022  
 (54) Wall-Mounted Metering Dispenser  
 (31) 10 2021 126 805.2 (32) 15.10.21 (33) DE

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(71) AHF, LLC  
 (21) 2022241589 (22) 30.09.2022  
 (54) UV CURABLE ABRASION RESISTANT COATING  
 (62) 2017338831

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(71) Alarm.com Incorporated  
 (21) 2022241548 (22) 29.09.2022  
 (54) DETECTION OF AUTHORIZED USER PRESENCE AND HANDLING OF UN-AUTHENTICATED MONITORING SYSTEM COMMANDS  
 (62) 2017363273

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(71) Alcon Inc.  
 (21) 2022241524 (22) 28.09.2022  
 (54) OPHTHALMIC LENS HAVING AN EXTENDED DEPTH OF FOCUS  
 (62) 2017225591

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(71) ALOYS INC.  
 (21) 2022241602 (22) 30.09.2022  
 (54) Contents navigation method for OTT service of heterogeneous contents  
 (31) 10-2022-0104695 (32) 22.08.22 (33) KR

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(71) Amgen Inc.  
 (21) 2022241573 (22) 29.09.2022  
 (54) Antigen Binding Proteins to Proprotein Convertase Subtilisin Kexin Type 9 (PCSK9)  
 (62) 2020220098

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(71) Ampersand Biopharmaceuticals, LLC; Sand, B.  
 (21) 2022241559 (22) 29.09.2022  
 (54) PARENTERAL NON-SYSTEMIC ADMINISTRATION OF BUFFERING AGENTS FOR INHIBITING METASTASIS OF SOLID TUMORS, HYPERPIGMENTATION AND GOUT  
 (62) 2018255294

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(71) Angel Group Co., Ltd.  
 (21) 2022241478 (22) 27.09.2022  
 (54) A device for exchanging gaming chips and cash currency  
 (62) 2019287988

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(71) Angel Group Co., Ltd.  
 (21) 2022241498 (22) 28.09.2022  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (62) 2021201556

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(71) Angel Group Co., Ltd.  
 (21) 2022241547 (22) 29.09.2022  
 (54) Game token management system  
 (62) 2021202571

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(71) Apple Inc.  
 (21) 2022241590 (22) 30.09.2022  
 (54) Methods and interfaces for home media control  
 (62) 2022200901

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(71) Arbutus Biopharma Corporation  
 (21) 2022241505 (22) 28.09.2022  
 (54) LIVER SCREENING METHOD  
 (62) 2020202365

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(71) ARC BIO, LLC  
 (21) 2022241472 (22) 27.09.2022  
 (54) Systems and methods for genomic analysis  
 (62) 2016301354

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(71) Aristocrat Technologies, Inc.  
 (21) 2022241575 (22) 29.09.2022  
 (54) GAME OF CHANCE WITH MULTI-LEVEL FRENZY MODE AND SYSTEMS FOR PROVIDING THE SAME  
 (31) 17/449,633 (32) 30.09.21 (33) US

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(71) Aristocrat Technologies, Inc.  
 (21) 2022241576 (22) 29.09.2022  
 (54) SYSTEMS AND METHODS FOR PROVIDING AN INSTANT FEATURE IN ELECTRONIC GAMING  
 (31) 17/710,267 (32) 31.03.22 (33) US  
 63/250,680 30.09.21 US

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(71) Aristocrat Technologies, Inc.  
 (21) 2022241577 (22) 29.09.2022  
 (54) DOOR LOCKING ASSEMBLY FOR A BUTTON DECK OF AN ELECTRONIC GAMING MACHINE  
 (31) 17/865,016 (32) 14.07.22 (33) US  
 63/250,736 30.09.21 US

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2022241516 (22) 28.09.2022  
 (54) GAMING DEVICE WITH WAGER OPTIONS ASSOCIATED WITH TRIGGER SYMBOL VERSIONS

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(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2022241574 (22) 29.09.2022  
 (54) SYSTEM AND METHOD OF PROVIDING A HOLD-AND-SPIN GAME WITH CONFIGURABLE SYMBOL SPLITTING  
 (31) 202141044425 (32) 30.09.21 (33) IN  
 17/709,117 30.03.22 US

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Complete Applications Filed - Name Index cont'd

(71) Aurigene Discovery Technologies Limited

(21) 2022241543 (22) 29.09.2022

(54) 1,2,4-oxadiazole derivatives as immunomodulators

(62) 2020239615

(71) Becton, Dickinson and Company

(21) 2022241532 (22) 29.09.2022

(54) Methods for expression profile classification

(62) 2017359048

(71) Beijing Baidu Netcom Science Technology Co., Ltd.

(21) 2022241510 (22) 28.09.2022

(54) Method and apparatus for calibrating quantum measurement device, electronic device, and medium

(31) 202111154131.1 (32) 29.09.21 (33) CN

(71) Benitec IP Holdings Inc.

(21) 2022241489 (22) 27.09.2022

(54) Reagents for treatment of hepatitis B virus (HBV) infection and use thereof

(62) 2017260580

(71) Bracco Diagnostics Inc.

(21) 2022241511 (22) 28.09.2022

(54) Systems and techniques for generating, infusing, and controlling radioisotope delivery

(62) 2017332261

(71) BrainChip, Inc.

(21) 2022241541 (22) 29.09.2022

(54) EVENT-BASED CLASSIFICATION OF FEATURES IN A RECONFIGURABLE AND TEMPORALLY CODED CONVOLUTIONAL SPIKING NEURAL NETWORK

(62) 2020315983

(71) Brellock Enterprises Pty Ltd

(21) 2022241601 (22) 30.09.2022

(54) Locking Device

(62) 2016269560

(71) Breville USA, Inc.

(21) 2022241549 (22) 29.09.2022

(54) Food preparation control system

(62) 2016295396

(71) BRNC Industries Pty Ltd

(21) 2022241593 (22) 30.09.2022

(54) Magnetic Camera Mount

(62) 2021209183

(71) CareFusion 303, Inc.

(21) 2022241565 (22) 29.09.2022

(54) Reconstitution device for IV fluids and method of use

(62) 2017299427

(71) Caterpillar Global Mining Equipment LLC

(21) 2022241542 (22) 29.09.2022

(54) ROPE TENSIONING SYSTEM FOR DRILLING RIG

(31) 17/502,912 (32) 15.10.21 (33) US

(71) CCIP Pty Ltd; KRBIP Pty Ltd

(21) 2022241583 (22) 30.09.2022

(54) Trailer and stairs

(71) Cell Cure Neurosciences Ltd.

(21) 2022241570 (22) 29.09.2022

(54) Preparation of photoreceptors for the treatment of retinal diseases

(62) 2016303631

(71) Chance Line Industrial Co., Ltd.

(21) 2022241487 (22) 27.09.2022

(54) Textile for supporting human motor organs and supportive thermoprinting material

(31) 110139391 (32) 22.10.21 (33) TW

(71) CloudSeq Pte Ltd

(21) 2022241571 (22) 29.09.2022

(54) Methods and systems for generating workflows for analysing large data sets

(62) 2015414467

(71) CNH Industrial America LLC

(21) 2022241554 (22) 29.09.2022

(54) System and method for destroying seeds in crop residue prior to discharge from agricultural harvester

(62) 2018204474

(71) ConMed Corporation

(21) 2022241568 (22) 29.09.2022

(54) LIGAMENT REVISION SYSTEM

(62) 2019295521

(71) Cordance Medical Inc.

(21) 2022241580 (22) 30.09.2022

(54) ULTRASOUND GUIDED OPENING OF BLOOD-BRAIN BARRIER

(62) 2017305228

(71) Cyplex Pty Limited

(21) 2022241591 (22) 30.09.2022

(54) Hangsell Display

(31) 2021903282 (32) 12.10.21 (33) AU

(71) Cytroniq Co., Ltd.

(21) 2022241564 (22) 29.09.2022

(54) SYSTEM AND METHOD FOR PROVIDING INFORMATION ON FUEL

SAVINGS, SAFE OPERATION, AND MAINTENANCE BY REAL-TIME PREDICTIVE MONITORING AND PREDICTIVE CONTROLLING OF AERODYNAMIC AND HYDRODYNAMIC ENVIRONMENTAL INTERNAL/EXTERNAL FORCES, HULL STRESSES, MOTION WITH SIX DEGREES OF FREEDOM, AND THE LOCATION OF MARINE STRUCTURE

(62) 2020204051

(71) Diametros Medical S.r.l.

(21) 2022241605 (22) 30.09.2022

(54) Interspinous vertebral distractor

(71) Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)

(21) 2022241513 (22) 28.09.2022

(54) Transformer-based shape models

(31) 63/251,483 (32) 01.10.21 (33) US 17/675,713 18.02.22 US

(71) DLT Group Pty Ltd

(21) 2022241508 (22) 28.09.2022

(54) Two Position Mount for a Snowboard Binding

(62) 2021221821

(71) Dolby International AB

(21) 2022241538 (22) 29.09.2022

(54) Complex Exponential Modulated Filter Bank for High Frequency Reconstruction or Parametric Stereo

(62) 2021204773

(71) Dolby International AB

(21) 2022241544 (22) 29.09.2022

(54) Efficient combined harmonic transposition

(62) 2021200726

(71) Dolby International AB

(21) 2022241555 (22) 29.09.2022

(54) Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter

(62) 2021204569

(71) ENVISION VR PTY LTD

(21) 2022241539 (22) 29.09.2022

(54) TECHNOLOGY CONFIGURED TO FACILITATE CLIENT DEVICE ENGAGEMENT WITH THREE-DIMENSIONAL ARCHITECTURAL MODELS

(62) 2021240311, 2021240312

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

(21) 2022241513

Complete Applications Filed - Name Index cont'd

- (71) Evogene Ltd.  
(21) 2022241523 (22) 28.09.2022  
(54) Isolated polynucleotides and polypeptides, and methods of using same for increasing plant yield and/or agricultural characteristics  
(62) 2020203837
- 
- (71) Evolved by Nature, Inc.  
(21) 2022241483 (22) 27.09.2022  
(54) SILK PERFORMANCE APPAREL AND PRODUCTS AND METHODS OF PREPARING THE SAME  
(62) 2016294611
- 
- (71) F. Hoffmann-La Roche AG  
(21) 2022241561 (22) 29.09.2022  
(54) Dosage form compositions comprising an inhibitor of Bruton's tyrosine kinase  
(62) 2017227929
- 
- (71) Fisher & Paykel Healthcare Limited  
(21) 2022241569 (22) 29.09.2022  
(54) A patient interface  
(62) 2020257153
- 
- (71) Flexible Steel Lacing Company  
(21) 2022241535 (22) 29.09.2022  
(54) CONVEYOR BELT CLEANER  
(62) 2020250210
- 
- (71) FORMA Therapeutics, Inc.  
(21) 2022241506 (22) 28.09.2022  
(54) Pyrrolopyrrole compositions as pyruvate kinase (PKR) activators  
(62) 2021201244
- 
- (71) Foundation Medicine, Inc.  
(21) 2022241527 (22) 28.09.2022  
(54) Optimization of multigene analysis of tumor samples  
(62) 2020201108
- 
- (71) Graco Minnesota Inc.  
(21) 2022241562 (22) 29.09.2022  
(54) Pump drive system  
(31) 63/250,007 (32) 29.09.21 (33) US
- 
- (71) HeliMods Pty Ltd  
(21) 2022241558 (22) 29.09.2022  
(54) A STRETCHER LOADING ASSEMBLY
- 
- (71) Hussmann Corporation  
(21) 2022241587 (22) 30.09.2022  
(54) Break-away door handle  
(31) 63/251,352 (32) 01.10.21 (33) US
- 
- (71) Hydrokinetic Energy Corp  
(21) 2022241572 (22) 29.09.2022
- (54) Hydroelectric/Hydrokinetic Turbine And Methods For Making And Using Same  
(62) 2020220064
- 
- (71) IGT  
(21) 2022241533 (22) 29.09.2022  
(54) Electronic Gaming Machine Having Reel Assembly and Transmissive Display Device with Color Characteristic Adjustments  
(31) 63/249,862 (32) 29.09.21 (33) US  
17/936,009 28.09.22 US
- 
- (71) Immunomic Therapeutics, Inc.  
(21) 2022241594 (22) 30.09.2022  
(54) IMPROVED LAMP CONSTRUCTS  
(62) 2018254776
- 
- (71) InCube Labs, LLC  
(21) 2022241560 (22) 29.09.2022  
(54) Systems and methods for patient-enabled bladder control  
(62) 2021204010
- 
- (71) Institute of Agro-Products Processing Science and Technology  
(21) 2022241507 (22) 28.09.2022  
(54) Method for producing fruit wine by mixed-strains fermentation  
(31) 202210259511.X (32) 16.03.22 (33) CN
- 
- (71) Interscope, Inc.  
(21) 2022241598 (22) 30.09.2022  
(54) SURGICAL CONSOLE, SPECIMEN RECEIVER, AND INSERTABLE ENDOSCOPIC INSTRUMENT FOR TISSUE REMOVAL  
(62) 2017235541
- 
- (71) Johnson & Johnson Consumer Inc.  
(21) 2022241566 (22) 29.09.2022  
(54) Method of quantifying product impact on human microbiome  
(31) 17/948,837 (32) 20.09.22 (33) US  
63/252,818 06.10.21 US  
63/340,634 11.05.22 US
- 
- (71) Joy Global Underground Mining LLC  
(21) 2022241519 (22) 28.09.2022  
(54) Spray nozzle for underground roof support  
(62) 2016259352
- 
- (71) Komatsu Ltd.  
(21) 2022241486 (22) 27.09.2022  
(54) Display control system and display control method  
(62) 2019371691
- 
- (71) Konami Gaming, Inc.  
(21) 2022241485 (22) 27.09.2022
- (54) Gaming machine, control method for machine, and program for gaming machine  
(62) 2017332666
- 
- KRBIP Pty Ltd see CCIP Pty Ltd**  
(21) 2022241583
- 
- (71) Kyocera Corporation; The University of Tokyo  
(21) 2022241515 (22) 28.09.2022  
(54) Estimation apparatus, estimation system, and estimation program  
(62) 2019339090
- 
- (71) Laminex Group Pty Limited  
(21) 2022241578 (22) 30.09.2022  
(54) IMPROVED FIBREBOARD PRODUCT  
(31) 2021903956 (32) 07.12.21 (33) AU
- 
- (71) Laminex Group Pty Limited  
(21) 2022241579 (22) 30.09.2022  
(54) IMPROVED PARTICLEBOARD  
(31) 2021903958 (32) 07.12.21 (33) AU
- 
- (71) Latham Pool Products, Inc.  
(21) 2022241481 (22) 27.09.2022  
(54) POOL SHELL AND METHODS OF MANUFACTURE  
(31) 63/249,438 (32) 28.09.21 (33) US
- 
- (71) Lone Gull Holdings, Ltd.  
(21) 2022241584 (22) 30.09.2022  
(54) Wind-powered Computing Buoy  
(62) 2019212648
- 
- (71) Magic Leap, Inc.  
(21) 2022241567 (22) 29.09.2022  
(54) Waveguides with light absorbing films and processes for forming the same  
(62) 2018234409
- 
- (71) Mahfouz, M.  
(21) 2022241596 (22) 30.09.2022  
(54) Bone reconstruction and orthopedic implants  
(62) 2021232699
- 
- (71) Mahfouz, M.  
(21) 2022241597 (22) 30.09.2022  
(54) Cross bone reconstruction and orthopedic implants  
(62) 2021232696
- 
- (71) MAKO Surgical Corp.  
(21) 2022241606 (22) 30.09.2022  
(54) Systems for a robotic-assisted revision procedure  
(62) 2021202000

Complete Applications Filed - Name Index cont'd

(71) Mallinckrodt Hospital Products IP Limited  
 (21) 2022241504 (22) 28.09.2022  
 (54) Methods of administering high concentrations of nitric oxide  
 (62) 2020202487

(71) MuPharma Pty Ltd  
 (21) 2022241608 (22) 30.09.2022  
 (54) Non-invasive agent applicator  
 (62) 2021203025

(71) Musculoskeletal Transplant Foundation  
 (21) 2022241534 (22) 29.09.2022  
 (54) MODIFIED GRAFTS  
 (31) 63/249,639 (32) 29.09.21 (33) US

**Myovant Sciences GmbH see Takeda Pharmaceutical Company Limited**  
 (21) 2022241582

(71) Ningbo Hongdu Model Plastics Co., Ltd.  
 (21) 2022241536 (22) 29.09.2022  
 (54) LOCK FOR A PET TRANSPORTER  
 (31) 2021228541865 (32) 19.11.21 (33) CN

(71) nthalmic holding Pty Ltd  
 (21) 2022241546 (22) 29.09.2022  
 (54) A contact lens solution for myopia management  
 (62) 2020354783

(71) NuVasive, Inc.  
 (21) 2022241502 (22) 28.09.2022  
 (54) MINIMALLY DISRUPTIVE RETRACTOR AND ASSOCIATED METHODS FOR SPINAL SURGERY  
 (62) 2021203047

(71) Oerlikon Metco (US) Inc.  
 (21) 2022241525 (22) 28.09.2022  
 (54) Core drill bit binder materials  
 (31) 63/257,725 (32) 20.10.21 (33) US

(71) Otsuka Pharmaceutical Co., Ltd.  
 (21) 2022241491 (22) 27.09.2022  
 (54) Injectable preparation  
 (62) 2020204200

(71) OZKOR Pty. Ltd.  
 (21) 2022241603 (22) 30.09.2022  
 (54) A pallet  
 (62) 2020257091

(71) Passer Stitch LLC.  
 (21) 2022241531 (22) 29.09.2022

(54) APPARATUS AND METHOD FOR PASSING SUTURE THROUGH SOFT TISSUE  
 (62) 2020217651

(71) Pharmazen Limited  
 (21) 2022241557 (22) 29.09.2022  
 (54) IMPROVED MANUFACTURING PROCESS AND PRODUCTS THEREFROM, AND COMPONENTS THEREFOR  
 (31) 2022902803 (32) 31.05.22 (33) AU

(71) Poseida Therapeutics, Inc.  
 (21) 2022235633 (22) 23.09.2022  
 (54) Modified stem cell memory T cells, methods of making and methods of using same  
 (62) 2020227020

(71) Precision Planting LLC  
 (21) 2022241484 (22) 27.09.2022  
 (54) Seed delivery apparatus, systems, and methods  
 (62) 2021203302

(71) Prime Forming & Construction Supplies, Inc., dba Fitzgerald Formliners  
 (21) 2022241496 (22) 28.09.2022  
 (54) Formliner for forming a pattern in curable material and method of use  
 (62) 2016380689

(71) PROGRESS RAIL LOCOMOTIVE INC.  
 (21) 2022241518 (22) 28.09.2022  
 (54) GEAR CASE FLUID LEVEL SENSOR  
 (31) 17/496,518 (32) 07.10.21 (33) US

(71) Pulmonem Inc.  
 (21) 2022241604 (22) 30.09.2022  
 (54) Method of treating a person afflicted with covid-19 and pharmaceutical formulation including dapsone  
 (31) 17/955,337 (32) 28.09.22 (33) US

(71) Q.E.D. Environmental Systems, Inc.  
 (21) 2022241585 (22) 30.09.2022  
 (54) Soil sampler  
 (31) 63/251,561 (32) 01.10.21 (33) US

(71) Rosemount Inc.  
 (21) 2022241595 (22) 30.09.2022  
 (54) LOCATION AWARENESS SYSTEM  
 (62) 2019345251

**Sand, B. see Ampersand Biopharmaceuticals, LLC**  
 (21) 2022241559

(71) Schneider Electric Industries SAS  
 (21) 2022241540 (22) 29.09.2022

(54) ELECTRICAL APPARATUS COMPRISING QUENCHING GAS FILTERING DEVICES  
 (31) 2110798 (32) 12.10.21 (33) FR

(71) Schneider Electric Industries SAS  
 (21) 2022241607 (22) 30.09.2022  
 (54) Coding circuit, decoding circuit, voltage information system  
 (31) 21306416.5 (32) 08.10.21 (33) EP

(71) Seagen Inc.  
 (21) 2022241509 (22) 28.09.2022  
 (54) Treatment of HER2 positive cancers  
 (62) 2018258663

(71) Seminis Vegetable Seeds, Inc.  
 (21) 2022241592 (22) 30.09.2022  
 (54) Tomato hybrid SVTM9027 and parents thereof  
 (31) 17/494,602 (32) 05.10.21 (33) US

(71) Seminis Vegetable Seeds, Inc.  
 (21) 2022241599 (22) 30.09.2022  
 (54) Tomato hybrid SVTM9028 and parents thereof  
 (31) 17/494,613 (32) 05.10.21 (33) US

(71) Sera Prognostics, Inc.  
 (21) 2022241477 (22) 27.09.2022  
 (54) BIOMARKER PAIRS FOR PREDICTING PRETERM BIRTH  
 (62) 2016279002

(71) Smiths Medical ASD, Inc.  
 (21) 2022241488 (22) 27.09.2022  
 (54) CATHETER INSERTION DEVICE WITH IMPROVED FLASHBACK RESPONSE  
 (62) 2020231412

(71) Someones Group Intellectual Property Holdings Pty Ltd  
 (21) 2022241556 (22) 29.09.2022  
 (54) METHOD, SYSTEM AND CONTROLLER FOR PROVIDING GOODS AND/OR SERVICES TO CONSUMERS  
 (62) 2020244594

(71) Spin Master Ltd.  
 (21) 2022241517 (22) 28.09.2022  
 (54) Transformable Toy  
 (31) 17/887,383 (32) 12.08.22 (33) US

(71) Studco Australia Pty Ltd  
 (21) 2022241551 (22) 29.09.2022  
 (54) WALL AND CEILING CONSTRUCTION  
 (62) 2017201062

**Suntory Flowers Limited see Suntory Holdings Limited**

Complete Applications Filed - Name Index cont'd

(21) 2022241553			
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(71) Suntory Holdings Limited; Suntory Flowers Limited			
(21) 2022241553	(22) 29.09.2022		
(54) Novel Mandevilla genus plant and production method of same			
(62) 2016277699			
<hr/>			
(71) Symon Agricultural Biotech. Co., Ltd.			
(21) 2022241514	(22) 28.09.2022		
(54) Coloring Coating Structure			
(31) 110213211	(32) 09.11.21	(33) TW	
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(71) Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH			
(21) 2022241582	(22) 30.09.2022		
(54) Methods of treating uterine fibroids and endometriosis			
(62) 2017336363			
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(71) TARIS Biomedical LLC			
(21) 2022241586	(22) 30.09.2022		
(54) Drug delivery devices and methods			
(62) 2020277124			
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(71) TAS Medical			
(21) 2022241600	(22) 30.09.2022		
(54) Systems, devices and methods for closing an abdominal wall defect			
(62) 2018207667			
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(71) Tata Consultancy Services Limited			
(21) 2022241588	(22) 30.09.2022		
(54) SYSTEM AND METHOD FOR RAILWAY NETWORK ACCESS PLANNING			
(31) 202121047289	(32) 18.10.21	(33) IN	
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(71) Taz Drone Solutions Pty Ltd			
(21) 2022241495	(22) 27.09.2022		
(54) SLOPE MONITORING SYSTEM AND DEVICE			
<hr/>			
(71) Techtronic Cordless GP			
(21) 2022241482	(22) 27.09.2022		
(54) Electrical connection means for connecting terminals of battery units in battery pack			
(31) 202111240246.2	(32) 25.10.21	(33) CN	
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(71) Techtronic Cordless GP			
(21) 2022241512	(22) 28.09.2022		
(54) Battery pack and electric tool comprising same			
(31) 202122389415.0	(32) 30.09.21	(33) CN	
<hr/>			
(71) The Regents of the University of California			
(21) 2022241497	(22) 28.09.2022		
(54) Implants using ultrasonic waves for stimulating tissue			
(62) 2017292931			
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<b>The University of Tokyo see Kyocera Corporation</b>			
(21) 2022241515			
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(71) Transocean Innovation Labs, Ltd			
(21) 2022241494	(22) 27.09.2022		
(54) Manifolds for providing hydraulic fluid to a subsea blowout preventer and related methods			
(62) 2021200401			
<hr/>			
(71) Transportation IP Holdings, LLC			
(21) 2022241526	(22) 28.09.2022		
(54) SYSTEM AND METHOD FOR THERMAL MANAGEMENT			
(31) 17/499,349	(32) 12.10.21	(33) US	
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(71) TScan Therapeutics, Inc.			
(21) 2022241563	(22) 29.09.2022		
(54) Binding proteins recognizing HA-1 antigen and uses thereof			
(62) 2021323388			
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(71) Tse, K.			
(21) 2022241493	(22) 27.09.2022		
(54) Terminal Container Ship			
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(71) Unison Industries, LLC			
(21) 2022241537	(22) 29.09.2022		
(54) AIR TURBINE STARTER WITH BEARING SUPPORT STRUCTURE			
(31) 202211046088	(32) 12.08.22	(33) IN	
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(71) Université Catholique de Louvain			
(21) 2022241581	(22) 30.09.2022		
(54) Compositions comprising mesenchymal stem cells and uses thereof			
(62) 2020207792			
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<b>University of California see University of Washington</b>			
(21) 2022241520			
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(71) University of Washington; University of California			
(21) 2022241520	(22) 28.09.2022		
(54) Compositions and methods for treating celiac sprue disease			
(62) 2016276436			
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(71) UP MANAGEMENT SOLUTIONS PTY LTD			
(21) 2022235538	(22) 20.09.2022		
(54) SynPlanet			
(31) 2022902405	(32) 23.08.22	(33) AU	
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(71) Upside Foods, Inc.			
(21) 2022241490	(22) 27.09.2022		
(54) Apparatuses and systems for preparing a meat product			
(62) 2020386085			
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(71) Veltek Associates, Inc.			
(21) 2022241501	(22) 28.09.2022		
(54) Deactivation wipe kit and method of forming and using the same			
(62) 2017251631			
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(71) Visa International Service Association			
(21) 2022241492	(22) 27.09.2022		
(54) SYSTEMS AND METHODS FOR RECORDING DATA REPRESENTING MULTIPLE INTERACTIONS			
(62) 2018257949			
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(71) VIVORYON THERAPEUTICS N.V.			
(21) 2022246405	(22) 05.10.2022		
(54) Novel inhibitors			
(62) 2018246382			
<hr/>			
(71) Wilson 247Solar, Inc			
(21) 2022241480	(22) 27.09.2022		
(54) MULTI-THERMAL STORAGE UNIT SYSTEMS, FLUID FLOW CONTROL DEVICES, AND LOW PRESSURE SOLAR RECEIVERS FOR SOLAR POWER SYSTEMS, AND RELATED COMPONENTS AND USES THEREOF			
(62) 2020210205			
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(71) Worthwhile Products			
(21) 2022241545	(22) 29.09.2022		
(54) PRODUCT LOCATION SYSTEM			
(62) 2021272546			
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(71) Wyeth LLC			
(21) 2022241552	(22) 29.09.2022		
(54) Novel formulations which stabilize and inhibit precipitation of immunogenic compositions			
(62) 2020227072			
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(71) Yale University			
(21) 2022235636	(22) 23.09.2022		
(54) Compositions for treating pathological calcification conditions, and methods using same			
(62) 2016264364			
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(71) Zodiac Pool Care Europe			
(21) 2022241528	(22) 29.09.2022		
(54) Device for extracting a swimming pool cleaning apparatus			
(62) 2021200724			

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2022235538	UP MANAGEMENT SOLUTIONS PTY LTD	2022241540	Schneider Electric Industries SAS
2022235633	Poseida Therapeutics, Inc.	2022241541	BrainChip, Inc.
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2022241472	ARC BIO, LLC	2022241543	Aurigene Discovery Technologies Limited
2022241477	Sera Prognostics, Inc.	2022241544	Dolby International AB
2022241478	Angel Group Co., Ltd.	2022241545	Worthwhile Products
2022241479	1789703 Ontario Ltd.	2022241546	nthalmic holding Pty Ltd
2022241480	Wilson 247Solar, Inc	2022241547	Angel Group Co., Ltd.
2022241481	Latham Pool Products, Inc.	2022241548	Alarm.com Incorporated
2022241482	Techtronic Cordless GP	2022241549	Breville USA, Inc.
2022241483	Evolved by Nature, Inc.	2022241551	Studco Australia Pty Ltd
2022241484	Precision Planting LLC	2022241552	Wyeth LLC
2022241485	Konami Gaming, Inc.	2022241553	Suntory Holdings Limited; Suntory Flowers Limited
2022241486	Komatsu Ltd.	2022241554	CNH Industrial America LLC
2022241487	Chance Line Industrial Co., Ltd.	2022241555	Dolby International AB
2022241488	Smiths Medical ASD, Inc.	2022241556	Someones Group Intellectual Property Holdings Pty Ltd
2022241489	Benitek IP Holdings Inc.	2022241557	Pharmazen Limited
2022241490	Upside Foods, Inc.	2022241558	HeliMods Pty Ltd
2022241491	Otsuka Pharmaceutical Co., Ltd.	2022241559	Ampersand Biopharmaceuticals, LLC; Sand, B.
2022241492	Visa International Service Association	2022241560	InCube Labs, LLC
2022241493	Tse, K.	2022241561	F. Hoffmann-La Roche AG
2022241494	Transocean Innovation Labs, Ltd	2022241562	Graco Minnesota Inc.
2022241495	Taz Drone Solutions Pty Ltd	2022241563	TScan Therapeutics, Inc.
2022241496	Prime Forming & Construction Supplies, Inc., dba Fitzgerald Formliners	2022241564	Cytroniq Co., Ltd.
2022241497	The Regents of the University of California	2022241565	CareFusion 303, Inc.
2022241498	Angel Group Co., Ltd.	2022241566	Johnson & Johnson Consumer Inc.
2022241499	Actimed Therapeutics Ltd	2022241567	Magic Leap, Inc.
2022241500	AbbVie Inc.	2022241568	ConMed Corporation
2022241501	Veltek Associates, Inc.	2022241569	Fisher & Paykel Healthcare Limited
2022241502	NuVasive, Inc.	2022241570	Cell Cure Neurosciences Ltd.
2022241503	Actimed Therapeutics Ltd	2022241571	CloudSeq Pte Ltd
2022241504	Mallinckrodt Hospital Products IP Limited	2022241572	Hydrokinetic Energy Corp
2022241505	Arbutus Biopharma Corporation	2022241573	Amgen Inc.
2022241506	FORMA Therapeutics, Inc.	2022241574	Aristocrat Technologies Australia Pty Limited
2022241507	Institute of Agro-Products Processing Science and Technology	2022241575	Aristocrat Technologies, Inc.
2022241508	DLT Group Pty Ltd	2022241576	Aristocrat Technologies, Inc.
2022241509	Seagen Inc.	2022241577	Aristocrat Technologies, Inc.
2022241510	Beijing Baidu Netcom Science Technology Co., Ltd.	2022241578	Laminex Group Pty Limited
2022241511	Bracco Diagnostics Inc.	2022241579	Laminex Group Pty Limited
2022241512	Techtronic Cordless GP	2022241580	Cordance Medical Inc.
2022241513	Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)	2022241581	Université Catholique de Louvain
2022241514	Symon Agricultural Biotech. Co., Ltd.	2022241582	Takeda Pharmaceutical Company Limited; Myovant Sciences GmbH
2022241515	Kyocera Corporation; The University of Tokyo	2022241583	CCIP Pty Ltd; KRBIP Pty Ltd
2022241516	Aristocrat Technologies Australia Pty Limited	2022241584	Lone Gull Holdings, Ltd.
2022241517	Spin Master Ltd.	2022241585	Q.E.D. Environmental Systems, Inc.
2022241518	PROGRESS RAIL LOCOMOTIVE INC.	2022241586	TARIS Biomedical LLC
2022241519	Joy Global Underground Mining LLC	2022241587	Hussmann Corporation
2022241520	University of Washington; University of California	2022241588	Tata Consultancy Services Limited
2022241522	ABL Bio Inc.	2022241589	AHF, LLC
2022241523	Evogene Ltd.	2022241590	Apple Inc.
2022241524	Alcon Inc.	2022241591	Cyplex Pty Limited
2022241525	Oerlikon Metco (US) Inc.	2022241592	Seminis Vegetable Seeds, Inc.
2022241526	Transportation IP Holdings, LLC	2022241593	BRNC Industries Pty Ltd
2022241527	Foundation Medicine, Inc.	2022241594	Immunomic Therapeutics, Inc.
2022241528	Zodiac Pool Care Europe	2022241595	Rosemount Inc.
2022241530	ADA Cosmetics International GmbH	2022241596	Mahfouz, M.
2022241531	Passer Stitch LLC.	2022241597	Mahfouz, M.
2022241532	Becton, Dickinson and Company	2022241598	Interscope, Inc.
2022241533	IGT	2022241599	Seminis Vegetable Seeds, Inc.
2022241534	Musculoskeletal Transplant Foundation	2022241600	TAS Medical
2022241535	Flexible Steel Lacing Company	2022241601	Brellock Enterprises Pty Ltd
2022241536	Ningbo Hongdu Model Plastics Co., Ltd.	2022241602	ALOYS INC.
2022241537	Unison Industries, LLC	2022241603	OZKOR Pty. Ltd.
2022241538	Dolby International AB	2022241604	Pulmonem Inc.
2022241539	ENVISION VR PTY LTD	2022241605	Diametros Medical S.r.l.
		2022241606	MAKO Surgical Corp.
		2022241607	Schneider Electric Industries SAS

Complete Applications Filed - Numerical Index cont'd

2022241608 MuPharma Pty Ltd  
2022246405 VIVORYON THERAPEUTICS N.V.



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

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Oct 2022 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** Laitram, L.L.C.  
**(21)** 2022100141      **(22)** 10.10.2022  
**(54)** Forced-convection, steam-heating of  
nuts with preheating  
**(62)** 2018208302

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**(71)** LU, Y.  
**(21)** 2022100138      **(22)** 07.10.2022  
**(54)** A SUSPENSION ELECTRICAL SOCK-  
ET ASSEMBLY  
**(62)** 2018253464

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**(71)** Plant IP Pty Ltd  
**(21)** 2022100139      **(22)** 10.10.2022  
**(54)** Accessory bar and load carrying as-  
sembly  
**(62)** 2021244775

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**(71)** Plant IP Pty Ltd  
**(21)** 2022100140      **(22)** 10.10.2022  
**(54)** Accessory bar and load carrying as-  
sembly  
**(62)** 2021244775

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**(71)** Zhejiang CFMOTO Power Co., Ltd.  
**(21)** 2022100137      **(22)** 04.10.2022  
**(54)** STRADDLE-TYPE VEHICLE  
**(62)** 2020373949

**Numerical Index**

**2022100137** Zhejiang CFMOTO Power Co., Ltd.  
**2022100138** LU, Y.  
**2022100139** Plant IP Pty Ltd

**2022100140** Plant IP Pty Ltd  
**2022100141** Laitram, L.L.C.

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

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

The codes next to each number have the following meanings:

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

**1999**

1999028273 ( 14 )

**2002**

2002301249 ( 14 )    2002301250 ( 14 )    2002301271 ( 14 )  
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2003215410 ( 14 )    2003218417 ( 14 )    2003225975 ( 14 )  
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2015100106 ( 22 ) 2015100387 ( 22G ) 2015201509 ( 14 )  
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**2016**

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 2018373865 ( 4B ) 2018414629 ( 4A )

**2019**

2019100312 ( 22E ) 2019203580 ( 14 ) 2019204865 ( 14 )  
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**2020**

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 2020294367 ( 5C )

**2021**

2021107601 ( 22G ) 2021200111 ( 5C ) 2021200308 ( 5C )  
 2021200343 ( 5C ) 2021202108 ( 4C ) 2021209192 ( 5C )  
 2021212086 ( 4C ) 2021229223 ( 4C ) 2021903196 ( 12AN )

**2022**

2022200462 ( 4C ) 2022202421 ( 12C ) 2022204675 ( 1A )  
 2022205274 ( 7AN ) 2022206707 ( 7AN ) 2022209285 ( 7AN )  
 2022235643 ( 12AN ) 2022241535 ( 12AN ) 2022900169 ( 12AN )

**Assignments before Grant, Section 113**

**2017**

2017377663 Lifting Point Pre-Form Pty Limited The application has been assigned to **InQuik IP Holdings Pty Ltd**

**2018**

2018200667 Lifting Point Pre-Form Pty Limited The application has been assigned to **InQuik IP Holdings Pty Ltd**

2018256558 Donovan Group NZ Limited The application has been assigned to **Donovan Group Holdings Limited**

2018317390 Phosphorex, Inc. The application has been assigned to **CYTODIGM, INC.**

**2019**

2019210712 Lifting Point Pre-Form Pty Limited The application has been assigned to **InQuik IP Holdings Pty Ltd**

2019360164 SiliCycle Inc. The application has been assigned to **Pharma in silica Laboratories inc.**

2019379434 SiliCycle Inc. The application has been assigned to **Pharma in silica Laboratories inc.**

**Assignments before Grant, Section 113**

2019413431 Catalyst Biosciences, Inc. The application has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**

**2020**

2020226216 SiliCycle Inc. The application has been assigned to **Pharma in silica Laboratories inc.**

2020277183 HONEYWELL INTERNATIONAL INC. The application has been assigned to **Quantinum LLC**

2020283956 Phosphorex, Inc. The application has been assigned to **CYTODIGM, INC.**

2020322127 ATG UV TECHNOLOGY LTD The application has been assigned to **Evoqua Water Technologies Limited**

**2021**

2021201342 Phosphorex, Inc. The application has been assigned to **CYTODIGM, INC.**

2021215246 Optinose AS The application has been assigned to **Optinose, Inc.**

**2022**

2022201445 Catalyst BioSciences, Inc. The application has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**

2022204371 Games Global Works Limited The application has been assigned to **Games Global Operations Limited**

2022902431 Donaghys Limited; Yeritsyan, Karen The application has been assigned to **Donaghys Limited**

**Extensions of Time, Section 223**

**Applications Received**

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

**2008**

2008299561 **Global Coal Solutions Pty Ltd** An application to extend the time from 18 Aug 2021 to 18 Aug 2022 in which to pay a renewal fee has been filed . Address for service - KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD PO Box 128 Aspley QLD 4034 AU

**2009**

2009323734 **Universidad Catolica De Cordoba; Consejo Nacional De Investigaciones Cientificas Y Tecnicas (CONICET)** An application to extend the time from 02 Dec 2021 to 02 Oct 2022 in which to pay a renewal fee has been filed . Address for service - Burns IP Law Pty Ltd PO Box 177 Hampton VIC 3188 AU

**2010**

2010206482 **Fearman, A.** An application to extend the time from 15 Jan 2022 to 15 Aug 2022 in which to pay a renewal fee has been filed . Ad-

**Extensions of Time, Section 223**

dress for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2016**

2016361452 **Infagen (Hong Kong) Limited** An application to extend the time from 23 Nov 2021 to 23 Jun 2022 in which to pay a continuation fee has been filed . Address for service - Griffith Hack L 22 Allendale Square 77 St Georges Terrace Perth WA 6000 AU

**2017**

2017213685 **Anellotech, Inc.** An application to extend the time from 23 Jan 2022 to 23 Sep 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018212323 **Intellisense.io Ltd** An application to extend the time from 30 Jan 2022 to 30 Sep 2022 in which to pay a continuation fee has been filed . Address for service - CHILIAD CONSULTING PTY LTD GPO Box 1629 Adelaide SA 5001 AU

**2019**

2019377989 **JANSSEN VACCINES & PREVENTION B.V.** An application to extend the time from 13 Jun 2021 to 13 Sep 2022 in which to enter the National Phase has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020224091 **NAHAMOO, David; JABLOKOV, Igor; PICKOVER, Clifford, A.** An application to extend the time from 18 Sep 2021 to 18 Aug 2022 in which to enter the National Phase has been filed . Address for service - RnB IP Pty Ltd PO Box 9530 Deakin ACT 2600 AU

**2020239045 DDP SPECIALTY ELECTRONIC MATERIALS US, INC.**

An application to extend the time from 11 Oct 2021 to 11 Sep 2022 in which to enter the National Phase has been filed . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

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

**2012**

2012289891 **Datta, D.** The time in which to pay a renewal fee has been extended to 04 Jul 2022 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2015**

2015352176 **Xobaderm Limited** The time in which to pay a renewal fee has been extended to 25 Jun 2022 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

**2016**

2016253149 **The Regents of The University of California** The time in which to pay the acceptance fee has been extended to 19 Oct 2022 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2017**

2017283482 **MAM Holdings of West Florida, L.L.C.** The time in which to pay a renewal fee has been extended to 13 Jan 2022 . Address for

**Extensions of Time, Section 223**

service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

2017346865 **The Seaberg Company, Inc.** The time in which to pay a continuation fee has been extended to 18 May 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2018**

2018229472 **Universitat de les Illes Balears** The time in which to pay a renewal fee has been extended to 04 Aug 2022 . Address for service - Catalyst Intellectual Property PO Box 25520 Wellington 5012 NZ

2018229474 **Universitat de les Illes Balears** The time in which to pay a renewal fee has been extended to 04 Aug 2022 . Address for service - Catalyst Intellectual Property PO Box 25520 Wellington 5012 NZ

2018233582 **Canntab Therapeutics, Limited** The time in which to pay the acceptance fee has been extended to 07 Oct 2022 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2019**

2019203411 **Bry Air [Asia] Pvt. Ltd.** The time in which to gain acceptance and pay a continuation fee has been extended to 20 Dec 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019222955 **Universitat de les Illes Balears** The time in which to pay a renewal fee has been extended to 04 Aug 2022 . Address for service - Catalyst Intellectual Property PO Box 25520 Wellington 5012 NZ

**2020**

2020296106 **ZYLO THERAPEUTICS, INC.** The time in which to enter the National Phase has been extended to 19 Jun 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021200336 **ZHEJIANG DINGLI MACHINERY CO., LTD [CN/CN]** The time in which to pay the acceptance fee has been extended to 02 Oct 2022 . Address for service - Remarkable IP PO Box 207 Queenstown Otago 9348 NZ

2021203614 **Havah Therapeutics Pty Ltd** The time in which to pay a continuation fee has been extended to 22 May 2022 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 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.

**Amendments**

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**

2016267585 Stable cannabinoid formulations **Radius Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Aug 2022 . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

2016276556 Affinity entities comprising a TCR-like antibody binding domain with high affinity and fine specificity and uses of same **Adicet Bio Inc.** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2017**

2017234315 Strap assembly, strap connector, headgear, headgear assembly, method of forming headgear, tubular connector, patient interface and method of joining straps **Fisher & Paykel Healthcare Limited** The nature of the amendment is as shown in the statement(s) filed 30 Sep 2022 . Address for service - AJ PARK GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018101509 CONVEYOR BELT WEAR ASSESSMENT AND CONVEYOR BELT COATING **Wear Systems Solutions Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 28 Jun 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2020**

2020270148 Suspension system for a utility vehicle **Ariens Company** The nature of the amendment is as shown in the statement(s) filed 30 Sep 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**Amendments Made**

**2016**

2016310332 **Salto Systems S.L.** The nature of the amendment is as shown in the statement filed 12 Aug 2022

**2017**

2017280334 **The Regents of the University of California; AtlasMedx, Inc** The nature of the amendment is as shown in the statement filed 26 May 2022

2017300528 **Biometry Inc.** The nature of the amendment is as shown in the statement filed 12 Jul 2022

2017302361 **The Board of Trustees of the Leland Stanford Junior University** The nature of the amendment is as shown in the statement filed 05 Jul 2022

2017319500 **Les Laboratoires Servier** The nature of the amendment is as shown in the statement filed 21 Apr 2022

**Amendments**

2017389212 **FTS Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read System, Method, Operator Server, and Program for Financial Demand Response Provision Services

**2018**

2018266911 **Enanta Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 30 Jun 2022

2018277973 **Gifu Plastic Industry Co., Ltd.** The nature of the amendment is as shown in the statement filed 20 Jun 2022

2018288018 **Curadev Pharma Limited** The nature of the amendment is as shown in the statement filed 28 Jun 2022

2018360314 **MCCLELLAND, D.** The nature of the amendment is: Application is to proceed under the number 2018102244

2018363644 **Assa Abloy Entrance Systems AB** The nature of the amendment is: Amend the invention title to read HIGH SPEED OVER-HEAD DOOR

**2019**

2019341746 **Ea Cerhys Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2019101834

**2020**

2020202409 **Kop-Coat, Inc.** The nature of the amendment is as shown in the statement filed 25 Mar 2022

2020202806 **Stryker Corporation** The nature of the amendment is: Amend the invention title to read Powered surgical handpiece with a chuck that facilitates alignment of the cutting accessory fitted to the tool

2020222502 **Whiteley Corporation Pty Ltd** The nature of the amendment is as shown in the statement filed 03 Jul 2022

2020431093 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Heat exchanger of heat source-side unit, and heat pump apparatus including the heat exchanger

2020438895 **Suzhou Ersheng Biopharmaceutical Co., Ltd** The nature of the amendment is: Amend the invention title to read Whole-cell components delivery system and application thereof

**2021**

2021202873 **Genano Oy** The nature of the amendment is: Add the names of co-inventors Skogster, Niklas and Makkonen, Pasi

2021208776 **Shanghai Golden Leaf Med Tec Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read CAO, HONGGUANG and SHEN, MEIJUN

2021221558 **Wardeiner, J.** The nature of the amendment is: Application is to proceed under the number 2021107670

2021221717 **Austworld Commodities Pty Ltd** The nature of the amendment is as shown in the statement filed 01 Aug 2022

**Amendments**

2021221717 **Austworld Commodities Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107669

2021225046 **UCL Business Ltd** The nature of the amendment is: Amend the applicant name to read UCL Business Ltd

2021226076 **UCL Business Ltd** The nature of the amendment is: Amend the applicant name to read UCL Business Ltd

2021228288 **Remix Therapeutics Inc.** The nature of the amendment is: Amend the invention title to read Pyridazine derivatives for modulating nucleic acid splicing

2021228521 **Ferring B.V.** The nature of the amendment is: Amend the name of a co-inventor to read GRENIER, Arnaud

2021230601 **Aligos Therapeutics, Inc.** The nature of the amendment is as shown in the statement filed 07 Sep 2022

2021230666 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Air-conditioning apparatus

2021234003 **Bauer Maschinen GmbH** The nature of the amendment is: Amend the invention title to read SOIL WORKING DEVICE AND METHOD FOR CREATING A SUBSTANTIALLY VERTICAL HOLE IN THE GROUND

2021235371 **Terumo Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read ULTRASOUND CATHETER AND ULTRASOUND CATHETER SYSTEM

2021236762 **Global Thermostat Operations, LLC** The nature of the amendment is: Amend the invention title to read SYSTEMS AND METHODS FOR CARBON DIOXIDE CAPTURE

2021237815 **Auto Telematics Ltd** The nature of the amendment is: Amend the name of the inventor to read WRIGHT, Andrew William and SWITALSKI, Gillian

2021239894 **KNOW Bio, LLC** The nature of the amendment is: Amend the name of the inventor to read EMERSON, David T.; BERGMANN, Michael John; WOMBLE, Thomas Matthew; VAN DE VEN, Antony Paul; STASKO, Nathan; HUNTER, F. Neal; COCKRELL, Adam; MCDONALD, Rebecca; KOCHER, Jacob and LAY, James Michael

2021247767 **Oriental Yeast Co., Ltd.** The nature of the amendment is: Amend the invention title to read Chromosome-stabilizing agent for stem cells

2021254011 **Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation** The nature of the amendment is: Amend the invention title to read Supply apparatus

2021261003 **Alpha Beta Holdings, LLC** The nature of the amendment is: Amend the name of the inventor to read CHERESH, David; WEIS, Sara; McCORMACK, Stephen; RADER, Christoph and WETTERSTEN, Hiromi

**Amendments**

2021271467 **Komatsu Ltd.** The nature of the amendment is:  
Amend the invention title to read Tunnel excavation device

2021279790 **Komatsu Ltd.** The nature of the amendment is:  
Amend the invention title to read Control method for tunnel excavation device and tunnel excavation device

2021291569 **MD Healthcare Inc.** The nature of the amendment is: Amend the invention title to read COMPOSITION FOR PREVENTION OR TREATMENT OF NEUROLOGICAL OR MENTAL DISORDERS COMPRISING EXTRACELLULAR VESICLES DERIVED FROM LACTOBACILLUS PARACASEI

**2022**

2022207428 **Simplex Designs, LLC** The nature of the amendment is as shown in the statement filed 19 Sep 2022

2022224795 **Cripps Clark, J.** The nature of the amendment is: Amend to add divisional priority details to 2022201926

2022228135 **Cripps Clark, J.** The nature of the amendment is: Amend divisional details to read 2022203235 and 2022201926

2022235577 **Takeda Vaccines, Inc.** The nature of the amendment is: Amend the invention title to read Method for Inactivating ZIKA Virus and Related Methods

2022902861 **Miruku Limited** The nature of the amendment is: Amend the invention title to read Methods and compositions for producing plant-based dairy product substitutes

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

**2001**

2001249910 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2001249933 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2001253202 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2001256990 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2002**

2002217919 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2003**

2003236506 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2003270566 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**Amendments**

2003286644 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2004**

2004201839 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2004202547 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2004203068 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2004231212 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2004235739 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2004249282 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2005**

2005200886 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005202706 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005205794 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005211585 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005211626 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005212372 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005218010 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005220187 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005220274 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005225098 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005294185 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2005306828 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**



**Amendments**

2005337754 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2006**

2006200502 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006201353 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006201812 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006201813 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006222705 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006225175 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006225179 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2006225185 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2007**

2007200272 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007200289 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007200299 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007201628 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007201795 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007202005 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007202008 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007202466 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007203268 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007203682 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**Amendments**

2007203683 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007214292 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007216872 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2007348492 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2008**

2008201691 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2008203166 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2008207623 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2008329627 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2008334050 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2009**

2009330203 Serenity Pharmaceuticals LLC The name of the patentee has been altered to **Acerus Pharmaceuticals USA, LLC**

**2010**

2010200662 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010200914 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010202092 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010224379 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010236113 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010241448 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2010260211 Serenity Pharmaceuticals LLC The name of the patentee has been altered to **Acerus Pharmaceuticals USA, LLC**

**2011**

2011202663 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**Amendments**

2011203364 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2011213852 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2011226909 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2011226936 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2011253698 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2012**

2012202211 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2012202212 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2012244172 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2012244175 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2012254931 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2013**

2013205430 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2013254884 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2014**

2014202156 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014202525 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014202563 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014202565 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014202569 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014203647 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**Amendments**

2014203804 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2014225520 Scientia Vascular, LLC The name of the patentee has been altered to **Scientia Vascular, Inc.**

2014362252 Myco Sciences Limited The name of the patentee has been altered to **VM Agritech Ltd**

**2015**

2015203495 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2015242957 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2015261630 Serenity Pharmaceuticals LLC The name of the patentee has been altered to **Acerus Pharmaceuticals USA, LLC**

2015349811 Serenity Pharmaceuticals LLC The name of the patentee has been altered to **Acerus Pharmaceuticals USA, LLC**

**2016**

2016200425 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2016200426 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2016201414 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2016204306 Serenity Pharmaceuticals LLC The name of the patentee has been altered to **Acerus Pharmaceuticals USA, LLC**

**2016**

2016253635 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2016305076 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2016306667 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

**2017**

2017201289 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2017203336 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2017206219 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2017299456 Scientia Vascular, LLC The name of the patentee has been altered to **Scientia Vascular, Inc.**

**Amendments**

2017299457 Scientia Vascular, LLC The name of the patentee has been altered to **Scientia Vascular, Inc.**

2017299458 Scientia Vascular, LLC The name of the patentee has been altered to **Scientia Vascular, Inc.**

2017327825 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2017382303 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

**2018**

2018203208 Cardinal Health 529, LLC The name of the applicant has been altered to **Covidien AG**

2018204192 Cardinal Health 529, LLC The name of the patentee has been altered to **Covidien AG**

2018273992 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2018345328 Proteus Industries, Inc. The name of the patentee has been altered to **KEMIN PROTEINS LLC**

2018345723 Shinkei Therapeutics LLC The name of the applicant has been altered to **Shinkei Therapeutics, Inc.**

2018355567 Eltronic Wind Solutions A/S The name of the applicant has been altered to **ENABL A/S**

2018382215 Eltronic Wind Solutions A/S The name of the applicant has been altered to **ENABL A/S**

**2019**

2019226089 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2019231700 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2019249270 Maxeon Solar, Pte Ltd. The name of the applicant has been altered to **Maxeon Solar Pte. Ltd.**

2019261403 Shinkei Therapeutics LLC The name of the applicant has been altered to **Shinkei Therapeutics, Inc.**

**2020**

2020205236 GlaxoSmithKline Biologicals S.A. The name of the applicant has been altered to **GlaxoSmithKline Biologicals SA**

2020209837 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2020265233 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

**Amendments**

2020281174 GSE Environmental, LLC The name of the applicant has been altered to **Solmax Geosynthetics, LLC**

2020289695 Lupin Holdings B.V. The name of the applicant has been altered to **Nanomi B.V.**

2020337082 Cliff Dundee Pty Ltd The name of the applicant has been altered to **NON AUSTRALIA PTY LTD**

2020383622 NeoProgen, Inc. The name of the applicant has been altered to **Secretome Therapeutics, Inc.**

**2021**

2021210393 Scientia Vascular, LLC The name of the applicant has been altered to **Scientia Vascular, Inc.**

2021222020 The Penn State Research Foundation; North Carolina State University; Mohammad Rezaee ; Behzad Vaziri Hassas The name of the applicant has been altered to **The Penn State Research Foundation; North Carolina State University**

2021225181 Maxeon Solar, Pte Ltd. The name of the applicant has been altered to **Maxeon Solar Pte. Ltd.**

2021261854 Maxeon Solar, Pte Ltd. The name of the applicant has been altered to **Maxeon Solar Pte. Ltd.**

**2022**

2022228164 Min, Byung Woo, Marigold International Pty Ltd ; Byung Woo Min The name of the applicant has been altered to **Marigold International Pty Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 1789703 Ontario Ltd.  
 (11) AU-A-2022241479  
 (21) 2022241479 (22) 27.09.2022  
 (54) Explorative sampling of natural mineral resource deposits  
 (51) Int. Cl.  
*E21B 43/00* ( 2006.01 )  
*E21B 43/30* ( 2006.01 )  
*G06Q 10/04* ( 2012.01 )  
 (43) 20.10.2022  
 (62) 2016374602  
 (72) Dasys, Andrew; Bilal, Nehme  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) AGILE MANAGEMENT OFFICE PTY LTD  
 (11) AU-A-2022201632  
 (21) 2022201632 (22) 09.03.2022  
 (54) Method and tool for practical in the moment anxiety relief  
 (51) Int. Cl.  
*G09B 19/22* ( 2006.01 )  
 (31) 2021900992 (32) 06.04.21 (33) AU  
 (43) 20.10.2022  
 (72) Abbouchi, Fatimah  
 (74) AGILE MANAGEMENT OFFICE PTY LTD

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(71) Allergan, Inc.  
 (11) AU-A-2022235626  
 (21) 2022235626 (22) 23.09.2022  
 (54) Dissolvable microneedles for skin treatment  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 9/70* ( 2006.01 )  
*A61K 47/36* ( 2006.01 )  
*A61M 5/142* ( 2006.01 )  
*A61M 37/00* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2020223676  
 (72) Schwab, Justin J.; Augarten, Michael; Dominguez, Zachary; Franklin, Ethan; Kayda, Edwin J.; Metzner, Jason  
 (74) Davies Collison Cave Pty Ltd

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Amgen Inc. see Novo Nordisk A/S  
 (21) 2022218573

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022241478  
 (21) 2022241478 (22) 27.09.2022  
 (54) A device for exchanging gaming chips and cash currency  
 (51) Int. Cl.  
*G07D 11/00* ( 2019.01 )  
*A44C 21/00* ( 2006.01 )

*G07D 1/04* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2019287988  
 (72) SHIGETA, Yasushi  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022241498  
 (21) 2022241498 (22) 28.09.2022  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
*G07C 11/00* ( 2006.01 )  
*A47B 25/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (43) 20.10.2022  
 (62) 2021201556  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022235625  
 (21) 2022235625 (22) 23.09.2022  
 (54) Devices, methods, and graphical user interfaces for depth-based annotation  
 (51) Int. Cl.  
*G11B 27/036* ( 2006.01 )  
*A63F 13/213* ( 2014.01 )  
*G06F 3/048* ( 2013.01 )  
*G11B 27/34* ( 2006.01 )  
*H04N 5/232* ( 2006.01 )  
*H04N 5/262* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2019349408  
 (72) Malia, Joseph A.; Hauenstein, Mark K.; Sharma, Praveen; Stauber, Matan; Missig, Julian K.; Bernstein, Jeffrey T.; Girling, Lukas Robert Tom; Krenn, Matthias  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022235632  
 (21) 2022235632 (22) 23.09.2022  
 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces and interacting with control objects  
 (51) Int. Cl.  
*G06F 3/00* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2021202300  
 (72) Karunamuni, Chanaka G.; Alonso Ruiz, Marcos; De Vries, Nathan; Walkin, Brandon M.; Lemay, Stephen O.; Foss, Christopher P.; Stack, Caelan G.; Bernstein, Jeffrey T.; Missig, Julian K.; Dong, Linda L.; Kedia, Shubham; Wan, Wan

Si; Amini, Mani; Tyler, William M.; Suh, Bongsoo; Navidpour, Seyed M.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022235634  
 (21) 2022235634 (22) 23.09.2022  
 (54) Sharing user-configurable graphical constructs  
 (51) Int. Cl.  
*G06F 3/00* ( 2006.01 )  
*G06F 3/048* ( 2013.01 )  
*G06F 9/00* ( 2006.01 )  
*G06T 11/00* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2021203216  
 (72) Guzman, Aurelio; Lynch, Kevin; Wilson, Christopher; Salzman, Paul W.; Carr, Vera; Agnoli, Giovanni M.; Block, Eliza; Wilson, Eric Lance  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022241463  
 (21) 2022241463 (22) 26.09.2022  
 (54) Portable electronic device  
 (51) Int. Cl.  
*H04M 99/00* ( 2006.01 )  
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*B60W 30/12* ( 2020.01 )  
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*A47F 1/04* ( 2006.01 )  
*B07C 5/34* ( 2006.01 )  
*B65B 61/00* ( 2006.01 )  
*B65D 43/16* ( 2006.01 )  
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*B65G 1/137* ( 2006.01 )  
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*G01V 8/10* ( 2006.01 )  
*G05B 19/04* ( 2006.01 )  
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*C02F 1/50* ( 2006.01 )  
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*A01D 75/18* ( 2006.01 )  
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*E02D 27/48* ( 2006.01 )  
*E04B 1/24* ( 2006.01 )  
*E04B 1/343* ( 2006.01 )  
*E04B 1/35* ( 2006.01 )  
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*H05K 1/02* ( 2006.01 )  
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**B23K 37/04** ( 2006.01 )  
**H01L 31/05** ( 2014.01 )  
**H02S 99/00** ( 2014.01 )  
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**(43)** 20.10.2022  
**(72)** Chiu, Hsin-wang  
**(74)** Madderns Pty Ltd
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- (71)** Grando Building Services Pty Ltd  
**(11)** AU-A-2022202214  
**(21)** 2022202214 **(22)** 01.04.2022  
**(54)** A wall framing system  
**(51)** Int. Cl.  
**E04B 2/76** ( 2006.01 )  
**E04B 2/78** ( 2006.01 )  
**E06B 1/14** ( 2006.01 )  
**(31)** 2021900984 **(32)** 02.04.21 **(33)** AU  
**(43)** 20.10.2022  
**(72)** Yang, Tun  
**(74)** Patentec Patent Attorneys
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- (71)** Gray, R.  
**(11)** AU-A-2022235640  
**(21)** 2022235640 **(22)** 24.09.2022  
**(54)** CONFIGURABLE WIRELESS POWER CONTROL AND MANAGEMENT  
**(51)** Int. Cl.  
**G06F 13/00** ( 2006.01 )  
**G06F 21/00** ( 2013.01 )  
**(43)** 20.10.2022  
**(62)** 2017341674  
**(72)** Davis, Benjamin; Wisniewski, Gary; Davis, Barrie  
**(74)** SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD
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- (71)** Hanmi Pharm. Co., Ltd.  
**(11)** AU-A-2022209248  
**(21)** 2022209248 **(22)** 31.03.2022  
**(54)** Novel conjugate of immune-stimulating IL-2 analog and preparation method thereof  
**(51)** Int. Cl.  
**A61K 38/20** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(31)** 10-2021-0042305 **(32)** 31.03.21 **(33)** KR  
**(43)** 20.10.2022  
**(72)** HEO, Yong Ho; OH, Euh Lim; PARK, Da Hyeon; KIM, Jin Young; PARK, Jun Sub; KIM, Yu Yon; LEE, A. Ram; KIM, Sang Yun  
**(74)** WRAYS PTY LTD
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- (71)** Heba Pilates Ltd  
**(11)** AU-A-2022202074  
**(21)** 2022202074 **(22)** 25.03.2022  
**(54)** AN EXERCISE APPARATUS  
**(51)** Int. Cl.  
**A63B 21/02** ( 2006.01 )  
**A63B 21/00** ( 2006.01 )  
**A63B 22/00** ( 2006.01 )  
**A63B 23/035** ( 2006.01 )  
**A63B 26/00** ( 2006.01 )  
**(31)** 2104646.1 **(32)** 31.03.21 **(33)** GB
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- (43)** 20.10.2022  
**(72)** Wuttke, Moritz; Kellard, Samantha  
**(74)** Madderns Pty Ltd
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- (71)** HENSOLDT Sensors GmbH  
**(11)** AU-A-2022201692  
**(21)** 2022201692 **(22)** 11.03.2022  
**(54)** Additively Manufactured Structure and Method of Manufacturing the Same  
**(51)** Int. Cl.  
**B33Y 50/02** ( 2015.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 80/00** ( 2015.01 )  
**G01B 5/24** ( 2006.01 )  
**G01B 7/30** ( 2006.01 )  
**H05K 3/46** ( 2006.01 )  
**(31)** 21166339.8 **(32)** 31.03.21 **(33)** EP  
**(43)** 20.10.2022  
**(72)** Sander, Jörg; Balthes, Rolf; Salomon, Andreas; Zimmer, Felix; Hehn, Tobias  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71)** HONEYWELL INTERNATIONAL INC.  
**(11)** AU-A-2022201517  
**(21)** 2022201517 **(22)** 04.03.2022  
**(54)** METHOD AND SYSTEM FOR PARALLEL REDUNDANCY PROTOCOL IN CONNECTED NETWORKS  
**(51)** Int. Cl.  
**H04L 12/28** ( 2006.01 )  
**(31)** 17/222,178 **(32)** 05.04.21 **(33)** US  
**(43)** 20.10.2022  
**(72)** HARIDAS, Harshal; POLCYN, Brian; HANSON, Phillip; GANDHI, Amol  
**(74)** FPA Patent Attorneys Pty Ltd
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**(11)** AU-A-2022202075  
**(21)** 2022202075 **(22)** 25.03.2022  
**(54)** User Identification Verification in Association with Transferring Funds to a Gaming Table  
**(51)** Int. Cl.  
**A63F 3/00** ( 2006.01 )  
**A63F 1/00** ( 2006.01 )  
**A63F 5/00** ( 2006.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**G06Q 50/34** ( 2012.01 )  
**G07F 17/32** ( 2006.01 )  
**(31)** 17/220,591 **(32)** 01.04.21 **(33)** US  
**(43)** 20.10.2022  
**(72)** Shepherd, Jeffery; Higgins, Kevin  
**(74)** Clark Intellectual Property Pty Ltd
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**(11)** AU-A-2022202084  
**(21)** 2022202084 **(22)** 28.03.2022  
**(54)** Securing Gaming Establishment Retail Purchases  
**(51)** Int. Cl.  
**G06Q 50/34** ( 2012.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )
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**(43)** 20.10.2022  
**(72)** Shepherd, Jeffery; Higgins, Kevin  
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- (71)** IGT  
**(11)** AU-A-2022241468  
**(21)** 2022241468 **(22)** 26.09.2022  
**(54)** System and method for transferring funds from a financial institution device to a cashless wagering account accessible via a mobile device  
**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(43)** 20.10.2022  
**(62)** 2017210629  
**(72)** Petersen, Erik B.; Levin, Matthew; Davis, Dwayne A.; Higgins, Kevin; Miri, Sina  
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**(11)** AU-A-2022202107  
**(21)** 2022202107 **(22)** 29.03.2022  
**(54)** BASKETBALL RIM LOCKING COVER AND VOLLEYBALL TRAINER  
**(51)** Int. Cl.  
**A63B 69/00** ( 2006.01 )  
**(31)** 63/200,888 **(32)** 01.04.21 **(33)** US  
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**(43)** 20.10.2022  
**(72)** Seitz, Clay; Cornell, Robert W.  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** Intuit Inc.  
**(11)** AU-A-2021202845  
**(21)** 2021202845 **(22)** 05.05.2021  
**(54)** Framework for transaction categorization personalization  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**G06F 16/20** ( 2019.01 )  
**G06N 20/00** ( 2019.01 )  
**G06N 20/20** ( 2019.01 )  
**G06Q 10/10** ( 2012.01 )  
**(31)** 17/218,079 **(32)** 30.03.21 **(33)** US  
**(43)** 20.10.2022  
**(72)** Pei, Lei; Liu, Juan; Lu, Ruobing; Sun, Ying; Simpson, Heather Elizabeth; Ho, Nhung  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2021202846  
**(21)** 2021202846 **(22)** 05.05.2021  
**(54)** Categorizing transaction records  
**(51)** Int. Cl.  
**G06Q 40/00** ( 2012.01 )  
**G06F 16/35** ( 2019.01 )  
**G06N 5/02** ( 2006.01 )  
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 (21) 2022215281 (22) 18.01.2022  
 (54) Securing hash chains via hybrid consensus  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (21) 2022241476

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
 (11) AU-A-2022201763  
 (21) 2022201763 (22) 15.03.2022  
 (54) Gas processing equipment and gas processing method, and carbon dioxide capture system and carbon dioxide capture method  
 (51) Int. Cl.  
**B01D 53/75** ( 2006.01 )  
**B01D 53/14** ( 2006.01 )  
**B01D 53/46** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI  
 (11) AU-A-2022201961  
 (21) 2022201961 (22) 22.03.2022  
 (54) Valve Stem Seal Structure  
 (51) Int. Cl.  
**F01L 3/08** ( 2006.01 )  
**F16J 15/3232** ( 2016.01 )  
 (31) 2021-062693 (32) 01.04.21 (33) JP  
 (43) 20.10.2022  
 (72) NAKAGAWA, Takuma  
 (74) Griffith Hack

(71) Kindred Biosciences, Inc.  
 (11) AU-A-202228088  
 (21) 202228088 (22) 05.09.2022  
 (54) ERYTHROPOIETIN AND ANALOGS FOR VETERINARY USE  
 (51) Int. Cl.  
**C07K 14/505** ( 2006.01 )

**C07K 16/00** ( 2006.01 )  
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 (21) 2022201867 (22) 17.03.2022  
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 (51) Int. Cl.  
**B62D 33/06** ( 2006.01 )  
**B60H 1/26** ( 2006.01 )  
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 (43) 20.10.2022  
 (72) MATSUSHIMA, Shinnosuke  
 (74) Spruson & Ferguson

(71) Komatsu Ltd.  
 (11) AU-A-2022241486  
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 (54) Display control system and display control method  
 (51) Int. Cl.  
**H04N 7/18** ( 2006.01 )  
**E02F 9/20** ( 2006.01 )  
**E02F 9/26** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
**G09G 5/00** ( 2006.01 )  
**G09G 5/36** ( 2006.01 )  
**G09G 5/377** ( 2006.01 )  
**H04Q 9/00** ( 2006.01 )  
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 (72) DING, Qi; IBUSUKI, Yasuhiro; MORINAGA, Jun; MINAGAWA, Masanori  
 (74) FB Rice Pty Ltd

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 (11) AU-A-2022241485  
 (21) 2022241485 (22) 27.09.2022  
 (54) Gaming machine, control method for machine, and program for gaming machine  
 (51) Int. Cl.  
**A63F 9/24** ( 2006.01 )  
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 (72) OHNO, Yuji; SUDA, Satoshi; TANIGUCHI, Yuji  
 (74) Spruson & Ferguson

(71) Kverneland Group Nieuw-Vennep B.V.  
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 (54) Method for operating a spray fluid operation system for an agricultural sprayer, method for operating an agricultural sprayer, spray fluid operation system, and agricultural sprayer  
 (51) Int. Cl.  
**G05D 11/035** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )

**B05B 9/03** ( 2006.01 )  
**B05B 12/14** ( 2006.01 )  
**G05B 19/045** ( 2006.01 )  
 (31) 21166680.5 (32) 01.04.21 (33) EP  
 (43) 20.10.2022  
 (72) Beers, Johan C.; Korsuize, Vincent  
 (74) AJ Pietras IP Limited

(71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
 (11) AU-A-2022201856  
 (21) 2022201856 (22) 17.03.2022  
 (54) PROCESS AND PLANT FOR PRODUCING METHANOL AND AMMONIA  
 (51) Int. Cl.  
**C01B 3/02** ( 2006.01 )  
**C01B 3/38** ( 2006.01 )  
**C01B 3/52** ( 2006.01 )  
**C01B 3/58** ( 2006.01 )  
**C01C 1/04** ( 2006.01 )  
 (31) 21020173.7 (32) 31.03.21 (33) EP  
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 (72) Schmidt, Sophia; Cortale, Manon; Walter, Stefan; Haase, Stephan  
 (74) Madderns Pty Ltd

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 (11) AU-A-2022202106  
 (21) 2022202106 (22) 29.03.2022  
 (54) LOW PRESSURE CARBON SNOW INJECTOR  
 (51) Int. Cl.  
**B01D 45/16** ( 2006.01 )  
**C01B 32/55** ( 2017.01 )  
**F25D 3/10** ( 2006.01 )  
**F25D 3/12** ( 2006.01 )  
**F25J 1/00** ( 2006.01 )  
 (31) 21315060.0 (32) 01.04.21 (33) EP  
 (43) 20.10.2022  
 (72) Emanuelli, Marco; Trotta, Silvano  
 (74) Phillips Ormonde Fitzpatrick

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 (11) AU-A-2022202224  
 (21) 2022202224 (22) 01.04.2022  
 (54) CONTAINER FOR PRESSURIZED FLUID WITH ELECTRONIC DEVICE FOR CALCULATING REMAINING FLUID  
 (51) Int. Cl.  
**G01F 22/02** ( 2006.01 )  
**G01F 11/28** ( 2006.01 )  
**G01L 9/00** ( 2006.01 )  
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 (72) Mary, Alexis; Morin, Bertrand; Pateau, Valerie  
 (74) Phillips Ormonde Fitzpatrick

(71) Lam, T.T.  
 (11) AU-A-2022218536  
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(54) ADAPTIVE FLEXIBLE HYBRID ENERGY SYSTEMS OF SOLAR, WAVE AND WIND FOR UTILITY SCALE PLANTS  
 (51) Int. Cl.  
*F03G 7/10* ( 2006.01 )  
*F03B 13/12* ( 2006.01 )  
*F03B 17/06* ( 2006.01 )  
*F03D 9/00* ( 2016.01 )  
*F03D 13/25* ( 2016.01 )  
*F16H 19/06* ( 2006.01 )  
*F16H 41/02* ( 2006.01 )  
*B63B 35/44* ( 2006.01 )  
*F16H 19/08* ( 2006.01 )  
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 (72) Lam, Thanh Tri  
 (74) Thanh Tri Lam

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 (11) AU-A-2021201975  
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 (54) A stepping device  
 (51) Int. Cl.  
*E06C 7/08* ( 2006.01 )  
*E06C 1/34* ( 2006.01 )  
*E06C 1/38* ( 2006.01 )  
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 (72) Larsson, Stephen Frank  
 (74) Spruson & Ferguson

(71) LEE, N.H.  
 (11) AU-A-2022202190  
 (21) 2022202190 (22) 31.03.2022  
 (54) CONE ARRANGED SPEAKER  
 (51) Int. Cl.  
*H04R 1/02* ( 2006.01 )  
*G10K 11/28* ( 2006.01 )  
*H04R 1/32* ( 2006.01 )  
 (31) 10-2021-0043802 (32) 05.04.21 (33) KR  
 (43) 20.10.2022  
 (72) LEE, Nam Hae  
 (74) Collison & Co

(71) LEGRAND FRANCE; LEGRAND SNC  
 (11) AU-A-2022202109  
 (21) 2022202109 (22) 29.03.2022  
 (54) Electrical apparatus to allow or not allow a source of alternative current to supply a load, in accordance with orders received by radio frequency, and circuit including same  
 (51) Int. Cl.  
*H01H 47/02* ( 2006.01 )  
*H01H 9/54* ( 2006.01 )  
*H01H 47/22* ( 2006.01 )  
*H01H 50/04* ( 2006.01 )  
*H01H 50/64* ( 2006.01 )  
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 (11) AU-A-2021202075  
 (21) 2021202075 (22) 05.04.2021  
 (54) A MULTIDIRECTIONAL PUNCHING MACHINE FOR UNDERTAKING A PLURALITY OF EFFECTS ON A SHAPED MEMBER  
 (51) Int. Cl.  
*B21D 28/24* ( 2006.01 )  
*B21D 28/04* ( 2006.01 )  
*B21D 28/34* ( 2006.01 )  
*B21D 35/00* ( 2006.01 )  
*B21D 37/12* ( 2006.01 )  
 (43) 20.10.2022  
 (72) LI, Yongguang  
 (74) Baxter Patent Attorneys Pty Ltd

(71) LiteCure, LLC  
 (11) AU-A-2022231660  
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 (54) Light therapy apparatuses and methods  
 (51) Int. Cl.  
*A61N 5/06* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/1455* ( 2006.01 )  
*A61B 5/24* ( 2021.01 )  
*A61F 7/00* ( 2006.01 )  
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 (72) Swienton, Brian F.; Detaboada, Luis; Harrison, James  
 (74) Griffith Hack

(71) Magic Leap, Inc.  
 (11) AU-A-2022241459  
 (21) 2022241459 (22) 26.09.2022  
 (54) Technique for recording augmented reality data  
 (51) Int. Cl.  
*G03B 19/02* ( 2021.01 )  
*G02B 27/01* ( 2006.01 )  
*G03B 19/18* ( 2021.01 )  
*G06F 3/01* ( 2006.01 )  
*G06T 13/40* ( 2011.01 )  
*G06T 19/20* ( 2011.01 )  
*H04N 19/60* ( 2014.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Manitou Italia S.r.l.  
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 (21) 2022201444 (22) 02.03.2022  
 (54) Telehandler with facilitated ascent and descent  
 (51) Int. Cl.  
*B66F 9/075* ( 2006.01 )  
*B66B 29/08* ( 2006.01 )  
*B66F 17/00* ( 2006.01 )  
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 (72) IOTTI, Marco  
 (74) Spruson & Ferguson

(71) MATLOOB, M.  
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 (54) Kantado music App  
 (51) Int. Cl.  
*G06Q 90/00* ( 2006.01 )  
*G06Q 30/06* ( 2012.01 )  
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 (74) MAHMOOD MATLOOB

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 (54) Vehicle Mirrors  
 (51) Int. Cl.  
*B60R 1/078* ( 2006.01 )  
*B60R 1/02* ( 2006.01 )  
 (31) 2021900979 (32) 01.04.21 (33) AU  
 (43) 20.10.2022  
 (72) Miles, Shane  
 (74) Ahearn Fox

(71) Minerva Neurosciences, Inc.  
 (11) AU-A-2022241458  
 (21) 2022241458 (22) 26.09.2022  
 (54) Use of phenoxypropylamine compounds to treat depression  
 (51) Int. Cl.  
*A61K 31/41* ( 2006.01 )  
*A61K 31/4245* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
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 (72) PELLEGRINI, Lorenzo; KARABELAS, Argeris; LUTHRINGER, Remy  
 (74) Spruson & Ferguson

(71) Navico Holding AS  
 (11) AU-A-2022202006  
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 (54) AUTOMATIC NAVIGATION OF A MARINE ENVIRONMENT AREA  
 (51) Int. Cl.  
*G01S 7/56* ( 2006.01 )  
*B63B 49/00* ( 2006.01 )  
*B63B 51/00* ( 2006.01 )  
*G01C 21/00* ( 2006.01 )  
*G01S 15/89* ( 2006.01 )  
*G01S 15/96* ( 2006.01 )  
 (31) 17/218,492 (32) 31.03.21 (33) US  
 (43) 20.10.2022  
 (72) HUNT, Matthew David  
 (74) AJ PARK

(71) Ningbo Fenghua Rising New Energy Technology Co., Ltd  
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 (54) BIDIRECTIONAL SELF-LOCKING DAMPER  
 (51) Int. Cl.  
*F16F 9/18* ( 2006.01 )  
*F16F 9/32* ( 2006.01 )  
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 (31) 202110341652.1 (32) 30.03.21 (33) CN

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 (74) LESICAR MAYNARD ANDREWS PTY LTD

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 (11) AU-A-2021229174  
 (21) 2021229174 (22) 08.09.2021  
 (54) Apparatus and system for zero-knowledge proof performed in multi-party computation  
 (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )  
*H04W 12/06* ( 2021.01 )  
 (31) 2021-063738 (32) 02.04.21 (33) JP  
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 (72) Kawaguchi, Masashi  
 (74) FPA Patent Attorneys Pty Ltd

(71) Novartis AG  
 (11) AU-A-2022209328  
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 (54) PHARMACEUTICAL COMBINATIONS  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
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 (43) 20.10.2022  
 (62) 2019240200  
 (72) FERRETTI, Stephane; GUERREIRO, Nelson; HALILOVIC, Ensar; JEAY, Sebastien; JULLION, Astrid; LIANG, Jinsheng; MEILLE, Christophe; WANG, Hui-Qin; WUERTHNER, Jens  
 (74) Davies Collison Cave Pty Ltd

(71) Novo Nordisk A/S; Amgen Inc.  
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 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
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(71) Otsuka Pharmaceutical Co., Ltd.  
 (11) AU-A-2022241491  
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 (54) Injectable preparation  
 (51) Int. Cl.  
*A61K 9/06* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/32* ( 2006.01 )  
*A61K 47/38* ( 2006.01 )  
*A61P 25/18* ( 2006.01 )  
*A61P 25/24* ( 2006.01 )

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 (72) KANEKO, Daiki; MATSUDA, Takakuni; HOSHIKA, Yusuke  
 (74) Davies Collison Cave Pty Ltd

(71) Poseida Therapeutics, Inc.  
 (11) AU-A-2022235633  
 (21) 2022235633 (22) 23.09.2022  
 (54) Modified stem cell memory T cells, methods of making and methods of using same  
 (51) Int. Cl.  
*C12N 5/0783* ( 2010.01 )  
*A61K 35/17* ( 2015.01 )  
 (43) 20.10.2022  
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 (72) OSTERTAG, Eric; SHEDLOCK, Devon  
 (74) Spruson & Ferguson

(71) Powerace Pty Ltd  
 (11) AU-A-2021202055  
 (21) 2021202055 (22) 01.04.2021  
 (54) RIPPER ASSEMBLY  
 (51) Int. Cl.  
*A01B 15/02* ( 2006.01 )  
*A01B 15/18* ( 2006.01 )  
*A01C 5/06* ( 2006.01 )  
*E02F 3/815* ( 2006.01 )  
*A01B 13/02* ( 2006.01 )  
*E02F 5/32* ( 2006.01 )  
 (43) 20.10.2022  
 (72) Borgward, Grant  
 (74) Mann IP

(71) Power and Water Corporation  
 (11) AU-A-2021218175  
 (21) 2021218175 (22) 20.08.2021  
 (54) Utility Pole Rehabilitation Fixture and Method  
 (51) Int. Cl.  
*E04H 12/34* ( 2006.01 )  
*H02G 3/04* ( 2006.01 )  
 (31) 2021900952 (32) 31.03.21 (33) AU  
 (43) 20.10.2022  
 (72) Bashir, Ibtesam; Rappa, Robert Bruce; Kahl, Gavin Louis; Lardner, Dave Andrew; Vlahovic, Stephen Thomas; Easie, Stuart Ryan; Creek, Samuel William; Murtagh, Michael Shane; Petch, Jai Lee; Grice, Peter Russell  
 (74) Phillips Ormonde Fitzpatrick

(71) Precision Planting LLC  
 (11) AU-A-2022241484  
 (21) 2022241484 (22) 27.09.2022  
 (54) Seed delivery apparatus, systems, and methods  
 (51) Int. Cl.  
*A01C 7/16* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2021203302  
 (72) RADTKE, Ian R.; HODEL, Jeremy J.  
 (74) Spruson & Ferguson

(71) Prime Forming & Construction Supplies, Inc., dba Fitzgerald Formliners  
 (11) AU-A-2022241496  
 (21) 2022241496 (22) 28.09.2022  
 (54) Formliner for forming a pattern in curable material and method of use  
 (51) Int. Cl.  
*B28B 7/36* ( 2006.01 )  
*B29C 39/00* ( 2006.01 )  
*E04B 2/84* ( 2006.01 )  
*E04F 21/04* ( 2006.01 )  
*E04G 9/10* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2016380689  
 (72) Sheehan, Brian Eugene; Fitzgerald, Edward Daniel  
 (74) Davies Collison Cave Pty Ltd

(71) Provectus Pharmatech, Inc.; UTI Limited Partnership  
 (11) AU-A-2021433087  
 (21) 2021433087 (22) 29.09.2021  
 (54) Halogenated xanthenes as vaccine adjuvants  
 (51) Int. Cl.  
*A61K 31/4178* ( 2006.01 )  
*A61K 31/5383* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
 (31) 17/212,723 (32) 25.03.21 (33) US  
 (43) 20.10.2022  
 (72) NARENDRAN, Aru; RODRIGUES, Dominic; PERSHING, Edward V.; HOROWITZ, Bruce  
 (74) FPA Patent Attorneys Pty Ltd

(71) RGene, Inc.  
 (11) AU-A-2022231746  
 (21) 2022231746 (22) 15.09.2022  
 (54) Multiple ligase compositions, systems, and methods  
 (51) Int. Cl.  
*C12N 9/00* ( 2006.01 )  
*C07H 21/04* ( 2006.01 )  
*C07K 14/01* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
*C12P 19/34* ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2017218431  
 (72) Hong, Manqing; Zheng, Yu  
 (74) Griffith Hack

(71) Roden, R.; Arfanis, J.  
 (11) AU-A-2022202071  
 (21) 2022202071 (22) 25.03.2022  
 (54) Tradesperson holder apparatus  
 (51) Int. Cl.  
*B25H 3/06* ( 2006.01 )  
*B25H 3/02* ( 2006.01 )  
*E06C 7/14* ( 2006.01 )  
*B65D 1/24* ( 2006.01 )  
*B65D 1/36* ( 2006.01 )  
 (31) 2021900968 (32) 01.04.21 (33) AU  
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 (72) Roden, Ryan; Arfanis, Jaiden  
 (74) Patentec Patent Attorneys

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 (11) AU-A-2022231662  
 (21) 2022231662 (22) 12.09.2022  
 (54) POROUS GRAPHENE-BASED FILMS AND PROCESSES FOR PREPARING THE FILMS  
 (51) Int. Cl.  
**C01B 32/192** ( 2017.01 )  
**B01D 71/02** ( 2006.01 )  
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 (62) 2017320334  
 (72) Lin, Han; Jia, Baohua  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2022241475  
 (21) 2022241475 (22) 27.09.2022  
 (54) VIDEO DECODING METHOD AND APPARATUS AND VIDEO ENCODING METHOD AND APPARATUS  
 (51) Int. Cl.  
**H04N 19/105** ( 2014.01 )  
**H04N 19/109** ( 2014.01 )  
**H04N 19/117** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
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 (72) Alshin, Alexander; Alshina, Elena  
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 (11) AU-A-2021258032  
 (21) 2021258032 (22) 28.10.2021  
 (54) ROUTING SQL STATEMENTS TO ELASTIC COMPUTE NODES USING WORKLOAD CLASS  
 (51) Int. Cl.  
**G06F 16/27** ( 2019.01 )  
**G06F 16/2458** ( 2019.01 )  
 (31) 17/217,412 (32) 30.03.21 (33) US  
 (43) 20.10.2022  
 (72) Choi, Jaeyoung; Kim, Deok Hoe; Kim, Kyu Hwan; Lee, Chae Kwang; Lee, Jane Jung; Lee, Juchang  
 (74) Griffith Hack
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- (71) Schneider Electric Industries SAS  
 (11) AU-A-2022202120  
 (21) 2022202120 (22) 29.03.2022  
 (54) LOCKING SYSTEM FOR A CIRCUIT BREAKER  
 (51) Int. Cl.  
**H01H 3/00** ( 2006.01 )  
**E05B 65/00** ( 2006.01 )  
**H01H 1/00** ( 2006.01 )  
**H01H 9/00** ( 2006.01 )  
**H01H 33/00** ( 2006.01 )  
**H01H 71/00** ( 2006.01 )  
 (31) 2103280 (32) 30.03.21 (33) FR  
 (43) 20.10.2022  
 (72) Biscarat-Aymes, Stéphane; Blochouse, Philippe; Bertoul, Ouajdi; Wolozan, Stéphane  
 (74) Madderns Pty Ltd
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- (71) Sera Prognostics, Inc.  
 (11) AU-A-2022241477  
 (21) 2022241477 (22) 27.09.2022  
 (54) BIOMARKER PAIRS FOR PREDICTING PRETERM BIRTH  
 (51) Int. Cl.  
**G01N 33/48** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/50** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
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**G07F 17/32** ( 2006.01 )  
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 (72) Gassman, Andrew; Flick, Jeff; Polpitiya, Ashoka; Hickok, Durlin Edward; Kearney, Paul; Critchfield, Gregory Charles; Fleischer, Tracey; Boniface, John Jay; Bradford, Chad  
 (74) FB Rice Pty Ltd
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- (71) Smiths Medical ASD, Inc.  
 (11) AU-A-2022241488  
 (21) 2022241488 (22) 27.09.2022  
 (54) CATHETER INSERTION DEVICE WITH IMPROVED FLASHBACK RESPONSE  
 (51) Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 5/158** ( 2006.01 )  
**A61M 5/32** ( 2006.01 )  
**A61M 25/06** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2020231412  
 (72) EBNER, Timothy; FELICITO, Kathryn; CHHEDA, Harsh  
 (74) Michael Buck IP
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- (71) Solar Ltd.  
 (11) AU-A-2022203357  
 (21) 2022203357 (22) 18.05.2022  
 (54) Inflatable motor boat  
 (51) Int. Cl.  
**B63B 7/00** ( 2020.01 )  
**B63B 7/08** ( 2020.01 )  
**B63B 34/10** ( 2020.01 )  
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 (62) 2019429632  
 (72) LOSEV, Mihail Viktorovich; CHESNOKOV, Sergey Valer'evich; PINEKER, Vyacheslav Ivanovich  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) Star Luminal LLC  
 (11) AU-A-2022235597  
 (21) 2022235597 (22) 22.09.2022  
 (54) SYSTEM OF MEDICAL INDICATORS HAVING MULTISENSORY, MULTIPURPOSE AND MULTIFUNCTIONAL FEATURES  
 (51) Int. Cl.  
**A61B 90/90** ( 2016.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 39/08** ( 2006.01 )  
**G09F 3/00** ( 2006.01 )  
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 (72) Gehrke, Jason Michael; Joung, J. Keith  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021250952  
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 (54) Method for Operating Health-Care Device  
 (51) Int. Cl.  
**A61H 39/04** ( 2006.01 )  
**A61H 39/06** ( 2006.01 )  
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 (74) Golja Haines & Friend
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- (71) The Boeing Company  
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 (54) Tie-rod with a swivel end  
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 (74) Spruson & Ferguson
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- (71) The Chinese University of Hong Kong  
 (11) AU-A-2022224861  
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 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
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 (62) 2016295616  
 (72) Chan, Kwan Chee; Jiang, Peiyong; Lo, Yuk-Ming Dennis; Chiu, Rossa Wai Kwun  
 (74) Griffith Hack
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- (71) The General Hospital Corporation  
 (11) AU-A-2022235639  
 (21) 2022235639 (22) 24.09.2022  
 (54) Epigenetically regulated site-specific nucleases  
 (51) Int. Cl.  
**C12N 15/00** ( 2006.01 )  
**A61K 38/54** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C12N 15/87** ( 2006.01 )  
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 (11) AU-A-2022201475  
 (21) 2022201475 (22) 03.03.2022  
 (54) Mooring device  
 (51) Int. Cl.  
**B63B 21/00** ( 2006.01 )  
 (31) 17/219,853 (32) 31.03.21 (33) US  
 (43) 20.10.2022  
 (72) Gonzales, Steven Brant; Roberts, J. Scott  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2022202114 (22) 29.03.2022  
 (54) Mooring device  
 (51) Int. Cl.  
**B63B 21/00** ( 2006.01 )  
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 (72) Vanberg, Randy; Roberts, John; Aare, Sandeep; Pednekar, Pankaj  
 (74) FPA Patent Attorneys Pty Ltd

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(71) The Provost, Fellows, Scholars and Other Members of Board of Trinity College Dublin  
 (11) AU-A-2022204455  
 (21) 2022204455 (22) 23.06.2022  
 (54) A METHOD OF PRODUCING A LOW-LACTOSE MILK PROTEIN ISOLATE  
 (51) Int. Cl.  
**A23C 9/142** ( 2006.01 )  
**A23J 1/20** ( 2006.01 )  
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 (72) Babu, Ramesh; Pednekar, Mukesh  
 (74) Madderns Pty Ltd

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(71) The Regents of the University of California  
 (11) AU-A-2022241497  
 (21) 2022241497 (22) 28.09.2022  
 (54) Implants using ultrasonic waves for stimulating tissue  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
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 (72) Maharbiz, Michel M.; Seo, Dongjin; Shen, Konlin; Carmena, Jose M.; Neely, Ryan; Alon, Elad; Rabaey, Jan  
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 (21) 2022201763

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Tran, A. see Trans Air-Conditioning  
 (21) 2021202027

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(71) Trans Air-Conditioning; Tran, A.  
 (11) AU-A-2021202027  
 (21) 2021202027 (22) 31.03.2021  
 (54) AIR EXTRACTION AND STERILISATION SYSTEM FOR TREATMENT OF INDOOR AIRBORNE VIRUSES  
 (51) Int. Cl.  
**F24F 8/22** ( 2021.01 )  
**A61L 9/20** ( 2006.01 )  
**F24F 7/003** ( 2021.01 )  
 (43) 20.10.2022  
 (72) Tran, Anh  
 (74) Trans Air-Conditioning

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(71) Transocean Innovation Labs, Ltd  
 (11) AU-A-2022241494  
 (21) 2022241494 (22) 27.09.2022  
 (54) Manifolds for providing hydraulic fluid to a subsea blowout preventer and related methods  
 (51) Int. Cl.  
**E21B 34/04** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2021200401  
 (72) Babbitt, Guy Robert; Kersey, James Edward; Echter, Nicholas Paul; Weyer-Geigel, Kristina  
 (74) Griffith Hack

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(71) Transportation IP Holdings, LLC  
 (11) AU-A-2022240945  
 (21) 2022240945 (22) 26.09.2022  
 (54) BRAKE CONTROL SYSTEM  
 (51) Int. Cl.  
**B60T 13/66** ( 2006.01 )  
**B60T 17/22** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2020294237  
 (72) Kumar, Ajith Kuttannair; Meyer, Brian; Wiesner, Chris; Ensley, Matthew; Lacy, Patricia Sue  
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(71) Trustees of Tufts College  
 (11) AU-A-2022235540  
 (21) 2022235540 (22) 20.09.2022  
 (54) COMPOSITIONS AND METHODS FOR STABILIZATION OF ACTIVE AGENTS  
 (51) Int. Cl.  
**A61K 47/42** ( 2017.01 )  
**A61J 1/00** ( 2006.01 )  
**A61K 35/76** ( 2015.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 39/165** ( 2006.01 )  
**A61K 39/20** ( 2006.01 )  
**A61M 5/00** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
 (43) 20.10.2022  
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 (72) Kaplan, David L.; Omenetto, Fiorenzo  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2022235644  
 (21) 2022235644 (22) 26.09.2022  
 (54) Selective androgen receptor degrader (SARD) ligands and methods of use thereof  
 (51) Int. Cl.  
**C07C 271/02** ( 2006.01 )  
**A61K 31/325** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2017278314  
 (72) Hwang, Dong-Jin; He, Yali; Miller, Duane; Narayanan, Ramesh; Pon-nusamy, Thamarai  
 (74) Griffith Hack

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(71) Upside Foods, Inc.  
 (11) AU-A-2022241490  
 (21) 2022241490 (22) 27.09.2022  
 (54) Apparatuses and systems for preparing a meat product  
 (51) Int. Cl.  
**C12M 1/12** ( 2006.01 )  
**A23L 13/00** ( 2016.01 )  
**C12M 1/00** ( 2006.01 )  
**C12M 1/26** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2020386085  
 (72) LEUNG, Matthew; CARSWELL, Kathleen; WARNER, Michelle; VANDER-POL, Ryan Edward; HSIU, Thomas Pei-Ja  
 (74) Blackwattle IP

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UTI Limited Partnership see Provectus Pharmatech, Inc.  
 (21) 2021433087

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(71) Visa International Service Association  
 (11) AU-A-2022241492  
 (21) 2022241492 (22) 27.09.2022  
 (54) SYSTEMS AND METHODS FOR RECORDING DATA REPRESENTING MULTIPLE INTERACTIONS  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**H04L 9/08** ( 2006.01 )  
 (43) 20.10.2022  
 (62) 2018257949  
 (72) Thekadath, Ajith; Mukherjee, Suman; Jacobs, Mondo; Henstock, David  
 (74) PHILLIPS ORMONDE FITZPATRICK

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Wall, J. see Williams, S.  
 (21) 2022241476

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(71) Wang, X.  
 (11) AU-A-2021380857  
 (21) 2021380857 (22) 07.07.2021  
 (54) Vibration motor, rhythm device, rhythm mattress, rhythm sofa and rhythm deck chair

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**A61H 23/02** ( 2006.01 )
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- (43) 20.10.2022
- (72) WANG, Xiaobing; WANG, Jicheng;  
WANG, Fuchang
- (74) Madderns Pty Ltd
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- (71) We Are Three Pty Ltd  
(11) AU-A-2021221539  
(21) 2021221539 (22) 24.08.2021  
(54) Head stabilisation and relaxation device
- (51) Int. Cl.  
**A47C 7/38** ( 2006.01 )  
**A61F 5/37** ( 2006.01 )
- (31) 2021900935 (32) 30.03.21 (33) AU  
(43) 20.10.2022
- (72) LACEY, Mark Stephen
- (74) Spruson & Ferguson
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- (71) Well Equipment Solutions Holdings Pty  
Ltd
- (11) AU-A-2022201844  
(21) 2022201844 (22) 16.03.2022  
(54) Coagulation/Flocculation method
- (51) Int. Cl.  
**C02F 1/52** ( 2006.01 )  
**C02F 103/06** ( 2006.01 )
- (31) 2021900963 (32) 31.03.21 (33) AU  
(43) 20.10.2022
- (72) BOUGOURE, Allan Douglas; GUST-  
AFSON, Adrian Mark; DEERY, Sam  
Thomas; STANGHERLIN, Guido; JEN-  
NER, Richard
- (74) Spruson & Ferguson
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- (71) Williams, S.; Wall, J.; K&N Engineering,  
Inc.
- (11) AU-A-2022241476  
(21) 2022241476 (22) 27.09.2022  
(54) Reusable air filter system and method
- (51) Int. Cl.  
**B01D 46/02** ( 2006.01 )  
**B01D 46/10** ( 2006.01 )  
**B01D 46/24** ( 2006.01 )  
**B01D 46/52** ( 2006.01 )
- (43) 20.10.2022  
(62) 2017238803
- (72) Wall, Jere James; Williams, Steve
- (74) Davies Collison Cave Pty Ltd
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- (71) WORONORA NETWORK SDN BHD  
(11) AU-A-2021286339  
(21) 2021286339 (22) 15.12.2021  
(54) METHOD AND APPARATUS OF  
CHARGING THE BATTERY WITH IN-  
TEGRAL DEGRADATION FOR PRE-  
DEFINED CHARGING DURATION
- (51) Int. Cl.  
**H02J 7/04** ( 2006.01 )  
**G05B 1/01** ( 2006.01 )  
**G05B 13/04** ( 2006.01 )  
**G05B 17/02** ( 2006.01 )  
**H01M 10/44** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )
- (31) PI2021001725 (32) 30.03.21 (33) MY
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- (43) 20.10.2022
- (72) KUPPUSAMY, Manivanan
- (74) MOHAN MURALI KODIVEL
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- (71) WTI, Inc.  
(11) AU-A-2022235629  
(21) 2022235629 (22) 23.09.2022  
(54) Concentrated natural food additive and  
methods of preparing the same
- (51) Int. Cl.  
**A23B 4/12** ( 2006.01 )  
**A23L 27/00** ( 2016.01 )
- (43) 20.10.2022  
(62) 2020267291
- (72) Ludwig, Wolfgang Peter; Hyuseinov, Er-  
tan Ergyunov
- (74) FB Rice Pty Ltd
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- (71) Yale University  
(11) AU-A-2022235636  
(21) 2022235636 (22) 23.09.2022  
(54) Compositions for treating pathological  
calcification conditions, and methods  
using same
- (51) Int. Cl.  
**C12N 9/96** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )
- (43) 20.10.2022  
(62) 2016264364
- (72) BRADDOCK, Demetrios; ALBRIGHT,  
Ronald
- (74) Spruson & Ferguson
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- (71) Zebra Technologies Corporation  
(11) AU-A-2022200911  
(21) 2022200911 (22) 11.02.2022  
(54) Methods and apparatuses to indicate  
off-platter weigh conditions
- (51) Int. Cl.  
**G01G 19/20** ( 2006.01 )  
**G01G 19/62** ( 2006.01 )  
**G01G 23/04** ( 2006.01 )
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(43) 20.10.2022
- (72) FJELLSTAD, Christopher J.; BARKAN,  
Edward; HANDSHAW, Darran Michael;  
ASTVATSATUROV, Yuri
- (74) Spruson & Ferguson

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**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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|---|--|
| <p>(71) Beck, J.; Smith, M.<br/>                 (11) AU-A-2022100128<br/>                 (21) 2022100128 (22) 15.09.2022<br/>                 (54) A cutting tool holding arrangement for a coal shearer drum tool holder and method of utilisation thereof<br/>                 (51) Int. Cl.<br/> <i>E21C 35/197</i> ( 2006.01 )<br/> <i>E21C 35/18</i> ( 2006.01 )<br/> <i>E21C 35/183</i> ( 2006.01 )<br/> <i>E21C 35/19</i> ( 2006.01 )<br/>                 (45) 20.10.2022<br/>                 (62) 2021105198<br/>                 (72) Smith, Matthew; Beck, Joel<br/>                 (74) Patentec Patent Attorneys</p> | <p><i>G06K 7/14</i> ( 2006.01 )<br/> <i>G06Q 10/02</i> ( 2012.01 )<br/> <i>G06Q 30/06</i> ( 2012.01 )<br/>                 (45) 20.10.2022<br/>                 (62) 2021104854<br/>                 (72) Gong, Robert; Liu, Bailin<br/>                 (74) LIU &amp; WU INVESTMENTS PTY LTD</p> |
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| <p>(71) Best 1 Pet Food Company Pty Ltd<br/>                 (11) AU-A-2022100132<br/>                 (21) 2022100132 (22) 16.09.2022<br/>                 (54) DOG FOOD STRIP AND USE THERE-OF IN WEIGHT MANAGEMENT<br/>                 (51) Int. Cl.<br/> <i>A23K 40/00</i> ( 2016.01 )<br/> <i>A21D 13/02</i> ( 2006.01 )<br/> <i>A23K 10/20</i> ( 2016.01 )<br/> <i>A23K 10/30</i> ( 2016.01 )<br/> <i>A23K 50/42</i> ( 2016.01 )<br/> <i>A23K 20/158</i> ( 2016.01 )<br/> <i>A23K 20/26</i> ( 2016.01 )<br/>                 (45) 20.10.2022<br/>                 (62) 2021201541<br/>                 (72) Salamon, Samantha; Chappelow, Craig<br/>                 (74) Kevin Ashby</p> | <p>(71) Pilbara Conveyor Supplies Pty Ltd<br/>                 (11) AU-A-2022100130<br/>                 (21) 2022100130 (22) 15.09.2022<br/>                 (54) Blade assembly<br/>                 (51) Int. Cl.<br/> <i>B65G 45/12</i> ( 2006.01 )<br/>                 (45) 20.10.2022<br/>                 (62) 2020257161<br/>                 (72) Morris, Jack Joseph<br/>                 (74) Minter Ellison</p> |
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|---|--|
| <p>(71) Hainstock, A.<br/>                 (11) AU-A-2021107668<br/>                 (21) 2021107668 (22) 24.08.2021<br/>                 (54) EXERCISE GARMENT<br/>                 (51) Int. Cl.<br/> <i>A63B 23/04</i> ( 2006.01 )<br/> <i>A63B 21/00</i> ( 2006.01 )<br/> <i>A41D 1/08</i> ( 2018.01 )<br/>                 (45) 20.10.2022<br/>                 (72) HAINSTOCK, Alex<br/>                 (74) Halfords IP</p> | <p>(71) Sener, Ingenieria Y Sistemas, S.A.<br/>                 (11) AU-A-2020104487<br/>                 (21) 2020104487 (22) 20.05.2020<br/>                 (54) Ventilation control system for an under-ground<br/>                 (51) Int. Cl.<br/> <i>E21F 1/00</i> ( 2006.01 )<br/>                 (31) P202030164 (32) 27.02.20 (33) ES<br/>                 (45) 20.10.2022<br/>                 (72) PERIS SAYOL, Guillem; SANZ SACRISTÁN, Juan Manuel<br/>                 (74) DAVIS IP PTY LTD</p> |
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|---|---|
| <p>(71) LIU &amp; WU INVESTMENTS PTY LTD<br/>                 (11) AU-A-2022100134<br/>                 (21) 2022100134 (22) 23.09.2022<br/>                 (54) A system and method for a user to control operation of a vehicle<br/>                 (51) Int. Cl.<br/> <i>G07C 9/00</i> ( 2020.01 )<br/> <i>B60R 25/24</i> ( 2013.01 )<br/> <i>B60W 50/08</i> ( 2020.01 )<br/> <i>G06Q 50/30</i> ( 2012.01 )<br/> <i>G07C 5/00</i> ( 2006.01 )<br/> <i>B60W 50/00</i> ( 2006.01 )</p> | <p>(71) Shenzhen Carku Technology Co., Limited<br/>                 (11) AU-A-2022100136<br/>                 (21) 2022100136 (22) 28.09.2022<br/>                 (54) ON-BOARD STARTING POWER SUPPLY<br/>                 (51) Int. Cl.<br/> <i>H02J 7/00</i> ( 2006.01 )<br/>                 (45) 20.10.2022<br/>                 (62) 2018439818<br/>                 (72) LEI, Yun; ZHANG, Zhifeng<br/>                 (74) Madderns Pty Ltd</p> |
|---|---|
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- Smith, M. see Beck, J.**  
 (21) 2022100128

**Numerical Index**

**2020104487** Sener, Ingenieria Y Sistemas, S.A.  
**2021107668** Hainstock, A.  
**2022100128** Beck, J.; Smith, M.  
**2022100130** Pilbara Conveyor Supplies Pty Ltd  
**2022100132** Best 1 Pet Food Company Pty Ltd  
**2022100134** LIU & WU INVESTMENTS PTY LTD  
**2022100136** Shenzhen Carku Technology Co., Limited

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<b><u>A21D 13 /-</u></b>	<b><u>G07C 9 /-</u></b>
2022100132	2022100134
<b><u>A23K 10 /-</u></b>	<b><u>H02J 7 /-</u></b>
2022100132	2022100136
<b><u>A23K 20 /-</u></b>	<b><u>No IPC Mark</u></b>
2022100132	
<b><u>A23K 40 /-</u></b>	
2022100132	
<b><u>A23K 50 /-</u></b>	
2022100132	
<b><u>A41D 1 /-</u></b>	
2021107668	
<b><u>A63B 21 /-</u></b>	
2021107668	
<b><u>A63B 23 /-</u></b>	
2021107668	
<b><u>B60R 25 /-</u></b>	
2022100134	
<b><u>B60W 50 /-</u></b>	
2022100134	
<b><u>B65G 45 /-</u></b>	
2022100130	
<b><u>E21C 35 /-</u></b>	
2022100128	
<b><u>E21F 1 /-</u></b>	
2020104487	
<b><u>G06K 7 /-</u></b>	
2022100134	
<b><u>G06Q 10 /-</u></b>	
2022100134	
<b><u>G06Q 30 /-</u></b>	
2022100134	
<b><u>G06Q 50 /-</u></b>	
2022100134	
<b><u>G07C 5 /-</u></b>	
2022100134	

PCT applications which have entered the National Phase

Name Index

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

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(71) 4C Medical Technologies, Inc.  
 (11) AU-A-2021231656  
 (21) 2021231656 (22) 02.02.2021  
 (54) Prosthetic mitral valve with improved atrial and/or annular apposition and paravalvular leakage mitigation  
 (51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61F 2/00** ( 2006.01 )  
**A61F 2/02** ( 2006.01 )  
**A61F 2/04** ( 2013.01 )  
**A61F 2/82** ( 2013.01 )  
 (87) WO2021/178085  
 (31) 62/985,411 (32) 05.03.20 (33) US  
 17/163,910 01.02.21 US  
 (43) 10.09.2021  
 (72) KUMAR, Saravana B.; KRUSE, Steven D.; STONE, Jeffrey R.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) 4D Molecular Therapeutics Inc.  
 (11) AU-A-2021263563  
 (21) 2021263563 (22) 26.04.2021  
 (54) Codon optimized GLA genes and uses thereof  
 (51) Int. Cl.  
**A61K 35/761** ( 2015.01 )  
**A61K 38/47** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
 (87) WO2021/222094  
 (31) 63/114,195 (32) 16.11.20 (33) US  
 63/016,207 27.04.20 US  
 (43) 04.11.2021  
 (72) KIRN, David H.; KOTTERMAN, Melissa; FRANCIS, Peter; SCHAFFER, David; SZYMANSKI, Paul; WHITTLESEY, Kevin  
 (74) WRAYS PTY LTD

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(71) 4TEEN4 Pharmaceuticals GmbH  
 (11) AU-A-2021228207  
 (21) 2021228207 (22) 26.02.2021  
 (54) DPP3 for therapy guidance, monitoring and stratification of nt-ADM antibodies in patients with shock  
 (51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
 (87) WO2021/170838  
 (31) 20159848.9 (32) 27.02.20 (33) EP  
 (43) 02.09.2021  
 (72) BERGMANN, Andreas  
 (74) Davies Collison Cave Pty Ltd

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(71) A28 Therapeutics Inc.  
 (11) AU-A-2021244606  
 (21) 2021244606 (22) 26.03.2021  
 (54) Lytic domain fusion constructs, checkpoint inhibitors, and methods of making and using same

(51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 38/10** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C07K 14/72** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
 (87) WO2021/195553  
 (31) 63/000,322 (32) 26.03.20 (33) US  
 (43) 30.09.2021  
 (72) LEUSCHNER, Carola; ALILA, Hector; SOOD, Anil; KIM, Mark  
 (74) AJ PARK

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(71) A-Alpha Bio, Inc.  
 (11) AU-A-2021269475  
 (21) 2021269475 (22) 13.04.2021  
 (54) High-throughput screening methods to identify small molecule targets  
 (51) Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**C12N 9/00** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
 (87) WO2021/231013  
 (31) 63/023,181 (32) 11.05.20 (33) US  
 (43) 18.11.2021  
 (72) YOUNGER, David; LOPEZ, Randolph; SEN, Arpita; EMERSON, Ryan  
 (74) Spruson & Ferguson

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(71) Accord Pacific Europe SA  
 (11) AU-A-2020441156  
 (21) 2020441156 (22) 09.04.2020  
 (54) Parallel optical computing system  
 (51) Int. Cl.  
**G06E 3/00** ( 2006.01 )  
 (87) WO2021/205213  
 (43) 14.10.2021  
 (72) LORETI, Luigi; VAGLI, Maurizio  
 (74) MINTER ELLISON

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(71) Acucela Inc.  
 (11) AU-A-2021289593  
 (21) 2021289593 (22) 07.06.2021  
 (54) Projection of defocused images on the peripheral retina to treat refractive error  
 (51) Int. Cl.  
**A61N 5/06** ( 2006.01 )  
 (87) WO2021/252319  
 (31) 63/036,226 (32) 08.06.20 (33) US  
 62/706,153 03.08.20 US  
 62/706,456 18.08.20 US  
 (43) 16.12.2021  
 (72) KUBOTA, Ryo; JOSHI, Nabin; SEL-ENOW, Arkady; ALI, Steven; BAUER, Stefan; FEHR, Jean-Noël; HAEBERLI,

Moritz; WEBER, Patrizia; SAUVET, Julien; GUPTA, Amitava  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) A-DEC, Inc.  
 (11) AU-A-2021411477  
 (21) 2021411477 (22) 15.12.2021  
 (54) Automatic activation of flushing mode in dental systems  
 (51) Int. Cl.  
**A61C 1/00** ( 2006.01 )  
**A61L 2/18** ( 2006.01 )  
**A61L 2/24** ( 2006.01 )  
**B08B 9/032** ( 2006.01 )  
 (87) WO2022/146695  
 (31) 17/139,744 (32) 31.12.20 (33) US  
 (43) 07.07.2022  
 (72) IRVING, Michael; NELSON, Bradley; PETERSON, Brett; WARNEKE, Spencer  
 (74) Spruson & Ferguson

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(71) Adrenomed AG  
 (11) AU-A-2021227277  
 (21) 2021227277 (22) 01.03.2021  
 (54) Anti-Adrenomedullin (ADM) antibody or anti-ADM antibody fragment or anti-ADM non-Ig scaffold for use in therapy or prevention of shock  
 (51) Int. Cl.  
**C07K 16/26** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
 (87) WO2021/170876  
 (31) 20159913.1 (32) 27.02.20 (33) EP  
 (43) 02.09.2021  
 (72) BERGMANN, Andreas  
 (74) Davies Collison Cave Pty Ltd

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(71) Adrenomed AG  
 (11) AU-A-2021227279  
 (21) 2021227279 (22) 01.03.2021  
 (54) Anti-adrenomedullin (ADM) binder for use in therapy of patients in shock  
 (51) Int. Cl.  
**C07K 16/26** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
 (87) WO2021/170880  
 (31) 20206317.8 (32) 06.11.20 (33) EP  
 20159913.1 27.02.20 EP  
 (43) 02.09.2021  
 (72) BERGMANN, Andreas  
 (74) Davies Collison Cave Pty Ltd

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(71) Aeovian Pharmaceuticals, Inc.  
 (11) AU-A-2021241718  
 (21) 2021241718 (22) 26.03.2021  
 (54) mTORC1 modulators and uses thereof

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

- (51) Int. Cl.  
**A61P 25/16** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )
- (87) WO2021/195599
- (31) 63/001,177 (32) 27.03.20 (33) US  
 63/001,144 27.03.20 US  
 63/001,187 27.03.20 US  
 63/019,176 01.05.20 US  
 63/054,763 21.07.20 US  
 63/054,762 21.07.20 US  
 63/054,768 21.07.20 US
- (43) 30.09.2021
- (72) KINCAID, John
- (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) AIC246 AG & Co. KG  
 (11) AU-A-2021227276  
 (21) 2021227276 (22) 01.03.2021
- (54) Pharmaceutical compositions comprising 2-[(4S)-8-fluoro-2-[4-(3-methoxyphenyl)piperazin-1-yl]-3-[2-methoxy-5-(trifluoromethyl)phenyl]-4H-quinazolin-4-yl]acetate and sodium ions
- (51) Int. Cl.  
**A61K 9/08** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61P 31/22** ( 2006.01 )
- (87) WO2021/170875
- (31) 20159711.9 (32) 27.02.20 (33) EP
- (43) 02.09.2021
- (72) BUSCHMANN, Helmut; GOLDNER, Thomas; REDMER, Jessica; CERON BERTRAN, Jordi Carles; HAWE, Andrea; LUCKE, Matthias; HOHMANN, Dorothea; ROSA, Monica
- (74) Davies Collison Cave Pty Ltd
- 
- (71) AIC246 AG & Co. KG  
 (11) AU-A-2021228240  
 (21) 2021228240 (22) 01.03.2021
- (54) Sodium 2- [(4S)-8-fluoro-2-[4-(3-methoxyphenyl)piperazin-1-yl]-3-[2-methoxy-5-(trifluoromethyl)phenyl]-4H-quinazolin-4-yl]acetate and pharmaceutical compositions thereof
- (51) Int. Cl.  
**A61K 9/19** ( 2006.01 )  
**A61K 31/517** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )  
**A61P 31/22** ( 2006.01 )
- (87) WO2021/170878
- (31) 20159699.6 (32) 27.02.20 (33) EP
- (43) 02.09.2021
- (72) BUSCHMANN, Helmut; GOLDNER, Thomas; REDMER, Jessica; HAWE, Andrea; LUCKE, Matthias; HOHMANN, Dorothea; ROSA, Monica
- (74) Davies Collison Cave Pty Ltd
- 
- (71) AKI, Inc.  
 (11) AU-A-2021255830  
 (21) 2021255830 (22) 12.04.2021
- (54) Anhydrous silky cosmetic product
- (51) Int. Cl.  
**A61K 8/58** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )
- (87) WO2021/211468
- (31) 63/009,187 (32) 13.04.20 (33) US
- (43) 21.10.2021
- (72) DEVASSINE, Mickael; DEVASSINE, Hrazhyna
- (74) Spruson & Ferguson
- 
- (71) Alcon Inc.  
 (11) AU-A-2021267423  
 (21) 2021267423 (22) 08.05.2021
- (54) Eye-tracking system for entering commands
- (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**G02B 27/00** ( 2006.01 )
- (87) WO2021/224889
- (31) 63/021,231 (32) 07.05.20 (33) US
- (43) 11.11.2021
- (72) EIL, Martin
- (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Alektor LLC  
 (11) AU-A-2021247286  
 (21) 2021247286 (22) 02.04.2021
- (54) Methods of use of anti-TREM2 antibodies
- (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )
- (87) WO2021/203030
- (31) 63/005,130 (32) 03.04.20 (33) US  
 63/079,810 17.09.20 US
- (43) 07.10.2021
- (72) PAUL, Robert; WARD, Michael F.; LONG, Hua; SIDDIQUI, Omer Rizwan; ROSENTHAL, Arnon; YEH, Felix Leejia; JACKSON, Sam
- (74) Griffith Hack
- 
- (71) Alpha Beta Holdings, LLC  
 (11) AU-A-2021261003  
 (21) 2021261003 (22) 23.04.2021
- (54) Compositions and methods for treating cancer
- (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/32** ( 2006.01 )
- (87) WO2021/216956
- (31) 63/014,550 (32) 23.04.20 (33) US
- (43) 28.10.2021
- (72) CHERESH, David; WEIS, Sara; McCORMACK, Stephen; RADAR, Christoph; WETTERSTEN, Hiromi
- (74) Spruson & Ferguson
- 
- (71) American Gene Technologies International Inc.  
 (11) AU-A-2021232603
- (21) 2021232603 (22) 03.03.2021
- (54) On demand expression of exogenous factors in lymphocytes to treat HIV
- (51) Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 16/10** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )
- (87) WO2021/178571
- (31) 62/984,716 (32) 03.03.20 (33) US
- (43) 10.09.2021
- (72) LI, Haishan; LAHUSEN, Tyler; PAUZA, Charles David
- (74) Davies Collison Cave Pty Ltd
- 
- (71) Amyloid Solution Inc.  
 (11) AU-A-2021257149  
 (21) 2021257149 (22) 22.03.2021
- (54) Pharmaceutical composition for treating degenerative brain disease, including glycine transporter as active ingredient
- (51) Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )
- (87) WO2021/210798
- (31) 10-2020-0044988 (32) 14.04.20 (33) KR  
 10-2021-0031435 10.03.21 KR
- (43) 21.10.2021
- (72) KIM, Seong Muk; PARK, Seongjeong; KIM, Hye-Ju; KIM, Youngsoo; KIM, Hyeyun
- (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Anagram International, Inc.  
 (11) AU-A-2021241357  
 (21) 2021241357 (22) 24.02.2021
- (54) A reusable, anchorable ornamental balloon structure
- (51) Int. Cl.  
**A63H 3/06** ( 2006.01 )  
**A63H 3/00** ( 2006.01 )  
**A63H 3/50** ( 2006.01 )  
**A63H 27/10** ( 2006.01 )  
**B60C 29/00** ( 2006.01 )
- (87) WO2021/194678
- (31) 16/828,151 (32) 24.03.20 (33) US
- (43) 30.09.2021
- (72) SIFFERLIN, Mark S.; SABLE, Paul J.
- (74) Adams Pluck
- 
- (71) Angiex, Inc.  
 (11) AU-A-2021244621  
 (21) 2021244621 (22) 26.03.2021
- (54) Degradable-antibody conjugates and methods of using same
- (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )
- (87) WO2021/195598
- (31) 63/000,991 (32) 27.03.20 (33) US  
 63/044,699 26.06.20 US
- (43) 30.09.2021
- (72) JAMINET, Paul A.; JAMINET, Shou-Ching S.; HA, Edward; HUDLIKAR, Manish S.; GONZALEZ, Gabriel
- (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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

(71) Apex Brands, Inc.  
 (11) AU-A-2021252471  
 (21) 2021252471 (22) 30.03.2021  
 (54) Dual-mode adjustable pliers  
 (51) Int. Cl.  
     **B25B 7/00** ( 2006.01 )  
     **B25B 7/04** ( 2006.01 )  
     **B25B 7/10** ( 2006.01 )  
     **B25B 7/14** ( 2006.01 )  
 (87) WO2021/206951  
 (31) 63/005,968 (32) 06.04.20 (33) US  
 (43) 14.10.2021  
 (72) FU, Zhihong  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Aqseptence Group, Inc.  
 (11) AU-A-2020439966  
 (21) 2020439966 (22) 31.03.2020  
 (54) Vacuum sewage system with monitoring system and variable speed pump and methods of use  
 (51) Int. Cl.  
     **E03F 1/00** ( 2006.01 )  
 (87) WO2021/201833  
 (31) 16/833,847 (32) 30.03.20 (33) US  
 (43) 07.10.2021  
 (72) HAWN, Clint; HARTSOCK, Jon R.  
 (74) Davies Collison Cave Pty Ltd

(71) Arbor Biotechnologies, Inc.  
 (11) AU-A-2021249119  
 (21) 2021249119 (22) 31.03.2021  
 (54) Compositions comprising a Cas12i2 variant polypeptide and uses thereof  
 (51) Int. Cl.  
     **C12N 9/22** ( 2006.01 )  
     **C12N 15/11** ( 2006.01 )  
 (87) WO2021/202800  
 (31) 63/085,752 (32) 30.09.20 (33) US  
     63/026,562 18.05.20 US  
     63/026,277 18.05.20 US  
     63/085,862 30.09.20 US  
     63/063,819 10.08.20 US  
     63/147,968 10.02.21 US  
     63/085,895 30.09.20 US  
     63/002,999 31.03.20 US  
     63/012,007 17.04.20 US  
     63/003,090 31.03.20 US  
     63/003,064 31.03.20 US  
     63/063,831 10.08.20 US  
     63/085,792 30.09.20 US  
     63/026,606 18.05.20 US  
     63/063,859 10.08.20 US  
     63/147,850 10.02.21 US  
     63/063,879 10.08.20 US  
     63/026,523 18.05.20 US  
 (43) 07.10.2021  
 (72) CHONG, Shaorong; HILBERT, Brendan Jay; WESSELLS, Quinton Norman; JAKIMO, Noah Michael; ZIBLAT, Roy; CARTE, Jason Michael; DITOMMASO, Tia Marie; HASWELL, Jeffrey Raymond; GARRITY, Anthony James; MCGAW, Colin Alexander; SCOTT, David A.; CERCHIONE, Derek Michael  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Arthrex, Inc.  
 (11) AU-A-2021273466  
 (21) 2021273466 (22) 10.05.2021  
 (54) Systems and methods for preparing a meniscal tissue for implant  
 (51) Int. Cl.  
     **A61B 17/15** ( 2006.01 )  
     **A61F 2/28** ( 2006.01 )  
     **A61F 2/38** ( 2006.01 )  
     **A61F 2/46** ( 2006.01 )  
 (87) WO2021/231292  
 (31) 63/024,411 (32) 13.05.20 (33) US  
 (43) 18.11.2021  
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 (54) Methods of treatment and related compositions  
 (51) Int. Cl.  
     **A61K 38/21** ( 2006.01 )  
     **A61K 9/00** ( 2006.01 )  
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     **A61K 47/02** ( 2006.01 )  
     **A61K 48/00** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
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 (72) FRITSCH, Herbert; NORTHROP, Lesley  
 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.  
     **F04C 18/12** ( 2006.01 )  
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G06N 20/00 (2019.01)  
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A23P 20/10 (2016.01)  
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F16K 1/36 (2006.01)  
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F16K 31/12 (2006.01)  
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(54) Modified mRNA for vaccine development  
(51) Int. Cl.  
C12N 15/10 (2006.01)  
A61K 48/00 (2006.01)  
A61P 31/14 (2006.01)  
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C07K 14/005 (2006.01)  
C12N 15/67 (2006.01)  
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(54) Aqueous coating composition containing an epoxy-amine system and an aromatic carboxylic acid as curing catalyst  
(51) Int. Cl.  
C08G 59/56 (2006.01)  
C08G 59/18 (2006.01)  
C08G 59/50 (2006.01)  
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(51) Int. Cl.  
C08G 18/75 (2006.01)  
B32B 27/30 (2006.01)  
C08F 220/18 (2006.01)  
C08G 18/10 (2006.01)  
C08G 18/22 (2006.01)  
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C08G 18/62 (2006.01)  
C08G 18/71 (2006.01)  
C08G 18/80 (2006.01)  
C09D 7/20 (2018.01)  
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C09D 175/02 (2006.01)  
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(11) AU-A-2021247379  
(21) 2021247379 (22) 27.03.2021  
(54) Retroreflective pigments and paints  
(51) Int. Cl.  
C09C 1/62 (2006.01)  
C08K 3/013 (2018.01)  
C08K 3/08 (2006.01)  
C08K 7/00 (2006.01)  
C09C 1/00 (2006.01)  
C09C 1/64 (2006.01)  
C09D 5/33 (2006.01)  
C09D 7/40 (2018.01)  
G01S 17/00 (2020.01)  
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(54) Paints having enhanced reflectivity  
(51) Int. Cl.  
C09D 5/33 (2006.01)  
B05D 5/06 (2006.01)  
B05D 7/00 (2006.01)  
C09C 1/00 (2006.01)  
C09C 1/64 (2006.01)  
C09D 7/40 (2018.01)  
C09K 3/00 (2006.01)  
G01S 17/931 (2020.01)  
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(54) Battery recycling by reduction and carbonylation

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**C01G 53/02** ( 2006.01 )  
**C22B 23/02** ( 2006.01 )  
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(54) Method for electrochemical hydrogen separation from natural-gas pipelines
- (51) Int. Cl.  
**B01D 53/22** ( 2006.01 )  
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**C01B 3/50** ( 2006.01 )
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(54) Liquid treatment system and method
- (51) Int. Cl.  
**B01F 25/40** ( 2022.01 )  
**A61L 2/10** ( 2006.01 )  
**C01G 39/00** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
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(54) Solid dispersions of rifaximin for the treatment of Overt Hepatic Encephalopathy
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(54) Extension set and related systems and methods
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(54) Extension set with a patency instrument
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(54) Vascular instrument delivery device and related systems
- (51) Int. Cl.  
**A61M 25/09** ( 2006.01 )  
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(54) Multi-lumen vascular access device and related methods
- (51) Int. Cl.  
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(21) 2021234496 (22) 09.03.2021  
(54) Heterocyclic compounds for inhibiting TYK2 activities
- (51) Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )
- (87) WO2021/180072  
(31) 62/988,317 (32) 11.03.20 (33) US

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 (72) CHEN, Xiangyang; PANG, Yucheng  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) BenevolentAI Cambridge Limited  
 (11) AU-A-2021227457  
 (21) 2021227457 (22) 26.02.2021  
 (54) Compositions and uses thereof  
 (51) Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61K 31/4709* ( 2006.01 )  
*A61K 31/472* ( 2006.01 )  
*A61K 31/497* ( 2006.01 )  
*A61K 31/501* ( 2006.01 )  
*A61K 31/517* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61P 1/06* ( 2006.01 )  
 (87) WO2021/171035  
 (31) 2002926.0 (32) 28.02.20 (33) GB  
 (43) 02.09.2021  
 (72) ROBAS, Nicola; BELICH, Monica  
 (74) Davies Collison Cave Pty Ltd
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- (71) Bierwith, R.  
 (11) AU-A-2021236300  
 (21) 2021236300 (22) 11.03.2021  
 (54) Fasteners and fastener systems  
 (51) Int. Cl.  
*E02F 9/28* ( 2006.01 )  
*F16B 19/02* ( 2006.01 )  
 (87) WO2021/183834  
 (31) 62/988,319 (32) 11.03.20 (33) US  
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 (72) BIERWITH, Robert S.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021246098  
 (21) 2021246098 (22) 02.04.2021  
 (54) Pyrrolopyrimidine amines as complement inhibitors  
 (51) Int. Cl.  
*A61K 31/519* ( 2006.01 )  
*C07D 207/02* ( 2006.01 )  
*C07D 265/28* ( 2006.01 )  
 (87) WO2021/202977  
 (31) 63/004,799 (32) 03.04.20 (33) US  
 (43) 07.10.2021  
 (72) KOTIAN, Pravin L.; BABU, Yarlagadda S.; WU, Minwan; DANG, Zhao; NGUYEN, Trung Xuan; RAMAN, Krishnan  
 (74) FB Rice Pty Ltd
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- (71) BioEcho Life Sciences GmbH  
 (11) AU-A-2021271128  
 (21) 2021271128 (22) 14.05.2021  
 (54) Isolation of nucleic acids at elevated temperatures  
 (51) Int. Cl.  
*C12N 15/10* ( 2006.01 )  
*C12N 1/06* ( 2006.01 )  
 (87) WO2021/229066  
 (31) LU101791 (32) 14.05.20 (33) LU  
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- (71) BioPhotas, Inc.  
 (11) AU-A-2021228740  
 (21) 2021228740 (22) 26.02.2021  
 (54) Battery powered systems for light therapy and related methods  
 (51) Int. Cl.  
*A61N 5/06* ( 2006.01 )  
 (87) WO2021/174081  
 (31) 62/983,247 (32) 28.02.20 (33) US  
 (43) 02.09.2021  
 (72) JOHNSON, Patrick Lamberth; GIBSON, Roger Allen  
 (74) Spruson & Ferguson
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- (71) Biosion Inc.  
 (11) AU-A-2021240769  
 (21) 2021240769 (22) 26.03.2021  
 (54) Antibodies binding Siglec15 and uses thereof  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 19/00* ( 2006.01 )  
*A61P 19/08* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2021/190622  
 (31) 63/000,566 (32) 27.03.20 (33) US  
 (43) 30.09.2021  
 (72) CHEN, Mingjiu; XIA, Shukai  
 (74) Spruson & Ferguson
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- (71) Biotheus Inc.  
 (11) AU-A-2021247323  
 (21) 2021247323 (22) 30.03.2021  
 (54) Platform for constructing multispecific antibody  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
 (87) WO2021/197359  
 (31) 202010244571.5 (32) 31.03.20 (33) CN
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 (11) AU-A-2021230370  
 (21) 2021230370 (22) 05.03.2021  
 (54) Method of treating amyotrophic lateral sclerosis with myeloperoxidase inhibitor  
 (51) Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61K 31/522* ( 2006.01 )  
*A61K 35/00* ( 2006.01 )  
 (87) WO2021/178734  
 (31) 62/985,802 (32) 05.03.20 (33) US  
 (43) 10.09.2021  
 (72) QURESHI, Irfan; FROST, Marianne; DONOHUE, Mary K.  
 (74) Adams Pluck
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- (71) BlueAllele, LLC  
 (11) AU-A-2021246006  
 (21) 2021246006 (22) 29.03.2021  
 (54) Methods for integrating DNA into genes with gain-of-function or loss-of-function mutations  
 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/63* ( 2006.01 )  
 (87) WO2021/202421  
 (31) 63/070,877 (32) 27.08.20 (33) US  
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 (43) 07.10.2021  
 (72) BALTES, Nicholas  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) BlueRock Therapeutics LP  
 (11) AU-A-2021256444  
 (21) 2021256444 (22) 13.04.2021  
 (54) Delivery devices for therapeutic substances  
 (51) Int. Cl.  
*A61M 5/34* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
*A61M 5/32* ( 2006.01 )  
 (87) WO2021/211518  
 (31) 63/009,572 (32) 14.04.20 (33) US  
 (43) 21.10.2021  
 (72) MAHER, Matthew Gardner; GUERRERO PALACIO, Angel Leonardo; MARCHAND, Philippe  
 (74) Spruson & Ferguson
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- (71) Boehringer Ingelheim International GmbH  
 (11) AU-A-2021259336  
 (21) 2021259336 (22) 22.04.2021  
 (54) Glucagon analogues as long-acting GLP-1/glucagon receptor agonists in the treatment of fatty liver disease and steatohepatitis  
 (51) Int. Cl.  
*A61K 38/00* ( 2006.01 )  
*A61K 47/54* ( 2017.01 )  
*C07K 14/605* ( 2006.01 )  
 (87) WO2021/214220  
 (31) 20171285.8 (32) 24.04.20 (33) EP  
 (43) 28.10.2021  
 (72) THOMAS, Leo  
 (74) Spruson & Ferguson
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- (71) Boe Technology Group Co., Ltd.  
 (11) AU-A-2021244430  
 (21) 2021244430 (22) 02.02.2021  
 (54) Display device, display panel and manufacturing method therefor  
 (51) Int. Cl.  
*H01L 51/52* ( 2006.01 )

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**H01L 51/56** ( 2006.01 )  
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**(31)** 202010230956.6 **(32)** 27.03.20 **(33)** CN  
**(43)** 30.09.2021  
**(72)** WANG, Yu; HUANG, Kuanta; WANG, Qing; DONG, Yongfa; YANG, Chao; LI, Shipeng; TONG, Hui; SHI, Shangquan; YUAN, Xiong; LI, Dongsheng; SHEN, Xiaobin  
**(74)** Griffith Hack

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2021241401  
**(21)** 2021241401 **(22)** 11.03.2021  
**(54)** Medical device for treating compensated heart failure  
**(51)** Int. Cl.  
**A61M 60/135** ( 2021.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 60/295** ( 2021.01 )  
**A61M 60/515** ( 2021.01 )  
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**A61M 60/531** ( 2021.01 )  
**(87)** WO2021/194764  
**(31)** 62/994,572 **(32)** 25.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** ANAND, Umang; MEREDITH, Ian  
**(74)** Spruson & Ferguson

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2021251702  
**(21)** 2021251702 **(22)** 05.04.2021  
**(54)** High retention drainage device  
**(51)** Int. Cl.  
**A61B 17/11** ( 2006.01 )  
**A61M 27/00** ( 2006.01 )  
**(87)** WO2021/207088  
**(31)** 63/005,936 **(32)** 06.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** GUPTA, Saurav V.; BARTHET, Marc A.; GONZALEZ, Jean-Michel; HAGEMEYER, Camron; CURRAN, Darren  
**(74)** Spruson & Ferguson

**(71)** BP Asset V, Inc.  
**(11)** AU-A-2021249149  
**(21)** 2021249149 **(22)** 01.04.2021  
**(54)** Furin inhibitors for treating coronavirus infections  
**(51)** Int. Cl.  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/165** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
**(87)** WO2021/202874  
**(31)** 63/156,058 **(32)** 03.03.21 **(33)** US  
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 63/004,365 02.04.20 US  
**(43)** 07.10.2021  
**(72)** WILCOXEN, Keith; MAPA, Claudine; ODRILJIN, Tatjana; SEIDAH, Nabil G.  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

**(71)** Burnet, M.  
**(11)** AU-A-2021241591  
**(21)** 2021241591 **(22)** 23.03.2021  
**(54)** Anti-infective and anti-viral compounds and compositions  
**(51)** Int. Cl.  
**A61K 31/7052** ( 2006.01 )  
**A61K 31/138** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 31/245** ( 2006.01 )  
**A61K 31/4706** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61K 38/06** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(87)** WO2021/195126  
**(31)** 62/994,182 **(32)** 24.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** BURNET, Michael W.  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

**(71)** Capital One Services, LLC  
**(11)** AU-A-2021262788  
**(21)** 2021262788 **(22)** 29.04.2021  
**(54)** Techniques to store and process data for transaction attempts by transaction cards  
**(51)** Int. Cl.  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**(87)** WO2021/222555  
**(31)** 16/863,437 **(32)** 30.04.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** RULE, Jeffrey  
**(74)** GLMR

**(71)** Capital One Services, LLC  
**(11)** AU-A-2021263410  
**(21)** 2021263410 **(22)** 29.04.2021  
**(54)** Intelligent card unlock  
**(51)** Int. Cl.  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**(87)** WO2021/222562  
**(31)** 16/863,179 **(32)** 30.04.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** BENKREIRA, Abdelkader M'Hamed; MAIMAN, Tyler; WAY, Brendan  
**(74)** GLMR

**(71)** Capital One Services, LLC  
**(11)** AU-A-2021274706  
**(21)** 2021274706 **(22)** 14.05.2021  
**(54)** Enabling communications between applications in a mobile operating system  
**(51)** Int. Cl.  
**G06F 21/60** ( 2013.01 )  
**H04W 12/37** ( 2021.01 )  
**(87)** WO2021/236436  
**(31)** 16/876,549 **(32)** 18.05.20 **(33)** US

**(43)** 25.11.2021  
**(72)** LUNATI, Stephane  
**(74)** GLMR

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**(11)** AU-A-2021251266  
**(21)** 2021251266 **(22)** 09.04.2021  
**(54)** Infusion management system  
**(51)** Int. Cl.  
**G16H 20/17** ( 2018.01 )  
**A61M 5/14** ( 2006.01 )  
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**(31)** 63/008,149 **(32)** 10.04.20 **(33)** US  
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**(43)** 14.10.2021  
**(72)** MOONEY, Keith; O'BRIEN, Kevin; COLEMAN, Christopher; GEORGE, Dara; AZAB, Ehab  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Carey, B.; Piper, S.  
**(11)** AU-A-2021241743  
**(21)** 2021241743 **(22)** 23.03.2021  
**(54)** A label retaining device  
**(51)** Int. Cl.  
**G09F 3/08** ( 2006.01 )  
**G09F 3/18** ( 2006.01 )  
**G09F 3/20** ( 2006.01 )  
**(87)** WO2021/195674  
**(31)** 2020/01796 **(32)** 23.03.20 **(33)** ZA  
 2020/03363 05.06.20 ZA  
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**(43)** 30.09.2021  
**(72)** CAREY, Benjamin George; PIPER, Stephen John  
**(74)** Raven IP

**(71)** Case Western Reserve University; University of Pittsburgh - of the Commonwealth System of Higher Education  
**(11)** AU-A-2021225926  
**(21)** 2021225926 **(22)** 26.02.2021  
**(54)** Compositions and methods for treating misfolded protein ocular disorders  
**(51)** Int. Cl.  
**A61K 31/16** ( 2006.01 )  
**A61K 31/18** ( 2006.01 )  
**A61K 31/185** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**A61K 31/20** ( 2006.01 )  
**A61K 31/277** ( 2006.01 )  
**(87)** WO2021/173929  
**(31)** 62/981,819 **(32)** 26.02.20 **(33)** US  
**(43)** 02.09.2021  
**(72)** PALCZEWSKI, Krzysztof; CHEN, Yuanyuan  
**(74)** Houlihan2 Pty Ltd

**(71)** Cas Lamvac (Guangzhou) Biomedical Technology Co., Ltd.  
**(11)** AU-A-2020435555  
**(21)** 2020435555 **(22)** 01.07.2020  
**(54)** Drug for preventing and/or treating brain tumor and application thereof  
**(51)** Int. Cl.  
**A61K 35/68** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

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**(43)** 16.09.2021  
**(72)** TAO, Zhu; DING, Wenting; CHENG, Zhipeng; FENG, Yinfang; QIN, Li; CHEN, Xiaoping  
**(74)** GLMR
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- (71)** Celgene Corporation  
**(11)** AU-A-2021256419  
**(21)** 2021256419 **(22)** 12.04.2021  
**(54)** Methods for treating anemia using an actRIIB ligand trap and fedratinib  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
**C07D 239/69** ( 2006.01 )  
**(87)** WO2021/211418  
**(31)** 63/009,400 **(32)** 13.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** LAADEM, Abderrahmane; RITLAND, Steve; BACKSTROM, Jay T.  
**(74)** AJ PARK
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- (71)** Celgene Quantical Research, Inc.  
**(11)** AU-A-2021230575  
**(21)** 2021230575 **(22)** 05.03.2021  
**(54)** Combination of an LSD-1 inhibitor and nivolumab for use in treating SCLC or sqNSCLC  
**(51)** Int. Cl.  
**A61K 31/513** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2021/178807  
**(31)** 62/986,541 **(32)** 06.03.20 **(33)** US  
**(43)** 10.09.2021  
**(72)** FILVAROFF, Ellen; ARONCHIK, Ida; CHOW, Tracy; OLSON, Eric; FOX, Brian; WANG, Maria  
**(74)** AJ PARK
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- (71)** Cell Exosome Therapeutics Inc.  
**(11)** AU-A-2021245671  
**(21)** 2021245671 **(22)** 30.03.2021  
**(54)** Cell preservation method  
**(51)** Int. Cl.  
**C12N 1/04** ( 2006.01 )  
**A61K 35/28** ( 2015.01 )  
**A61P 43/00** ( 2006.01 )  
**C12M 1/26** ( 2006.01 )  
**C12N 5/0775** ( 2010.01 )  
**C12N 5/0797** ( 2010.01 )  
**(87)** WO2021/201029  
**(31)** 2020-063821 **(32)** 31.03.20 **(33)** JP  
**(43)** 07.10.2021  
**(72)** YANAGITA, Yasutomo; RINOIE, Chugo; ISHIDAO, Takefumi; MINAMI, Itsunari  
**(74)** FB Rice Pty Ltd
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- (71)** Chemomab Ltd.  
**(11)** AU-A-2021259682  
**(21)** 2021259682 **(22)** 20.04.2021  
**(54)** Method of treatment using anti-CCL24 antibody  
**(51)** Int. Cl.
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- C07K 16/24** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**(87)** WO2021/214759  
**(31)** 63/013,793 **(32)** 22.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** MOR, Adi; AHARON, Arnon; HASH-MUELLI, Sharon; SEGAL SALTO, Michal; BARASHI, Neta  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Chengdu New Radiomedicine Technology Co., Ltd.  
**(11)** AU-A-2021332411  
**(21)** 2021332411 **(22)** 23.04.2021  
**(54)** Carbon microbead loaded with metal nuclide, preparation method, and application  
**(51)** Int. Cl.  
**A61K 51/04** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C01B 32/05** ( 2017.01 )  
**A61K 103/32** ( 2006.01 )  
**(87)** WO2022/041804  
**(31)** 202010868776.0 **(32)** 26.08.20 **(33)** CN  
**(43)** 03.03.2022  
**(72)** ZHAO, Xiaosheng; ZHANG, Chixiang; LU, Jing; ZHANG, Jun; LI, Zhuoming; ZHANG, Shuang; LUO, Xianjin; LI, Dongmei; HU, Xuezheng; GE, Qiang; LI, Maoliang; CAI, Jiming  
**(74)** Madderns Pty Ltd
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- (71)** Chengdu New Radiomedicine Technology Co., Ltd.  
**(11)** AU-A-2021333608  
**(21)** 2021333608 **(22)** 23.04.2021  
**(54)** Visualized radioactive carbon microsphere, and preparation method and application thereof  
**(51)** Int. Cl.  
**A61K 51/12** ( 2006.01 )  
**A61K 51/04** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/041803  
**(31)** 202010867997.6 **(32)** 26.08.20 **(33)** CN  
**(43)** 03.03.2022  
**(72)** ZHAO, Xiaosheng; ZHANG, Jun; ZHANG, Chixiang; LU, Jing; LIU, Qiangqiang; LUO, Xianjin; MA, Wenliang; GE, Qiang; CAI, Jiming  
**(74)** Madderns Pty Ltd
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- (71)** Chevron U.S.A. Inc.  
**(11)** AU-A-2021241430  
**(21)** 2021241430 **(22)** 18.03.2021  
**(54)** Comparison of wells using a dissimilarity matrix  
**(51)** Int. Cl.  
**G01V 99/00** ( 2009.01 )  
**(87)** WO2021/194851  
**(31)** 16/832,641 **(32)** 27.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** HERN, Brett M.; SUN, Tao; WILLIS, Brian J.; LAUGIER, Fabien J.; HARRIS, Ashley D.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children); LogicBio Therapeutics, Inc.  
**(11)** AU-A-2021228368  
**(21)** 2021228368 **(22)** 25.02.2021  
**(54)** Adeno-associated virus capsid polypeptides and vectors  
**(51)** Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
**C12N 7/00** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2021/168509  
**(31)** 2020900529 **(32)** 25.02.20 **(33)** AU  
**(43)** 02.09.2021  
**(72)** LISOWSKI, Leszek; CABANES CREUS, Marti; ALEXANDER, Ian; HEBBEN, Matthias Charles Jerome  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.  
**(11)** AU-A-2021223146  
**(21)** 2021223146 **(22)** 20.02.2021  
**(54)** Transmission method and device  
**(51)** Int. Cl.  
**H04W 24/02** ( 2009.01 )  
**(87)** WO2021/164773  
**(31)** 202010108627.4 **(32)** 21.02.20 **(33)** CN  
**(43)** 26.08.2021  
**(72)** ZHANG, Xiaoran  
**(74)** Golja Haines & Friend
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- (71)** China University of Mining and Technology  
**(11)** AU-A-2021383003  
**(21)** 2021383003 **(22)** 23.02.2021  
**(54)** Intelligent reliability evaluation and service life prediction method for kilometer deep well hoist brake  
**(51)** Int. Cl.  
**G06F 30/23** ( 2020.01 )  
**(87)** WO2022/105072  
**(31)** 202011299077.5 **(32)** 19.11.20 **(33)** CN  
**(43)** 27.05.2022  
**(72)** LU, Hao; ZHU, Zhencai; PENG, Yuxing; ZHOU, Gongbo; SHEN, Gang; TANG, Yu; LI, Xiang; WANG, Wei  
**(74)** Baxter Patent Attorneys Pty Ltd
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- (71)** Chugai Seiyaku Kabushiki Kaisha  
**(11)** AU-A-2021247916  
**(21)** 2021247916 **(22)** 30.03.2021  
**(54)** Claudin-6 targeting multispecific antigen-binding molecules and uses thereof  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/44** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2021/200939  
**(31)** 2020-062881 **(32)** 31.03.20 **(33)** JP  
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 (74) Spruson & Ferguson
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- (71) Clarapath, Inc.  
 (11) AU-A-2021225013  
 (21) 2021225013 (22) 22.02.2021  
 (54) Facing and quality control in microtomy  
 (51) Int. Cl.  
*G01N 1/36* ( 2006.01 )  
*G01N 1/00* ( 2006.01 )  
*G01N 1/28* ( 2006.01 )  
*G02B 21/16* ( 2006.01 )  
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 (54) Personal care compositions  
 (51) Int. Cl.  
*A61K 8/36* ( 2006.01 )  
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*A61K 8/46* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 8/92* ( 2006.01 )  
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(51) Int. Cl.  
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H01Q 1/32 ( 2006.01 )  
H02G 3/08 ( 2006.01 )  
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B60H 1/00 ( 2006.01 )  
H01Q 1/12 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
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*F17C 5/06* ( 2006.01 )  
*F17C 11/00* ( 2006.01 )  
*F17C 13/02* ( 2006.01 )  
*G06Q 50/06* ( 2012.01 )  
*H01M 8/00* ( 2016.01 )  
*H01M 8/04537* ( 2016.01 )  
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 (51) Int. Cl.  
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*B08B 3/02* ( 2006.01 )  
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 (51) Int. Cl.  
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- (71) Energizer Auto, Inc.  
 (11) AU-A-2021248388  
 (21) 2021248388 (22) 01.04.2021  
 (54) Dirt repelling cleaning compositions and methods of use thereof  
 (51) Int. Cl.  
*B05B 3/14* ( 2006.01 )  
*B08B 3/02* ( 2006.01 )  
*B08B 3/04* ( 2006.01 )  
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- (71) Energizer Auto, Inc.  
 (11) AU-A-2021258140  
 (21) 2021258140 (22) 20.04.2021  
 (54) Rapid hydrophobic surface modification compositions and methods of use thereof  
 (51) Int. Cl.  
*C08G 77/04* ( 2006.01 )  
*C08L 83/04* ( 2006.01 )  
*C09D 183/04* ( 2006.01 )  
*C09G 1/04* ( 2006.01 )  
*C09G 1/12* ( 2006.01 )  
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 (31) 63/013,014 (32) 21.04.20 (33) US  
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 (72) NAISBITT, Chase Southwick; UCHIYAMA, Hirotaka; LUNA-ZARAGOZA, Cindy; MAHFOUZ, Grace Nabil  
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 (54) Water-based silicone combination surface modification compositions and methods of use thereof  
 (51) Int. Cl.  
*C08G 77/04* ( 2006.01 )  
*C08L 83/04* ( 2006.01 )  
*C09D 183/04* ( 2006.01 )  
*C09G 1/04* ( 2006.01 )  
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 (54) Methods and compositions for treating cancer  
 (51) Int. Cl.  
*G01N 33/573* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C12N 9/12* ( 2006.01 )  
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*F04D 17/02* ( 2006.01 )  
*F04D 29/58* ( 2006.01 )  
*F24T 10/30* ( 2018.01 )  
*F28D 1/02* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 38/00* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )  
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*G02B 5/20* ( 2006.01 )  
*B29D 11/00* ( 2006.01 )  
*B33Y 80/00* ( 2015.01 )  
*G02B 27/42* ( 2006.01 )  
*G02C 7/02* ( 2006.01 )  
*G03F 7/00* ( 2006.01 )  
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 (72) DRAMMEH, Ahmed; TOKARSKI, Zbigniew  
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 (21) 2021257578 (22) 12.04.2021  
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*B29D 11/00* ( 2006.01 )  
*B29C 43/46* ( 2006.01 )  
*B29C 48/00* ( 2019.01 )  
*B29C 48/08* ( 2019.01 )  
*B29C 51/02* ( 2006.01 )  
*B29C 51/14* ( 2006.01 )  
*B29C 51/22* ( 2006.01 )  
*B29C 59/02* ( 2006.01 )  
*B29C 59/04* ( 2006.01 )  
*B29K 23/00* ( 2006.01 )  
*B29K 25/00* ( 2006.01 )  
*B29K 33/00* ( 2006.01 )  
*B29K 33/20* ( 2006.01 )  
*B29K 67/00* ( 2006.01 )  
*B29K 69/00* ( 2006.01 )  
*B29K 75/00* ( 2006.01 )  
*B29K 77/00* ( 2006.01 )  
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*B29L 11/00* ( 2006.01 )

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(11) AU-A-2021227736  
(21) 2021227736 (22) 01.03.2021  
(54) Endovascular prosthesis delivery system  
(51) Int. Cl.  
A61B 17/12 (2006.01)  
A61F 2/95 (2013.01)  
A61F 2/954 (2013.01)  
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(54) System for compensating aerial vehicle attitude disturbances  
(51) Int. Cl.  
G05D 1/08 (2006.01)  
B64C 27/08 (2006.01)  
G05D 1/00 (2006.01)  
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G07C 5/00 (2006.01)  
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(72) THOMAS, Justin  
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(11) AU-A-2021258475  
(21) 2021258475 (22) 23.04.2021  
(54) Enzyme and pathway modulation with sulfhydryl compounds and their derivatives  
(51) Int. Cl.  
C07K 16/18 (2006.01)  
A61P 35/00 (2006.01)  
C07K 16/28 (2006.01)  
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(51) Int. Cl.  
C07D 295/02 (2006.01)  
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(51) Int. Cl.  
H01L 41/107 (2006.01)  
H01L 41/083 (2006.01)  
H01R 13/658 (2011.01)  
H01R 13/6581 (2011.01)  
H01R 13/659 (2011.01)  
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(21) 2021261342 (22) 21.04.2021  
(54) Methods and kits for identifying advanced paternal age related epigenetic dysregulation  
(51) Int. Cl.  
C12Q 1/6883 (2018.01)  
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(74) Griffith Hack
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- (71) Fisher & Paykel Healthcare Limited  
(11) AU-A-2021229678  
(21) 2021229678 (22) 02.03.2021  
(54) Patient interface system  
(51) Int. Cl.  
A61M 16/06 (2006.01)  
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(74) Allens Patent & Trade Mark Attorneys
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A61B 5/263 (2021.01)  
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C09J 7/38 (2018.01)  
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(54) Conveyor guide rail attachment  
(51) Int. Cl.  
B65G 21/20 (2006.01)  
F16B 2/04 (2006.01)  
B65G 21/06 (2006.01)  
F16B 7/04 (2006.01)  
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(54) Systems and methods for pest pressure heat maps  
(51) Int. Cl.  
G06Q 10/06 (2012.01)  
A01M 1/02 (2006.01)  
G06Q 10/04 (2012.01)  
G06Q 50/02 (2012.01)  
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(51) Int. Cl.  
A01N 43/28 (2006.01)  
A01N 43/56 (2006.01)  
A01N 43/76 (2006.01)  
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 (51) Int. Cl.  
*C07D 231/38* ( 2006.01 )  
*A01N 43/56* ( 2006.01 )
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 (51) Int. Cl.  
*C07D 237/16* ( 2006.01 )  
*A01N 43/58* ( 2006.01 )
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- (71) Fred Hutchinson Cancer Center; University of Washington  
 (11) AU-A-2021256428  
 (21) 2021256428 (22) 12.04.2021  
 (54) Integration of large adenovirus payloads  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*C12N 7/00* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )
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 (11) AU-A-2021245033  
 (21) 2021245033 (22) 26.03.2021  
 (54) Inverter capable of switching between single-phase operation and three-phase operation  
 (51) Int. Cl.  
*H02M 7/48* ( 2007.01 )  
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*H02M 7/483* ( 2007.01 )  
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 (51) Int. Cl.  
*G01S 17/89* ( 2020.01 )  
*G01S 5/00* ( 2006.01 )  
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*G01V 1/30* ( 2006.01 )
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 (72) SONNIER, Carl James; LISSARD, Eric Carroll  
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*A61K 31/4965* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )
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 (51) Int. Cl.  
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*G01V 1/00* ( 2006.01 )
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 (54) Device for predicting blade breakage of a bandsaw blade of a bandsaw  
 (51) Int. Cl.  
*B23D 59/00* ( 2006.01 )
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 (74) WRAYS PTY LTD
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 (11) AU-A-2021249129  
 (21) 2021249129 (22) 01.04.2021  
 (54) Methods of treating relapsing Multiple Sclerosis using an inhibitor of Bruton's tyrosine kinase  
 (51) Int. Cl.  
*A61K 31/4985* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )
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 (11) AU-A-2021257455  
 (21) 2021257455 (22) 16.04.2021  
 (54) Methods for enriching extracellular vesicles from biological fluid samples  
 (51) Int. Cl.  
*G01N 33/543* ( 2006.01 )  
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 (74) Griffith Hack
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 (21) 2021257456 (22) 16.04.2021  
 (54) Systems and methods for assaying large molecules with improved sensitivity  
 (51) Int. Cl.  
*G01N 33/68* ( 2006.01 )  
*G01N 30/46* ( 2006.01 )  
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- (71) General Electric Company; Pagan, K.  
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 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H02J 3/16* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )

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**(31)** 16/824,569 **(32)** 19.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** PAGAN, Karen Emanuelle Hernandez;  
PADMARAO, Veena; TIWARI, Arvind  
Kumar; VYAS, Aditya  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2020439411  
**(21)** 2020439411 **(22)** 01.04.2020  
**(54)** Low sugar, high protein confection  
**(51)** Int. Cl.  
**A23G 3/38** ( 2006.01 )  
**A23G 3/40** ( 2006.01 )  
**A23G 3/42** ( 2006.01 )  
**A23G 3/44** ( 2006.01 )  
**A23G 3/46** ( 2006.01 )  
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**(43)** 07.10.2021  
**(72)** GUGGER, Eric T.; LI, Michael; OR-  
DOVAS, Eva  
**(74)** FB Rice Pty Ltd
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- (71)** Genomatica, Inc.  
**(11)** AU-A-2021254733  
**(21)** 2021254733 **(22)** 13.04.2021  
**(54)** Cannabinoid synthase variants and  
methods for their use  
**(51)** Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**C12N 15/22** ( 2006.01 )  
**C12P 7/22** ( 2006.01 )  
**(87)** WO2021/211611  
**(31)** 63/009,573 **(32)** 14.04.20 **(33)** US  
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Jamison Parker; WARNER, Joseph  
Roy; GRIFFIN, Benjamin Matthew  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021225962  
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**(54)** Modified binding polypeptides for optim-  
ized drug conjugation  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
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**C07K 16/00** ( 2006.01 )  
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**(31)** 62/982,943 **(32)** 28.02.20 **(33)** US  
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**(72)** BRUN, Marie-Priscille; DUFFIEUX,  
Francis; PARK, Sunghae; QIU, Huawei;  
ZHOU, Qun  
**(74)** Griffith Hack
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- (71)** GHD, Inc.  
**(11)** AU-A-2022211781  
**(21)** 2022211781 **(22)** 14.01.2022  
**(54)** Combined hydrogen fuel cell for vehicle  
fueling, electric vehicle fast charging  
and fuel cell back-up power forecourt
- (51)** Int. Cl.  
**B60L 53/54** ( 2019.01 )  
**B60L 53/50** ( 2019.01 )  
**H01M 8/24** ( 2016.01 )  
**(87)** WO2022/159338  
**(31)** 63/139,952 **(32)** 21.01.21 **(33)** US  
17/574,840 13.01.22 US  
**(43)** 28.07.2022  
**(72)** VOLK, James Joseph; WENCK, James  
M.; TAYLOR, Fred  
**(74)** Michael Buck IP
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- (71)** GI Biome; Mediogen Co.,Ltd.  
**(11)** AU-A-2021229110  
**(21)** 2021229110 **(22)** 25.02.2021  
**(54)** Lactobacillus Helveticus strain and  
composition containing same for pre-  
vention or treatment of inflammatory  
diseases  
**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23K 10/16** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 35/747** ( 2015.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C12R 1/225** ( 2006.01 )  
**(87)** WO2021/172900  
**(31)** 10-2020-0023297 **(32)** 26.02.20 **(33)** KR  
**(43)** 02.09.2021  
**(72)** YANG, Bo Gie; JANG, Myung Ho;  
KANG, Chang Ho; PAEK, Nam Soo  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Givaudan SA  
**(11)** AU-A-2021238643  
**(21)** 2021238643 **(22)** 17.03.2021  
**(54)** Ginsenoside compositions  
**(51)** Int. Cl.  
**A61K 31/704** ( 2006.01 )  
**A23L 33/105** ( 2016.01 )  
**A61K 36/258** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/20** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(87)** WO2021/185897  
**(31)** 2004121.6 **(32)** 20.03.20 **(33)** GB  
2005288.2 09.04.20 GB  
**(43)** 23.09.2021  
**(72)** LECOZANNET, Romain; FANÇA-BER-  
THON, Pascale Elizabeth Renée  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Global Thermostat Operations, LLC  
**(11)** AU-A-2021236762  
**(21)** 2021236762 **(22)** 22.03.2021  
**(54)** Novel composition of matter and carbon  
dioxide capture systems  
**(51)** Int. Cl.  
**B01D 53/06** ( 2006.01 )  
**B01D 53/02** ( 2006.01 )  
**B01D 53/08** ( 2006.01 )  
**(87)** WO2021/189042  
**(31)** 62/705,061 **(32)** 09.06.20 **(33)** US  
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**(43)** 23.09.2021  
**(72)** EISENBERGER, Peter; PING, Eric W.;  
SAKWA-NOVAK, Miles  
**(74)** Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71)** Google LLC  
**(11)** AU-A-2020440127  
**(21)** 2020440127 **(22)** 21.09.2020  
**(54)** Geographic dataset preparation system  
**(51)** Int. Cl.  
**G06Q 30/02** ( 2012.01 )  
**(87)** WO2021/201909  
**(31)** 16/834,843 **(32)** 30.03.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** CHEN, Aiyu; AU, Timothy C.; REMY,  
Nicolas; BENAC, Kevin  
**(74)** Pizzeys Patent and Trade Mark Attor-  
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- (71)** Google LLC  
**(11)** AU-A-2021248923  
**(21)** 2021248923 **(22)** 31.03.2021  
**(54)** Composite quantum gate calibration  
**(51)** Int. Cl.  
**G06N 10/00** ( 2019.01 )  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2021/202687  
**(31)** 63/002,764 **(32)** 31.03.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** NEILL, Charles James; SMELYANSKIY,  
Vadim; CHEN, Yu; MI, Xiao; NIU,  
Yuezheng; KECHEDZHI, Kostyantyn  
Yevgenovych; KOROTKOV, Alexander  
Nikolaevich; JIANG, Zhang  
**(74)** Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71)** Graphic Packaging International, LLC  
**(11)** AU-A-2021264426  
**(21)** 2021264426 **(22)** 26.04.2021  
**(54)** Method and system for attaching arti-  
cles to a carrier  
**(51)** Int. Cl.  
**B65D 71/42** ( 2006.01 )  
**B65D 71/18** ( 2006.01 )  
**(87)** WO2021/222060  
**(31)** 63/016,607 **(32)** 28.04.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** FORD, Colin P.; HAWLEY, Cory;  
WARNER, David F.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Great Plains Manufacturing, Inc.  
**(11)** AU-A-2020440915  
**(21)** 2020440915 **(22)** 14.12.2020  
**(54)** Tillage implement  
**(51)** Int. Cl.  
**A01B 21/08** ( 2006.01 )  
**A01B 45/02** ( 2006.01 )  
**A01B 63/00** ( 2006.01 )  
**A01B 63/22** ( 2006.01 )  
**A01B 63/32** ( 2006.01 )  
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 (74) SR Intellectual Property
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- (71) Grizit B.V.  
 (11) AU-A-2021228183  
 (21) 2021228183 (22) 25.02.2021  
 (54) Lubricant dispenser systems and methods  
 (51) Int. Cl.  
*F16N 21/02* (2006.01)  
*F16N 3/12* (2006.01)  
*F16N 21/04* (2006.01)  
 (87) WO2021/170764  
 (31) 20159395.1 (32) 25.02.20 (33) EP  
 (43) 02.09.2021  
 (72) DUERINCKX, David  
 (74) Spruson & Ferguson
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- (71) Groasis IP B.V.  
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 (21) 2021241830 (22) 25.03.2021  
 (54) Water distiller  
 (51) Int. Cl.  
*B01D 1/00* (2006.01)  
*B01D 5/00* (2006.01)  
*C02F 1/14* (2006.01)  
 (87) WO2021/191341  
 (31) 20165994.3 (32) 26.03.20 (33) EP  
 (43) 30.09.2021  
 (72) HOFF, Petrus Mattheus Maria  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Grounded Foods Co.  
 (11) AU-A-2021226923  
 (21) 2021226923 (22) 01.03.2021  
 (54) Method for making vegan dairy products from hemp seed, cauliflower, and oats  
 (51) Int. Cl.  
*A23C 20/02* (2021.01)  
*A23L 7/10* (2016.01)  
*A23L 11/00* (2021.01)  
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 (31) 62/982,706 (32) 27.02.20 (33) US  
 (43) 02.09.2021  
 (72) FIL, Veronica; QUADE, Shaun  
 (74) Eagar & Associates Pty Ltd
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- (71) Guala Closures S.p.A.  
 (11) AU-A-2020436183  
 (21) 2020436183 (22) 20.03.2020  
 (54) Closure element  
 (51) Int. Cl.  
*G06K 19/077* (2006.01)  
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 (11) AU-A-2021252970  
 (21) 2021252970 (22) 22.03.2021  
 (54) Refrigeration appliance having ice making and distribution system  
 (51) Int. Cl.  
*F25D 11/02* (2006.01)  
 (87) WO2021/203953  
 (31) 16/843,158 (32) 08.04.20 (33) US  
 (43) 14.10.2021  
 (72) MITCHELL, Alan Joseph  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021256018  
 (21) 2021256018 (22) 22.03.2021  
 (54) Ice making assembly for receiving interchangeable mold assembly  
 (51) Int. Cl.  
*F25D 11/02* (2006.01)  
 (87) WO2021/208672  
 (31) 16/846,549 (32) 13.04.20 (33) US  
 (43) 21.10.2021  
 (72) MITCHELL, Alan Joseph  
 (74) Davies Collison Cave Pty Ltd
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- (71) Halliburton Energy Services, Inc.  
 (11) AU-A-2020455741  
 (21) 2020455741 (22) 01.07.2020  
 (54) Guided wash pipe milling  
 (51) Int. Cl.  
*E21B 29/06* (2006.01)  
*E21B 23/04* (2006.01)  
 (87) WO2022/005470  
 (31) 16/915,092 (32) 29.06.20 (33) US  
 (43) 06.01.2022  
 (72) BUTLER, Benjamin Luke; LIANG, Aihua; LANG, Loc Phuc  
 (74) Spruson & Ferguson
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- (71) Halliburton Energy Services, Inc.  
 (11) AU-A-2020456100  
 (21) 2020456100 (22) 01.07.2020  
 (54) Hydraulic retrieving tool with drifting capabilities  
 (51) Int. Cl.  
*E21B 7/06* (2006.01)  
*E21B 23/04* (2006.01)  
*E21B 33/1295* (2006.01)  
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 (31) 16/915,554 (32) 29.06.20 (33) US  
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 (72) RODRIGUEZ, Franklin Charles; FALNES, Morten; HEPBURN, Neil  
 (74) Spruson & Ferguson
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 (21) 2022209248 (22) 31.03.2022  
 (54) Novel conjugate of immune-stimulating IL-2 analog and preparation method thereof  
 (51) Int. Cl.
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*C07K 14/55* (2006.01)  
*C07K 16/46* (2006.01)  
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 (11) AU-A-2021228281  
 (21) 2021228281 (22) 27.02.2021  
 (54) Methods and systems to produce lightweight reinforced thermoplastic articles  
 (51) Int. Cl.  
*B29B 15/08* (2006.01)  
*B27N 3/04* (2006.01)  
*B29B 15/10* (2006.01)  
*B29B 15/12* (2006.01)  
 (87) WO2021/174155  
 (31) 62/982,406 (32) 27.02.20 (33) US  
 (43) 02.09.2021  
 (72) CHEN, Hongyu; WANG, Ruomiao; MARSON, Mark O.  
 (74) LAMINAR IP PTY LTD
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- (71) Hellenic Research Centre for Metals S.A.  
 (11) AU-A-2021232470  
 (21) 2021232470 (22) 01.03.2021  
 (54) Method and installation for producing aluminum can sheet  
 (51) Int. Cl.  
*C22F 1/04* (2006.01)  
 (87) WO2021/175761  
 (31) 20160733.0 (32) 03.03.20 (33) EP  
 (43) 10.09.2021  
 (72) TSIROS, Ioannis; SPATHIS, Dionysios; STASSINOPOULOS, Michael; MAUROUDIS, Andreas  
 (74) Davies Collison Cave Pty Ltd
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- (71) Herrenknecht Aktiengesellschaft  
 (11) AU-A-2021263785  
 (21) 2021263785 (22) 13.04.2021  
 (54) Tunnel boring machine  
 (51) Int. Cl.  
*E21D 9/00* (2006.01)  
 (87) WO2021/219369  
 (31) 10 2020 111 585.7 (32) 28.04.20 (33) DE  
 (43) 04.11.2021  
 (72) BURGER, Werner; WEHRMEYER, Gerhard  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Hill's Pet Nutrition, Inc.  
 (11) AU-A-2021253003  
 (21) 2021253003 (22) 06.04.2021  
 (54) Pet food compositions  
 (51) Int. Cl.  
*A23K 10/00* (2016.01)  
*A23K 10/30* (2016.01)  
*A23K 20/163* (2016.01)  
*A23K 20/20* (2016.01)  
*A23K 50/40* (2016.01)

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**A23K 50/45** ( 2016.01 )  
**A23K 50/48** ( 2016.01 )  
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**(31)** 63/005,959 **(32)** 06.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** WERNIMONT, Susan; GROSS, Kathy; JACKSON, Matthew; STORMER, Andrew  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD
- 
- (71)** Hilti Aktiengesellschaft  
**(11)** AU-A-2021269737  
**(21)** 2021269737 **(22)** 06.05.2021  
**(54)** Multi-component inorganic capsule anchoring system based on ground-granulated blast-furnace slag  
**(51)** Int. Cl.  
**C04B 28/00** ( 2006.01 )  
**C04B 40/06** ( 2006.01 )  
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**(31)** 20174879.5 **(32)** 15.05.20 **(33)** EP  
 20174882.9 15.05.20 EP  
 20174887.8 15.05.20 EP  
**(43)** 18.11.2021  
**(72)** WHITTAKER, Mark; SCHÖNLEIN, Markus  
**(74)** Spruson & Ferguson
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- (71)** Hilti Aktiengesellschaft  
**(11)** AU-A-2021270338  
**(21)** 2021270338 **(22)** 06.05.2021  
**(54)** Multi-component inorganic capsule anchoring system based on Portland cement clinker  
**(51)** Int. Cl.  
**C04B 28/04** ( 2006.01 )  
**C04B 28/16** ( 2006.01 )  
**C04B 40/06** ( 2006.01 )  
**(87)** WO2021/228679  
**(31)** 20174885.2 **(32)** 15.05.20 **(33)** EP  
**(43)** 18.11.2021  
**(72)** SCHÖNLEIN, Markus; PFEIL, Armin; MIDDENDORF, Bernhard; SCHADE, Tim  
**(74)** Spruson & Ferguson
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- (71)** Hilti Aktiengesellschaft  
**(11)** AU-A-2021270769  
**(21)** 2021270769 **(22)** 06.05.2021  
**(54)** Finely ground granulated blast-furnace slag in a cement-based multicomponent mortar system for use as an inorganic chemical fixing system  
**(51)** Int. Cl.  
**C04B 28/00** ( 2006.01 )  
**C04B 40/06** ( 2006.01 )  
**(87)** WO2021/228680  
**(31)** 20174882.9 **(32)** 15.05.20 **(33)** EP  
**(43)** 18.11.2021  
**(72)** SCHÖNLEIN, Markus; PFEIL, Armin; MIDDENDORF, Bernhard; SCHADE, Tim; WETZEL, Alexander  
**(74)** Spruson & Ferguson
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- (71)** Hitachi Construction Machinery Co., Ltd.  
**(11)** AU-A-2021247535  
**(21)** 2021247535 **(22)** 12.03.2021  
**(54)** Traffic control server, traffic control system, and display device capable of wireless communication with traffic control server  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**G06Q 50/08** ( 2012.01 )  
**G08G 1/00** ( 2006.01 )  
**G08G 1/01** ( 2006.01 )  
**G08G 1/16** ( 2006.01 )  
**(87)** WO2021/200025  
**(31)** 2020-061867 **(32)** 31.03.20 **(33)** JP  
**(43)** 07.10.2021  
**(72)** MORIZANE, Hiroto; HAMADA, Tomoyuki; BANDO, Mikio; KANAI, Masaki  
**(74)** Griffith Hack
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- (71)** HK Inno.N Corporation  
**(11)** AU-A-2021225484  
**(21)** 2021225484 **(22)** 26.02.2021  
**(54)** Pharmaceutical composition comprising benzimidazole derivative compound  
**(51)** Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/24** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61K 31/4184** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**(87)** WO2021/171239  
**(31)** 10-2020-0024657 **(32)** 27.02.20 **(33)** KR  
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**(43)** 02.09.2021  
**(72)** LEE, Suchul; JEON, Eun Kyung; CHO, Young Dae; LEE, Sung Ah; KIM, Dong Hyun; KIM, Myeongjoong; JOO, So Hyun; KIM, Bong Tae  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Hologic, Inc.; SuperSonic Imagine; St. Pierre, S.; Laviola, J.; Sportouche, H.; Fraschini, C.  
**(11)** AU-A-2021224768  
**(21)** 2021224768 **(22)** 19.02.2021  
**(54)** Real-time AI for physical biopsy marker detection  
**(51)** Int. Cl.  
**G16H 30/40** ( 2018.01 )  
**A61B 17/00** ( 2006.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/70** ( 2018.01 )  
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**(31)** 62/979,851 **(32)** 21.02.20 **(33)** US  
**(43)** 26.08.2021  
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**(74)** Ellis Terry
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- (71)** Honda Motor Co., Ltd.  
**(11)** AU-A-2020437974  
**(21)** 2020437974 **(22)** 27.03.2020
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- (54)** Operation management device, operation management program and operation management method  
**(51)** Int. Cl.  
**A01D 34/00** ( 2006.01 )  
**G06Q 50/02** ( 2012.01 )  
**(87)** WO2021/192259  
**(43)** 30.09.2021  
**(72)** TAKAHASHI, Hiroto; KAWAKAMI, Toshiaki; YOKOYAMA, Taro; SONG, Wei; KANISAWA, Takuya  
**(74)** Spruson & Ferguson
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- (71)** Howmedica Osteonics Corp.  
**(11)** AU-A-2021259279  
**(21)** 2021259279 **(22)** 19.04.2021  
**(54)** Inserter for glenosphere  
**(51)** Int. Cl.  
**A61B 17/92** ( 2006.01 )  
**(87)** WO2021/216405  
**(31)** 63/012,434 **(32)** 20.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** KARTHOLL, Matthew Victor; PENNINGER, Charles L.; KOEPKE, Ryan D.; MUTCHLER, Austin Wyatt  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Howmet Aerospace Inc.  
**(11)** AU-A-2021264070  
**(21)** 2021264070 **(22)** 30.04.2021  
**(54)** Multi-piece fastener including a lockbolt collar assembly and method of fastening  
**(51)** Int. Cl.  
**F16B 19/05** ( 2006.01 )  
**B21J 15/02** ( 2006.01 )  
**(87)** WO2021/222862  
**(31)** 63/018,687 **(32)** 01.05.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** WILCOX, Robert B.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Hoya Corporation  
**(11)** AU-A-2020431045  
**(21)** 2020431045 **(22)** 24.12.2020  
**(54)** Intraocular lens insertion instrument  
**(51)** Int. Cl.  
**A61F 2/16** ( 2006.01 )  
**(87)** WO2021/171770  
**(31)** 2020-033060 **(32)** 28.02.20 **(33)** JP  
 2020-033061 28.02.20 JP  
**(43)** 02.09.2021  
**(72)** WATANABE, Yoshitaka; ITO, Tadashi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021236012  
**(21)** 2021236012 **(22)** 09.03.2021  
**(54)** Communication method and communication apparatus for sidelinks  
**(51)** Int. Cl.  
**H04W 4/40** ( 2018.01 )  
**(87)** WO2021/180079  
**(31)** 202010162936.X **(32)** 10.03.20 **(33)** CN

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(74) Spruson & Ferguson
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- (71) Huawei Technologies Co., Ltd.  
(11) AU-A-2021236725  
(21) 2021236725 (22) 10.03.2021  
(54) Communication method and device in uplink coordination  
(51) Int. Cl.  
H04W 28/16 (2009.01)  
H04W 28/18 (2009.01)  
H04W 48/08 (2009.01)  
H04W 72/12 (2009.01)  
(87) WO2021/185132  
(31) 202010195354.1 (32) 18.03.20 (33) CN  
(43) 23.09.2021  
(72) LI, Yunbo; TSODIK, Genadiy; HENC-INSKI, Oren; YU, Jian; GUO, Yuchen; GAN, Ming; ZHOU, Yifan  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Technologies Co., Ltd.  
(11) AU-A-2021238807  
(21) 2021238807 (22) 17.03.2021  
(54) An encoder, a decoder and corresponding methods  
(51) Int. Cl.  
H04N 21/845 (2011.01)  
(87) WO2021/185278  
(31) PCT/ (32) 17.03.20 (33) EP  
EP2020/057229  
(43) 23.09.2021  
(72) WANG, Biao; ESENLİK, Semih; ALSH-INA, Elena Alexandrovna; KOTRA, Anand Meher; GAO, Han  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Technologies Co., Ltd.  
(11) AU-A-2021244737  
(21) 2021244737 (22) 24.03.2021  
(54) An encoder, a decoder and corresponding methods  
(51) Int. Cl.  
H04N 19/70 (2014.01)  
H04N 19/30 (2014.01)  
(87) WO2021/190525  
(31) PCT/ (32) 24.03.20 (33) EP  
EP2020/058208  
(43) 30.09.2021  
(72) WANG, Biao; ESENLİK, Semih; ALSH-INA, Elena Alexandrovna; KOTRA, Anand Meher; GAO, Han  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huhtamaki Molded Fiber Technology B.V.  
(11) AU-A-2021257376  
(21) 2021257376 (22) 16.04.2021  
(54) Siplid for a container having a twisting effect, and method for manufacturing such siplid  
(51) Int. Cl.  
B65D 43/02 (2006.01)  
B65D 47/08 (2006.01)  
B65D 47/10 (2006.01)
- (71) B65D 65/46 (2006.01)  
(87) WO2021/210982  
(31) 2025367 (32) 17.04.20 (33) NL  
(43) 21.10.2021  
(72) VEENJE, Sandor Klaas; PERIDY, Guillaume Daniel Bernard  
(74) Spruson & Ferguson
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(51) Int. Cl.  
C12N 15/90 (2006.01)  
C12N 9/22 (2006.01)  
C12N 15/62 (2006.01)  
C12N 15/63 (2006.01)  
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(51) Int. Cl.  
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A01G 31/00 (2018.01)  
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(21) 2021257257 (22) 16.04.2021  
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(51) Int. Cl.  
C08J 3/215 (2006.01)  
G03G 9/00 (2006.01)  
G03G 9/087 (2006.01)  
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- (71) ILIAS Biologics Inc.  
(11) AU-A-2021247253  
(21) 2021247253 (22) 31.03.2021  
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(51) Int. Cl.  
C12N 5/071 (2010.01)  
A61K 35/12 (2015.01)  
C07K 14/47 (2006.01)
- (71) C12N 5/073 (2010.01)  
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(54) Imprinting apparatus  
(51) Int. Cl.  
G03F 7/00 (2006.01)  
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(51) Int. Cl.  
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(54) Genome sequencing and detection techniques  
(51) Int. Cl.  
G16B 30/10 (2019.01)  
G16B 20/20 (2019.01)  
G16H 50/80 (2018.01)  
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(51) Int. Cl.



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**G16H 50/80** ( 2018.01 )
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(11) AU-A-2021225817  
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treatment of cancer and related malignancies  
(51) Int. Cl.  
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**A61K 31/663** ( 2006.01 )  
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HAMED, Ali; WALTER, Steffen; BUL-  
LIARD, Yannick  
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(11) AU-A-2021236302  
(21) 2021236302 (22) 12.03.2021  
(54) Novel anti-LILRB4 antibodies and deriv-  
ative products  
(51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**C07K 19/00** ( 2006.01 )
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hui; ZHOU, Li; LI, Ji; WOODARD, J.  
Paul; LIAO, X. Charlene  
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(21) 2021246436 (22) 29.03.2021  
(54) Improved polynucleotides for expres-  
sion of RNA-guided nucleases and  
DNA binding proteins in soybean  
(51) Int. Cl.  
**A01H 5/00** ( 2018.01 )  
**C12N 5/10** ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2020436453  
(21) 2020436453 (22) 15.04.2020  
(54) Standardized plant extract from bio-  
mass of in vitro cultures, method for  
preparation and use thereof  
(51) Int. Cl.  
**C12N 5/00** ( 2006.01 )  
**A01H 4/00** ( 2006.01 )  
**A23L 33/105** ( 2016.01 )  
**A61K 8/9789** ( 2017.01 )  
**A61K 31/05** ( 2006.01 )  
**A61P 39/06** ( 2006.01 )
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Atanas Ivanov  
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(21) 2021261234 (22) 15.04.2021  
(54) Systems and methods for fish volume  
estimation, weight estimation, and ana-  
lytic value generation  
(51) Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )
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(31) 16/854,682 (32) 21.04.20 (33) US  
(43) 28.10.2021  
(72) MA, Chen; PARUPATI, Srikanth; PA-  
SULA, Raghunandan  
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tion Infaco  
(11) AU-A-2021231123  
(21) 2021231123 (22) 02.03.2021  
(54) Secateurs with a mechanical end stop  
(51) Int. Cl.  
**A01G 3/037** ( 2006.01 )
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pour l'Agriculture, l'Alimentation et  
l'Environnement; Assistance Publique  
- Hôpitaux de Paris; Sorbonne Uni-  
versite; INSERM (Institut National de la  
Santé et de la Recherche Médicale)
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(54) Coprococcus bacteria for use in the  
treatment of metabolic syndrome and  
inflammatory bowel diseases  
(51) Int. Cl.  
**A61K 35/74** ( 2015.01 )  
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MICHAUDEL, Chloé; PLANCHAIS, Juli-  
en; LANGELLA, Philippe  
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(11) AU-A-2021231886  
(21) 2021231886 (22) 05.03.2021  
(54) Body-worn wireless two-way commu-  
nication system and method of use  
(51) Int. Cl.  
**H04B 13/00** ( 2006.01 )  
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HADROVIC, Peter  
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(54) Forecasting based on Bernoulli uncer-  
tainty characterization  
(51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
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KUMAR, Sricharan  
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(54) Securing hash chains via hybrid con-  
sensus  
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(72) SCOTT, Glenn Carter; GABRIEL, Mi-  
chael Richard; MEIKE, Roger C.  
(74) Davies Collison Cave Pty Ltd
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- (71) Inventio AG  
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(21) 2021250298 (22) 25.03.2021  
(54) Positioning aid for positioning a nut on  
a guide rail of a lift system  
(51) Int. Cl.  
**B66B 19/00** ( 2006.01 )  
**B66B 7/02** ( 2006.01 )  
**F16B 13/00** ( 2006.01 )  
**F16B 37/00** ( 2006.01 )  
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(11) AU-A-2021261638					
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(54) Systems and methods for controlling an interactive hybrid environment representing a motorised sporting event at a track					
(51) Int. Cl.					
A63F 13/65 (2014.01)					
A63F 13/31 (2014.01)					
A63F 13/35 (2014.01)					
A63F 13/57 (2014.01)					
A63F 13/803 (2014.01)					
G01S 17/88 (2006.01)					
G08G 1/01 (2006.01)					
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(72) GARDNER, David; BRADLEY, Andrew					
(74) FPA Patent Attorneys Pty Ltd					
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(71) Istituto Nazionale di Fisica Nucleare; Universita' degli Studi di Perugia; Universita' degli Studi di Trento; Fondazione Telethon					
(11) AU-A-2021244941					
(21) 2021244941	(22) 29.03.2021				
(54) Small molecules inducing the degradation of the cellular prion protein					
(51) Int. Cl.					
A61P 25/00 (2006.01)					
A61K 31/437 (2006.01)					
A61P 35/00 (2006.01)					
C07D 471/04 (2006.01)					
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(71) J.R. Simplot Company					
(11) AU-A-2021228751					
(21) 2021228751	(22) 26.02.2021				
(54) Potato transformation vectors					
(51) Int. Cl.					
A23L 19/10 (2016.01)					
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(31) 62/983,502	(32) 28.02.20	(33) US			
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(72) CHAMPOURET, Nicolas; RICHAEAL, Craig; DUAN, Hui					
(74) Knightsbridge Patent Attorneys					
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(71) Janpix, Ltd.					
(11) AU-A-2021232072					
(21) 2021232072	(22) 05.03.2021				
(54) STAT inhibitory compounds and compositions					
(51) Int. Cl.					
A61K 31/18 (2006.01)					
A61P 11/00 (2006.01)					
A61P 35/00 (2006.01)					
C07C 311/46 (2006.01)					
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(74) FB Rice Pty Ltd					
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(71) Janssen BioPharma, Inc.					
(11) AU-A-2021237843					
(21) 2021237843	(22) 15.03.2021				
(54) Synthesis of 3'N nucleosides through oxime intermediates and related compounds					
(51) Int. Cl.					
C07H 1/00 (2006.01)					
C07H 19/00 (2006.01)					
C07H 19/067 (2006.01)					
C07H 19/167 (2006.01)					
C07H 21/00 (2006.01)					
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(72) GRYAZNOV, Sergei; RAJWANSHI, Vivek Kumar; HOUPIS, Ioannis N.					
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(71) Janssen Biotech, Inc.					
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(21) 2021225870	(22) 26.02.2021				
(54) Materials and methods for modulating an immune response					
(51) Int. Cl.					
A61K 39/395 (2006.01)					
C07K 16/28 (2006.01)					
C07K 16/46 (2006.01)					
C07K 19/00 (2006.01)					
C12N 15/09 (2006.01)					
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(72) GANESAN, Rajkumar; GREWAL, Iqbal S.; SINGH, Sanjaya					
(74) Spruson & Ferguson					
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(71) Janssen Pharmaceutica NV					
(11) AU-A-2021222332					
(21) 2021222332	(22) 18.02.2021				
(54) Macrocyclic indole derivatives as inhibitors of MCL-1					
(51) Int. Cl.					
C07D 515/22 (2006.01)					
A61K 31/395 (2006.01)					
A61P 35/00 (2006.01)					
(87) WO2021/165370					
(31) 20158764.9	(32) 21.02.20	(33) EP			
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(74) Spruson & Ferguson					
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(71) Janssen Vaccines & Prevention B.V.					
(11) AU-A-2021250630					
(21) 2021250630	(22) 01.04.2021				
(54) Stabilized vaccine compositions					
(51) Int. Cl.					
A61K 39/12 (2006.01)					
A61K 31/00 (2006.01)					
A61K 39/145 (2006.01)					
A61K 39/155 (2006.01)					
A61K 39/21 (2006.01)					
A61P 31/14 (2006.01)					
A61P 31/16 (2006.01)					
A61P 31/18 (2006.01)					
(87) WO2021/198413					
(31) 20167718.4	(32) 02.04.20	(33) EP			
(43) 07.10.2021					
(72) RITSCHHEL, Tina; VOORZAAT, Richard; RUTTEN, Lucy; JONGENEELLEN,					

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**(74)** Spruson & Ferguson

**(71)** Javelin Biotech, Inc.  
**(11)** AU-A-2021248595  
**(21)** 2021248595 **(22)** 30.03.2021  
**(54)** Microfluidic devices and methods of designing and using microfluidic devices  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**(87)** WO2021/202539  
**(31)** 16/834,235 **(32)** 30.03.20 **(33)** US  
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**(72)** CIRIT, Murat  
**(74)** RnB IP Pty Ltd

**(71)** Jem Accessories Inc.  
**(11)** AU-A-2021240045  
**(21)** 2021240045 **(22)** 19.03.2021  
**(54)** Illuminating electronic cable connector  
**(51)** Int. Cl.  
**G02B 6/42** ( 2006.01 )  
**H01R 13/40** ( 2006.01 )  
**H02G 1/14** ( 2006.01 )  
**H04B 10/077** ( 2013.01 )  
**(87)** WO2021/188943  
**(31)** 62/991,643 **(32)** 19.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** Not Given  
**(74)** Spruson & Ferguson

**(71)** Johnson & Johnson Consumer Inc.  
**(11)** AU-A-2021240467  
**(21)** 2021240467 **(22)** 23.03.2021  
**(54)** Leave-on light oil hair composition  
**(51)** Int. Cl.  
**A61K 8/31** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/37** ( 2006.01 )  
**A61K 8/891** ( 2006.01 )  
**A61Q 5/00** ( 2006.01 )  
**A61Q 5/06** ( 2006.01 )  
**(87)** WO2021/191788  
**(31)** 16/829,214 **(32)** 25.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** EKMAN-GUNN, Euen; NOGUEIRA, Ana Carolina  
**(74)** Spruson & Ferguson

**(71)** Johnson & Johnson Consumer Inc.  
**(11)** AU-A-2021240478  
**(21)** 2021240478 **(22)** 24.03.2021  
**(54)** Compositions comprising Carum carvi and Rosmarinus officinalis extracts and methods of using same  
**(51)** Int. Cl.  
**A61K 36/23** ( 2006.01 )  
**A61K 8/97** ( 2017.01 )  
**A61K 36/53** ( 2006.01 )  
**(87)** WO2021/191815  
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**(72)** MAHMOOD, Khalid; BRUN, Cecilia; VAN DEN HEUVAL, Antonius P.J.; SERRANO, Jose  
**(74)** Spruson & Ferguson

**(71)** Johnson & Johnson Consumer Inc.  
**(11)** AU-A-2021243854  
**(21)** 2021243854 **(22)** 25.03.2021  
**(54)** Compositions comprising Carum carvi and Rosmarinus officinalis extracts and methods of using same  
**(51)** Int. Cl.  
**A61K 36/23** ( 2006.01 )  
**A61K 8/97** ( 2017.01 )  
**A61K 36/53** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**(31)** 63/000,402 **(32)** 26.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** MAHMOOD, Khalid; BRUN, Cecilia; VAN DEN HEUVEL, Antonius P. J.; SERRANO, Jose  
**(74)** Spruson & Ferguson

**(71)** Jounce Therapeutics, Inc.  
**(11)** AU-A-2021260553  
**(21)** 2021260553 **(22)** 19.04.2021  
**(54)** Compositions and methods for vaccination and the treatment of infectious diseases  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**(87)** WO2021/216417  
**(31)** 63/012,574 **(32)** 20.04.20 **(33)** US  
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**(43)** 28.10.2021  
**(72)** HARVEY, Christopher; MURRAY, Richard; HUEBNER, Robert  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** JPMorgan Chase Bank, N.A.  
**(11)** AU-A-2021242254  
**(21)** 2021242254 **(22)** 22.03.2021  
**(54)** Systems and methods for customer identity protection from service or product providers  
**(51)** Int. Cl.  
**G06Q 20/02** ( 2012.01 )  
**G06Q 20/14** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 30/06** ( 2012.01 )  
**(87)** WO2021/194928  
**(31)** 62/994,189 **(32)** 24.03.20 **(33)** US  
 17/197,823 10.03.21 US  
**(43)** 30.09.2021  
**(72)** DAO, Tuan  
**(74)** AJ PARK

**(71)** Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation  
**(11)** AU-A-2021254011  
**(21)** 2021254011 **(22)** 04.02.2021

**(54)** Feeding device  
**(51)** Int. Cl.  
**B65G 47/30** ( 2006.01 )  
**B65G 47/52** ( 2006.01 )  
**(87)** WO2021/205733  
**(31)** 2020-070241 **(32)** 09.04.20 **(33)** JP  
**(43)** 14.10.2021  
**(72)** ASANUMA, Reiya  
**(74)** FB Rice Pty Ltd

**(71)** Kemira Oyj  
**(11)** AU-A-2021238334  
**(21)** 2021238334 **(22)** 17.03.2021  
**(54)** GPAM compositions and methods  
**(51)** Int. Cl.  
**C08L 33/26** ( 2006.01 )  
**D21H 17/55** ( 2006.01 )  
**D21H 21/20** ( 2006.01 )  
**(87)** WO2021/188701  
**(31)** 62/991,380 **(32)** 18.03.20 **(33)** US  
 20205544 27.05.20 FI  
**(43)** 23.09.2021  
**(72)** LU, Chen; LEWIS, Christopher Michael; GARRISI, William James  
**(74)** FB Rice Pty Ltd

**(71)** Kemira Oyj  
**(11)** AU-A-2021239958  
**(21)** 2021239958 **(22)** 17.03.2021  
**(54)** Compositions and methods for increased wet and dry strength  
**(51)** Int. Cl.  
**C08L 33/26** ( 2006.01 )  
**D21H 17/55** ( 2006.01 )  
**D21H 21/20** ( 2006.01 )  
**(87)** WO2021/188705  
**(31)** 62/991,318 **(32)** 18.03.20 **(33)** US  
 20205543 27.05.20 FI  
**(43)** 23.09.2021  
**(72)** LU, Chen  
**(74)** FB Rice Pty Ltd

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-A-2020433809  
**(21)** 2020433809 **(22)** 05.03.2020  
**(54)** Embossed multi-ply tissue products  
**(51)** Int. Cl.  
**A47K 10/16** ( 2006.01 )  
**B31F 1/07** ( 2006.01 )  
**D21H 27/02** ( 2006.01 )  
**D21H 27/40** ( 2006.01 )  
**(87)** WO2021/177957  
**(43)** 10.09.2021  
**(72)** KRUCHOSKI, Benjamin J.; BUYESKE, Joseph W.; SIERRA, Benjamin P.; AVERY, Megan E.; LOCY, Scott C.; WATSON, Bryan; JOBS, Dennis M.; HAMMETT, David  
**(74)** Spruson & Ferguson

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-A-2021230600  
**(21)** 2021230600 **(22)** 05.03.2021  
**(54)** Improved spunbond system and process  
**(51)** Int. Cl.  
**D01D 5/088** ( 2006.01 )

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**D04H 1/72** ( 2012.01 )  
**D04H 3/03** ( 2012.01 )  
**D01D 4/06** ( 2006.01 )
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(31) 62/985,712 (32) 05.03.20 (33) US  
(43) 10.09.2021  
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(74) Spruson & Ferguson
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- (71) Kinsa Inc.  
(11) AU-A-2021239897  
(21) 2021239897 (22) 03.03.2021  
(54) Systems and methods for contagious illness surveillance and outbreak detection  
(51) Int. Cl.  
**A61B 5/00** ( 2006.01 )
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(31) 62/991,074 (32) 18.03.20 (33) US  
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(72) SINGH, Inder Raj  
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- (71) Kitz Corporation  
(11) AU-A-2021228453  
(21) 2021228453 (22) 25.02.2021  
(54) Valve  
(51) Int. Cl.  
**F16K 27/06** ( 2006.01 )
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(31) 2020-029678 (32) 25.02.20 (33) JP  
(43) 02.09.2021  
(72) FUNATO, Masazumi; HOSOKAWA, Mitsuru; WATANABE, Tetsuya; WATANABE, Osamu; SHIMIZU, Hisashi  
(74) Griffith Hack
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- (71) Knorr-Bremse Espana, S.A.; Merak Jinxin Air Conditioning Systems (Wuxi) Co., Ltd.  
(11) AU-A-2021272969  
(21) 2021272969 (22) 14.05.2021  
(54) Positive and negative oxygen ion air purification system using dielectric barrier discharge for rail transport  
(51) Int. Cl.  
**B60H 3/00** ( 2006.01 )  
**B61D 27/00** ( 2006.01 )
- (87) WO2021/228221  
(31) 202010413543.1 (32) 15.05.20 (33) CN  
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(72) YA, Mingliang; WANG, Zhenggen; ZHANG, Shangqun  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Komatsu Ltd.  
(11) AU-A-2021271467  
(21) 2021271467 (22) 22.04.2021  
(54) Tunnel excavation apparatus  
(51) Int. Cl.  
**E21D 11/40** ( 2006.01 )  
**E21D 9/06** ( 2006.01 )
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(31) 2020-083822 (32) 12.05.20 (33) JP  
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(11) AU-A-2021279790  
(21) 2021279790 (22) 22.04.2021  
(54) Method for controlling tunnel-drilling rig, and tunnel-drilling rig  
(51) Int. Cl.  
**E21D 9/11** ( 2006.01 )
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(31) 2020-094432 (32) 29.05.20 (33) JP  
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(74) Spruson & Ferguson
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(11) AU-A-2021248392  
(21) 2021248392 (22) 01.04.2021  
(54) Methods and systems for detection of pathogens  
(51) Int. Cl.  
**C12Q 1/70** ( 2006.01 )
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(43) 07.10.2021  
(72) KRUEGER, Brian; BURNS, Ayla; WAGNER, Kimberly  
(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2021229804  
(21) 2021229804 (22) 17.02.2021  
(54) Wide-area power supply system  
(51) Int. Cl.  
**H02J 15/00** ( 2006.01 )  
**C25B 1/04** ( 2021.01 )  
**C25B 9/00** ( 2021.01 )  
**G06Q 50/06** ( 2012.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/0656** ( 2016.01 )  
**H02J 3/38** ( 2006.01 )
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(31) 2020-036883 (32) 04.03.20 (33) JP  
(43) 10.09.2021  
(72) KAMEI, Masamichi  
(74) FB Rice Pty Ltd
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- (71) Landis+Gyr Innovations, Inc.  
(11) AU-A-2021228603  
(21) 2021228603 (22) 22.02.2021  
(54) Automatic discovery of electrical supply network topology and phase  
(51) Int. Cl.  
**H02J 13/00** ( 2006.01 )  
**G01D 4/00** ( 2006.01 )  
**G01R 29/18** ( 2006.01 )  
**H02J 3/00** ( 2006.01 )
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(31) 16/800,315 (32) 25.02.20 (33) US
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(72) DAVIS, Ian Jackson  
(74) Davies Collison Cave Pty Ltd
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- (71) Larimar Therapeutics, Inc.  
(11) AU-A-2021242355  
(21) 2021242355 (22) 26.03.2021  
(54) Molecules for organelle-specific protein delivery  
(51) Int. Cl.  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )
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(72) BETTOUN, Joan David; WISSNER, Rebecca  
(74) Spruson & Ferguson
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(54) Systems and methods for learning-based network  
(51) Int. Cl.  
**G06Q 50/20** ( 2012.01 )  
**G06F 3/0482** ( 2013.01 )  
**G06F 16/242** ( 2019.01 )
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(74) FPA Patent Attorneys Pty Ltd
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(21) 2020432839 (22) 19.11.2020  
(54) Composite glass composition for washing and cleaning and method for producing composite glass powder using same  
(51) Int. Cl.  
**C11D 7/20** ( 2006.01 )  
**C03C 3/078** ( 2006.01 )  
**C03C 12/00** ( 2006.01 )  
**C11D 7/10** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )
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(72) KIM, Jinson; KIM, Young Seok; KIM, Namjin  
(74) Dentons Patent Attorneys Australasia Limited
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(21) 2020433244 (22) 27.11.2020  
(54) Solar cell and method of fabricating same  
(51) Int. Cl.  
**H01L 31/0368** ( 2006.01 )  
**H01L 31/02** ( 2006.01 )  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/0376** ( 2006.01 )  
**H01L 31/0687** ( 2012.01 )

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**H01L 31/18** ( 2006.01 )  
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**(43)** 10.09.2021  
**(72)** LEE, Kyoungsoo; LEE, Giwon; SHIM, Goohwan  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** LG Electronics Inc.  
**(11)** AU-A-2020433763  
**(21)** 2020433763 **(22)** 13.11.2020  
**(54)** Space-customized refrigerator system  
**(51)** Int. Cl.  
**F25D 23/10** ( 2006.01 )  
**A47B 77/08** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
**(87)** WO2021/177547  
**(31)** 10-2020-0025906 **(32)** 02.03.20 **(33)** KR  
**(43)** 10.09.2021  
**(72)** JUNG, Yongrak; LEE, Hakju; YANG, Changwoan  
**(74)** Dentons Patent Attorneys Australasia Limited
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**(11)** AU-A-2021396892  
**(21)** 2021396892 **(22)** 26.10.2021  
**(54)** Refrigerator  
**(51)** Int. Cl.  
**F25D 17/08** ( 2006.01 )  
**F25D 17/06** ( 2006.01 )  
**F25D 23/06** ( 2006.01 )  
**(87)** WO2022/124568  
**(31)** 10-2020-0172259 **(32)** 10.12.20 **(33)** KR  
**(43)** 16.06.2022  
**(72)** SEO, Haewon; PARK, Dohyun; KANG, Sunghae; CHO, Yongbum; KIM, Kihwang  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** Lifescience AS  
**(11)** AU-A-2021247584  
**(21)** 2021247584 **(22)** 31.03.2021  
**(54)** Sialic acid compositions for use in inhibiting and treating coronavirus infection  
**(51)** Int. Cl.  
**A61K 31/7012** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**(87)** WO2021/198774  
**(31)** 63/003,477 **(32)** 01.04.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** REMMEREIT, Jan  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Ligandal, Inc.  
**(11)** AU-A-2021227918  
**(21)** 2021227918 **(22)** 25.02.2021  
**(54)** Identification of biomimetic viral peptides and uses thereof  
**(51)** Int. Cl.  
**A61K 38/16** ( 2006.01 )
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- A61K 39/42** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 16/10** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
**(87)** WO2021/173879  
**(31)** 62/981,453 **(32)** 25.02.20 **(33)** US  
 63/002,249 30.03.20 US  
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 63/091,291 13.10.20 US  
**(43)** 02.09.2021  
**(72)** WATSON, Andre Ronald; IZVORSKI, Alexander  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Linde GmbH  
**(11)** AU-A-2021253067  
**(21)** 2021253067 **(22)** 22.03.2021  
**(54)** Storage tank  
**(51)** Int. Cl.  
**F17C 3/08** ( 2006.01 )  
**E04H 7/04** ( 2006.01 )  
**F17C 3/00** ( 2006.01 )  
**(87)** WO2021/204419  
**(31)** 20020156.4 **(32)** 06.04.20 **(33)** EP  
**(43)** 14.10.2021  
**(72)** AIGNER, Herbert; SCHÖNBERGER, Manfred  
**(74)** Spruson & Ferguson
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- (71)** Luigi Lavazza S.p.A.  
**(11)** AU-A-2021251468  
**(21)** 2021251468 **(22)** 24.03.2021  
**(54)** Compostable material for packaging food products  
**(51)** Int. Cl.  
**C08L 1/28** ( 2006.01 )  
**B65D 85/804** ( 2006.01 )  
**C08L 99/00** ( 2006.01 )  
**(87)** WO2021/205269  
**(31)** 10202000007519 **(32)** 08.04.20 **(33)** IT  
**(43)** 14.10.2021  
**(72)** DI MARCO, Massimo; DIMAKOU, Julie; ARGYLE, Iain  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Macquarie University  
**(11)** AU-A-2021246542  
**(21)** 2021246542 **(22)** 31.03.2021  
**(54)** Recombinant microorganisms and process  
**(51)** Int. Cl.  
**C12N 15/52** ( 2006.01 )  
**C07K 14/405** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12N 9/02** ( 2006.01 )  
**C12N 15/70** ( 2006.01 )  
**C12P 1/00** ( 2006.01 )  
**C12P 1/04** ( 2006.01 )  
**C12P 3/00** ( 2006.01 )  
**H01M 8/16** ( 2006.01 )  
**(87)** WO2021/195705  
**(31)** 2020900990 **(32)** 31.03.20 **(33)** AU  
**(43)** 07.10.2021  
**(72)** WILLOWS, Robert; BROWN, Louise; CURACH, Natalie; JERKOVIC, Ante; PETROLL, Kerstin; JOHNS, Jocelyn; KING, Samuel; EDMONDS, Ari  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Magaldi Power S.p.A.  
**(11)** AU-A-2021249572  
**(21)** 2021249572 **(22)** 31.03.2021  
**(54)** System and method for the thermal processing of bulk material by intense concentrated solar power  
**(51)** Int. Cl.  
**F26B 3/28** ( 2006.01 )  
**F26B 17/02** ( 2006.01 )  
**F26B 17/04** ( 2006.01 )  
**(87)** WO2021/198942  
**(31)** 10202000007063 **(32)** 03.04.20 **(33)** IT  
**(43)** 07.10.2021  
**(72)** MAGALDI, Mario; BASSETTI, Fulvio; NATHAN, Graham Gus; CHINNICI, Alfonso; B. DALLY, Bassam  
**(74)** GLMR
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- (71)** Magdy Zareef Zaki, R.  
**(11)** AU-A-2020449613  
**(21)** 2020449613 **(22)** 29.05.2020  
**(54)** Ramez very smart earthing system, short circuit and overcurrent protection  
**(51)** Int. Cl.  
**H01H 83/20** ( 2006.01 )  
**H02H 3/04** ( 2006.01 )  
**(87)** WO2021/240220  
**(43)** 02.12.2021  
**(72)** MAGDY ZAREEF ZAKI, Ramez  
**(74)** Ramez magdy zareef zaki
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- (71)** Mammoth Biosciences, Inc.  
**(11)** AU-A-2021253957  
**(21)** 2021253957 **(22)** 09.04.2021  
**(54)** High-plex guide pooling for nucleic acid detection  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61P 31/04** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**(87)** WO2021/207702  
**(31)** 63/008,500 **(32)** 10.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** VEROSLOFF, Matthew; FASCHING, Clare; HENDRIKS, Carley Gelenter; MIAO, Xin; BROUGHTON, James Paul; HARRINGTON, Lucas Benjamin; CHEN, Janice Sha  
**(74)** FB Rice Pty Ltd
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- (71)** Mars, Incorporated  
**(11)** AU-A-2021253850  
**(21)** 2021253850 **(22)** 07.04.2021  
**(54)** Methods for characterizing the nutritional needs of an animal and for selecting food products  
**(51)** Int. Cl.  
**A23K 50/40** ( 2016.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06Q 50/10** ( 2012.01 )  
**G09B 19/00** ( 2006.01 )  
**G16H 20/60** ( 2018.01 )  
**(87)** WO2021/207370  
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 (74) Griffith Hack
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 (11) AU-A-2021268884  
 (21) 2021268884 (22) 23.04.2021  
 (54) Palatable support compositions for administration of medicinal products  
 (51) Int. Cl.  
 A23K 20/147 ( 2016.01 )  
 A23K 40/20 ( 2016.01 )  
 A23K 50/40 ( 2016.01 )  
 A61K 9/00 ( 2006.01 )  
 A61K 35/00 ( 2006.01 )  
 A61K 38/00 ( 2006.01 )  
 A61K 47/44 ( 2017.01 )  
 A61K 47/46 ( 2006.01 )  
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 (31) 20173110.6 (32) 06.05.20 (33) EP  
 (43) 11.11.2021  
 (72) BRECIN, Karine; VIALLE, Sandrine; RAASCH, Melody  
 (74) Griffith Hack
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- (71) Martin, T.; Zhang, P.  
 (11) AU-A-2021228670  
 (21) 2021228670 (22) 25.02.2021  
 (54) Mobile intelligent injury minimization system and method  
 (51) Int. Cl.  
 A63B 71/00 ( 2006.01 )  
 (87) WO2021/173871  
 (31) 62/982,660 (32) 27.02.20 (33) US  
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 (43) 02.09.2021  
 (72) MARTIN, Todd M.; ZHANG, Ping  
 (74) SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD
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- (71) McSAF Inside Oncology  
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 (21) 2021227413 (22) 26.02.2021  
 (54) Anti-CD56 antibody-drug conjugates and their use in therapy  
 (51) Int. Cl.  
 A61K 47/68 ( 2017.01 )  
 A61P 35/00 ( 2006.01 )  
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 (31) FR2001974 (32) 27.02.20 (33) FR  
 (43) 02.09.2021  
 (72) JUEN, Ludovic; BALTUS, Christine; DESGRANGES, Audrey; TOUZÉ, Antoine; KERVARREC, Thibault; LEBLOND, Valérie; SAMIMI, Mahtab  
 (74) Spruson & Ferguson
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- (71) MD Healthcare Inc.  
 (11) AU-A-2021291569  
 (21) 2021291569 (22) 12.03.2021  
 (54) Composition for preventing or treating neurological or mental disorders comprising vesicles derived from Lactobacillus paracasei  
 (51) Int. Cl.  
 A61K 35/744 ( 2015.01 )
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- A23L 33/135 ( 2016.01 )  
 A61P 3/00 ( 2006.01 )  
 A61P 21/00 ( 2006.01 )  
 A61P 25/18 ( 2006.01 )  
 (87) WO2021/256665  
 (31) 10-2020-0072685 (32) 16.06.20 (33) KR  
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 (43) 23.12.2021  
 (72) KIM, Yoon-Keun  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Mediphage Bioceuticals, Inc.  
 (11) AU-A-2021249531  
 (21) 2021249531 (22) 31.03.2021  
 (54) Vectors for producing virus-like particles and uses thereof  
 (51) Int. Cl.  
 C12N 15/86 ( 2006.01 )  
 A61K 9/72 ( 2006.01 )  
 A61K 39/215 ( 2006.01 )  
 A61K 39/385 ( 2006.01 )  
 A61P 31/12 ( 2006.01 )  
 A61P 31/14 ( 2006.01 )  
 A61P 37/04 ( 2006.01 )  
 C07K 14/005 ( 2006.01 )  
 C07K 14/165 ( 2006.01 )  
 C12N 5/10 ( 2006.01 )  
 C12N 7/01 ( 2006.01 )  
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 C12N 9/22 ( 2006.01 )  
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**C12M 1/00** ( 2006.01 )  
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**H01B 7/28** ( 2006.01 )  
**H01B 7/285** ( 2006.01 )  
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**C08F 214/18** ( 2006.01 )  
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**C07D 213/02** ( 2006.01 )  
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**C07D 249/04** ( 2006.01 )  
**C07D 261/02** ( 2006.01 )  
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 (31) PCT/ CN2020/088590 (32) 05.05.20 (33) CN  
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 (72) TANG, Xinxing; HORAN, Joshua Courtney; MENTE, Scot Richard; PELISH, Henry Efreim; SHAIR, Matthew D.; TANGPEERACHAIKUL, Anupong  
 (74) FB Rice Pty Ltd
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- (71) Ogletree, M.  
 (11) AU-A-2021246444  
 (21) 2021246444 (22) 30.03.2021  
 (54) Methods and pharmaceutical compositions of thromboxane A2 receptor antagonist for the treatment of COVID-19  
 (51) Int. Cl.  
**A61K 31/422** ( 2006.01 )  
**A61K 31/559** ( 2006.01 )  
 (87) WO2021/202437  
 (31) 63/002,511 (32) 31.03.20 (33) US  
 (43) 07.10.2021  
 (72) OGLETREE, Martin  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Ojjo, Inc.  
 (11) AU-A-2021228754  
 (21) 2021228754 (22) 26.02.2021  
 (54) Truss foundations for frost-heave environments  
 (51) Int. Cl.  
**H02S 30/10** ( 2014.01 )  
**H02S 20/32** ( 2014.01 )  
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 (31) 62/982,080 (32) 27.02.20 (33) US  
 (43) 02.09.2021  
 (72) ALMY, Charles  
 (74) LAMINAR IP PTY LTD
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- (71) Omeros Corporation  
 (11) AU-A-2021231892  
 (21) 2021231892 (22) 05.03.2021  
 (54) Methods of inhibiting MASP-2 for the treatment and/or prevention of coronavirus-induced acute respiratory distress syndrome  
 (51) Int. Cl.  
**A61P 11/00** ( 2006.01 )  
**A61P 11/16** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
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 (31) 63/140,591 (32) 22.01.21 (33) US  
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 (43) 10.09.2021  
 (72) DEMOPULOS, Gregory A.; QUINTON, Tineka J.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Opticgon LLC  
 (11) AU-A-2021241583  
 (21) 2021241583 (22) 23.03.2021  
 (54) Macular indenter and methods of use and manufacture thereof  
 (51) Int. Cl.

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**A61B 3/00** ( 2006.01 )  
**A61B 3/10** ( 2006.01 )  
**A61F 2/14** ( 2006.01 )  
**A61F 9/00** ( 2006.01 )  
**(87)** WO2021/195102  
**(31)** 62/993,608 **(32)** 23.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** CHAN, Ian  
**(74)** Spruson & Ferguson

**(71)** Orbio Corporation  
**(11)** AU-A-2021245687  
**(21)** 2021245687 **(22)** 31.03.2021  
**(54)** Metal-carbohydrate complex  
**(51)** Int. Cl.  
**C07H 23/00** ( 2006.01 )  
**A61K 31/7135** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
**A61P 35/00** ( 2006.01 )  
**C07F 1/12** ( 2006.01 )  
**C07F 9/50** ( 2006.01 )  
**C07F 19/00** ( 2006.01 )  
**(87)** WO2021/201109  
**(31)** 2020-066177 **(32)** 01.04.20 **(33)** JP  
**(43)** 07.10.2021  
**(72)** YAMAGUCHI, Eiichi; IJIMA, Hideki  
**(74)** James & Wells Intellectual Property

**(71)** Oriental Yeast Co., Ltd.  
**(11)** AU-A-2021247767  
**(21)** 2021247767 **(22)** 25.03.2021  
**(54)** Stabilizer for stem cell chromosomes  
**(51)** Int. Cl.  
**C12N 5/0775** ( 2010.01 )  
**C12N 5/0735** ( 2010.01 )  
**C12N 5/0789** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C12Q 1/02** ( 2006.01 )  
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**(31)** 2020-060490 **(32)** 30.03.20 **(33)** JP  
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**(74)** FB Rice Pty Ltd

**(71)** Owens Corning Intellectual Capital, LLC  
**(11)** AU-A-2021242253  
**(21)** 2021242253 **(22)** 22.03.2021  
**(54)** Insulation including phase change materials  
**(51)** Int. Cl.  
**E04B 1/74** ( 2006.01 )  
**B23B 5/02** ( 2006.01 )  
**C09K 5/02** ( 2006.01 )  
**E04B 1/76** ( 2006.01 )  
**F16L 59/00** ( 2006.01 )  
**(87)** WO2021/194925  
**(31)** 62/993,351 **(32)** 23.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** LOHSE, Alexander; DECAROLIS, David; NEWSOME, Toni  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Oxford Ionics Limited  
**(11)** AU-A-2021253210

**(21)** 2021253210 **(22)** 31.03.2021  
**(54)** A method for manipulating charged particles  
**(51)** Int. Cl.  
**G06N 10/00** ( 2019.01 )  
**(87)** WO2021/205145  
**(31)** 2005099.3 **(32)** 07.04.20 **(33)** GB  
**(43)** 14.10.2021  
**(72)** HARTY, Tom; BALLANCE, Chris; WOLF, Jochen  
**(74)** FB Rice Pty Ltd

**(71)** PAM Theragnostics GmbH  
**(11)** AU-A-2021227101  
**(21)** 2021227101 **(22)** 26.02.2021  
**(54)** Use of peptidylglycine alpha-amidating monooxygenase (PAM) for therapeutic purpose  
**(51)** Int. Cl.  
**A61K 38/43** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**(87)** WO2021/170816  
**(31)** 20159647.5 **(32)** 26.02.20 **(33)** EP  
**(43)** 02.09.2021  
**(72)** BERGMANN, Andreas  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Pandora A/S  
**(11)** AU-A-2020440094  
**(21)** 2020440094 **(22)** 15.12.2020  
**(54)** A jewelry clasp  
**(51)** Int. Cl.  
**A44C 5/20** ( 2006.01 )  
**(87)** WO2021/197656  
**(31)** 20167974.3 **(32)** 03.04.20 **(33)** EP  
**(43)** 07.10.2021  
**(72)** SELBE, Jean-Pierre Phouthapan-ya; ABHAY, Koumanotham; WANG-PHAISAL, Punnakaphun; JUDTO, Kid-sakorn  
**(74)** WRAYS PTY LTD

**(71)** Pandora A/S; Pandora Production Co., Ltd.  
**(11)** AU-A-2021266861  
**(21)** 2021266861 **(22)** 29.03.2021  
**(54)** A jewelry clasp  
**(51)** Int. Cl.  
**A44C 5/20** ( 2006.01 )  
**(87)** WO2021/223941  
**(31)** 20173213.8 **(32)** 06.05.20 **(33)** EP  
**(43)** 11.11.2021  
**(72)** DECKER, John Richard  
**(74)** WRAYS PTY LTD

**(71)** Pathy Medical, Inc.  
**(11)** AU-A-2021273738  
**(21)** 2021273738 **(22)** 18.05.2021  
**(54)** Devices and methods for applying therapeutic light to reduce hazard to health care providers of contracting infectious disease  
**(51)** Int. Cl.

**A61N 5/06** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/04** ( 2006.01 )  
**A61M 16/06** ( 2006.01 )  
**(87)** WO2021/236635  
**(31)** 17/323,155 **(32)** 18.05.21 **(33)** US  
**(43)** 25.11.2021  
**(72)** SILVER, Mikiya; KLEYMAN, Gennady; PATHY, Vinod V.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Personal Genome Diagnostics Inc.  
**(11)** AU-A-2021251780  
**(21)** 2021251780 **(22)** 06.04.2021  
**(54)** Floating barcodes  
**(51)** Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
**C12Q 1/6827** ( 2018.01 )  
**C12Q 1/6869** ( 2018.01 )  
**C12Q 1/6874** ( 2018.01 )  
**C40B 20/04** ( 2006.01 )  
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**(31)** 63/006,556 **(32)** 07.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** THOMPSON, John F.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Petra Pharma Corporation  
**(11)** AU-A-2021248415  
**(21)** 2021248415 **(22)** 02.04.2021  
**(54)** Allosteric chromenone inhibitors of phosphoinositide 3-kinase (PI3K) for the treatment of diseases associated with PI3K modulation  
**(51)** Int. Cl.  
**C07D 405/04** ( 2006.01 )  
**A61K 31/403** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 19/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2021/202964  
**(31)** 63/005,096 **(32)** 03.04.20 **(33)** US  
**(43)** 07.10.2021  
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**(71)** Picomole Inc.  
**(11)** AU-A-2021226138  
**(21)** 2021226138 **(22)** 28.01.2021

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(54) Apparatus and method for controlling a flow of breath to a sorbent tube	16/805,187	28.02.20	US	(43) 30.09.2021
(51) Int. Cl.	16/805,142	28.02.20	US	(72) PITOUX, Jacques
<b>A61B 5/097</b> ( 2006.01 )	16/805,156	28.02.20	US	(74) Griffith Hack
<b>A61B 5/08</b> ( 2006.01 )	16/805,161	28.02.20	US	
<b>A61M 39/22</b> ( 2006.01 )				
(87) WO2021/168540				
(31) 16/805,142	(32) 28.02.20	(33) US		
16/805,156	28.02.20	US		
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16/805,176	28.02.20	US		
16/805,187	28.02.20	US		
(43) 02.09.2021				
(72) PURVES, Christopher Quentin				
(74) Davies Collison Cave Pty Ltd				
(71) Picomole Inc.				(71) Posch, D.N.
(11) AU-A-2021226139				(11) AU-A-2021268690
(21) 2021226139	(22) 28.01.2021			(21) 2021268690
(54) An apparatus and method for collecting a breath sample using a metering device along an exhaust conduit				(22) 04.05.2021
(51) Int. Cl.				(54) System and method for facilitating on-line reservations
<b>A61B 5/097</b> ( 2006.01 )				(51) Int. Cl.
<b>A61B 5/08</b> ( 2006.01 )				<b>G06Q 50/12</b> ( 2012.01 )
<b>A61B 5/083</b> ( 2006.01 )				<b>G06Q 10/10</b> ( 2012.01 )
<b>A61B 5/087</b> ( 2006.01 )				<b>G06Q 20/14</b> ( 2012.01 )
(87) WO2021/168543				(87) WO2021/222975
(31) 16/805,142	(32) 28.02.20	(33) US		(31) 2020901417
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16/805,176	28.02.20	US		(43) 11.11.2021
16/805,187	28.02.20	US		(72) POSCH, Daniel Noel
(43) 02.09.2021				(74) Murray Trento & Associates Pty Ltd
(72) PURVES, Christopher Quentin				
(74) Davies Collison Cave Pty Ltd				
(71) Picomole Inc.				(71) Poviva Corp.
(11) AU-A-2021227720				(11) AU-A-2021261261
(21) 2021227720	(22) 28.01.2021			(21) 2021261261
(54) Apparatus and method for collecting a breath sample using a metering device				(22) 19.04.2021
(51) Int. Cl.				(54) Compositions and methods for enhanced delivery of antiviral agents
<b>A61B 5/097</b> ( 2006.01 )				(51) Int. Cl.
<b>A61B 5/083</b> ( 2006.01 )				<b>A61K 33/00</b> ( 2006.01 )
<b>A61B 5/087</b> ( 2006.01 )				(87) WO2021/216475
<b>A61M 39/22</b> ( 2006.01 )				(31) 63/012,652
(87) WO2021/168543				(32) 20.04.20
(31) 16/805,142	(32) 28.02.20	(33) US		(33) US
16/805,156	28.02.20	US		(43) 28.10.2021
16/805,161	28.02.20	US		(72) DOCHERTY, John; BUNKA, Christopher Andrew
16/805,176	28.02.20	US		(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
16/805,187	28.02.20	US		
(43) 02.09.2021				
(72) PURVES, Christopher Quentin				
(74) Davies Collison Cave Pty Ltd				
(71) Picomole Inc.				(71) Praxis Precision Medicines, Inc.
(11) AU-A-2021227720				(11) AU-A-2021241530
(21) 2021227720	(22) 28.01.2021			(21) 2021241530
(54) Apparatus and method for collecting a breath sample using a metering device				(22) 23.03.2021
(51) Int. Cl.				(54) KCNT1 inhibitors and methods of use
<b>A61B 5/097</b> ( 2006.01 )				(51) Int. Cl.
<b>A61B 5/083</b> ( 2006.01 )				<b>A61K 31/015</b> ( 2006.01 )
<b>A61B 5/087</b> ( 2006.01 )				<b>A61K 31/16</b> ( 2006.01 )
<b>A61M 39/22</b> ( 2006.01 )				<b>A61K 31/4192</b> ( 2006.01 )
(87) WO2021/168541				(87) WO2021/195066
(31) 16/805,142	(32) 28.02.20	(33) US		(31) 62/993,359
16/805,156	28.02.20	US		(32) 23.03.20
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16/805,176	28.02.20	US		(43) 30.09.2021
16/805,187	28.02.20	US		(72) MARTINEZ BOTELLA, Gabriel; GRIFFIN, Andrew Mark
(43) 02.09.2021				(74) Spruson & Ferguson
(72) PURVES, Christopher Quentin				
(74) Davies Collison Cave Pty Ltd				
(71) Pitoux, J.; Bertagne, A.; Bertagne, A.; Duret, P.; Queiras, P.; Livergne, B.; Djaneh, Y.; Ravier, M.; Tournoux, R.; Lupo, J.; Duret, R.; Duret, M.; Ravier, L.; Gadroy, B.; Leray, F.; Kwasek, J.				(71) Precision Planting LLC
(11) AU-A-2021240343				(11) AU-A-2021253223
(21) 2021240343	(22) 25.03.2021			(21) 2021253223
(54) Fire-fighting device				(22) 23.03.2021
(51) Int. Cl.				(54) Row cleaner
<b>A62C 3/02</b> ( 2006.01 )				(51) Int. Cl.
<b>A62C 19/00</b> ( 2006.01 )				<b>A01C 7/00</b> ( 2006.01 )
<b>F42B 12/46</b> ( 2006.01 )				<b>A01C 7/20</b> ( 2006.01 )
<b>F42B 12/50</b> ( 2006.01 )				(87) WO2021/205265
<b>F42C 1/04</b> ( 2006.01 )				(31) 63/005,559
<b>F42C 11/00</b> ( 2006.01 )				(32) 06.04.20
<b>F42C 14/02</b> ( 2006.01 )				(33) US
<b>F42C 14/06</b> ( 2006.01 )				63/010,833
(87) WO2021/191375				16.04.20
(31) FR2003009	(32) 27.03.20	(33) FR		30.04.20
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				08.12.20
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				(43) 14.10.2021
				(72) STOLLER, Jason
				(74) Griffith Hack

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 (11) AU-A-2021303697  
 (21) 2021303697 (22) 16.06.2021  
 (54) Sprayer system  
 (51) Int. Cl.  
     **A01M 7/00** ( 2006.01 )  
     **B05B 12/00** ( 2018.01 )  
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 (31) 63/050,314 (32) 10.07.20 (33) US  
     63/050,315 10.07.20 US  
 (43) 13.01.2022  
 (72) STOLLER, Jason; WILDERMUTH,  
 Paul; WINKLER, Nicholas  
 (74) Griffith Hack
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- (71) Promaxo, Inc.  
 (11) AU-A-2021224846  
 (21) 2021224846 (22) 19.02.2021  
 (54) Radio frequency reception coil net-  
 works for single-sided magnetic reson-  
 ance imaging  
 (51) Int. Cl.  
     **G01R 33/34** ( 2006.01 )  
     **G01R 33/36** ( 2006.01 )  
     **G01R 33/38** ( 2006.01 )  
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 (31) 62/979,332 (32) 20.02.20 (33) US  
 (43) 26.08.2021  
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 PANDIAN, Sabareish; KUMAR, Dinesh;  
 NOLTE, John  
 (74) Adams Pluck
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- (71) Prosidyan, Inc.  
 (11) AU-A-2021226421  
 (21) 2021226421 (22) 23.02.2021  
 (54) Bioactive implantable devices, and  
 composite biomaterials and methods  
 for making the same  
 (51) Int. Cl.  
     **A61L 27/56** ( 2006.01 )  
     **A61F 2/28** ( 2006.01 )  
     **A61L 27/00** ( 2006.01 )  
     **A61L 27/58** ( 2006.01 )  
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 (31) 62/980,805 (32) 24.02.20 (33) US  
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 Robert T.; BAE, Hyun W.  
 (74) Spruson & Ferguson
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- (71) Protomer Technologies Inc.  
 (11) AU-A-2021247169  
 (21) 2021247169 (22) 31.03.2021  
 (54) Conjugates for selective responsive-  
 ness to vicinal diols  
 (51) Int. Cl.  
     **A61K 47/54** ( 2017.01 )  
     **A61K 38/28** ( 2006.01 )  
     **A61P 3/10** ( 2006.01 )  
     **C07F 5/02** ( 2006.01 )  
     **C07K 14/62** ( 2006.01 )  
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 (31) 63/002,662 (32) 31.03.20 (33) US
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 Jing Xin; SHAKER, Mirna Ekram An-  
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- (71) Provectus Pharmatech, Inc.; UTI Lim-  
 ited Partnership  
 (11) AU-A-2021242347  
 (21) 2021242347 (22) 26.03.2021  
 (54) Treatment of solid cancerous tumors  
 by oral administration of a halogenated  
 xanthene  
 (51) Int. Cl.  
     **A61K 39/395** ( 2006.01 )  
     **A61K 31/352** ( 2006.01 )  
     **A61K 39/00** ( 2006.01 )  
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 (31) 63/000,231 (32) 26.03.20 (33) US  
 (43) 30.09.2021  
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 Dominic; PERSHING, Edward V.;  
 HOROWITZ, Bruce; SCOTT, Timothy  
 C.; DEES, H. Craig; NARENDRAN, Aru  
 (74) FPA Patent Attorneys Pty Ltd
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 ited Partnership  
 (11) AU-A-2021433087  
 (21) 2021433087 (22) 29.09.2021  
 (54) Halogenated xanthenes as vaccine ad-  
 juvants  
 (51) Int. Cl.  
     **A61K 31/4178** ( 2006.01 )  
     **A61K 31/5383** ( 2006.01 )  
     **A61K 45/06** ( 2006.01 )  
 (31) 17/212,723 (32) 25.03.21 (33) US  
 (43) 20.10.2022  
 (72) NARENDRAN, Aru; RODRIGUES,  
 Dominic; PERSHING, Edward V.;  
 HOROWITZ, Bruce  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Psomagen, Inc.; Macrogen Inc.  
 (11) AU-A-2021253407  
 (21) 2021253407 (22) 08.04.2021  
 (54) Composition and method for an antibi-  
 otic-inducing imbalance in microbiota  
 (51) Int. Cl.  
     **A61K 35/74** ( 2015.01 )  
     **A61K 35/741** ( 2015.01 )  
     **A61K 35/745** ( 2015.01 )  
     **A61K 35/747** ( 2015.01 )  
     **A61P 43/00** ( 2006.01 )  
     **C12Q 1/689** ( 2018.01 )  
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 (31) 63/006,757 (32) 08.04.20 (33) US  
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 DANIEL, Almonacid; SEO, Jeongsun;  
 KIM, Inseon; KIM, Dongjun; KWON,  
 Nak Jung; HONG, Su  
 (74) Michael Buck IP
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- (71) Purdue Research Foundation  
 (11) AU-A-2021225738
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- (21) 2021225738 (22) 28.01.2021  
 (54) Multi-dimensional ligand-assisted chro-  
 matography method for the purification  
 of rare earth elements and other metal  
 ions from waste magnets  
 (51) Int. Cl.  
     **B01D 15/08** ( 2006.01 )  
     **B01J 20/02** ( 2006.01 )  
     **B01J 38/48** ( 2006.01 )  
     **B01J 47/026** ( 2017.01 )  
     **C22B 3/20** ( 2006.01 )  
     **C22B 59/00** ( 2006.01 )  
 (87) WO2021/173291  
 (31) 62/982,807 (32) 28.02.20 (33) US  
 (43) 02.09.2021  
 (72) WANG, Nien-hwa Linda; HARVEY,  
 David; DING, Yi  
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a texturing agent providing pasty food  
compositions with a pulpy character  
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*A61P 25/28* (2006.01 )  
*A23L 5/00* (2016.01 )  
*A61K 9/00* (2006.01 )  
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*A61K 31/4415* (2006.01 )  
*A61K 31/519* (2006.01 )  
*A61K 31/714* (2006.01 )  
*A61K 45/06* (2006.01 )  
*A61P 3/02* (2006.01 )  
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**C07K 16/22** ( 2006.01 )
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**H04N 21/2662** ( 2011.01 )  
**H04N 21/433** ( 2011.01 )  
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**G06F 3/01** ( 2006.01 )  
**A61B 5/293** ( 2021.01 )  
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**C12N 5/0789** ( 2010.01 )  
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**(51)** Int. Cl.  
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**A61P 25/28** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
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**B32B 7/05** ( 2019.01 )  
**B32B 7/12** ( 2006.01 )  
**B32B 7/14** ( 2006.01 )  
**B32B 27/08** ( 2006.01 )  
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**H01M 4/134** ( 2010.01 )  
**H01B 1/24** ( 2006.01 )  
**H01M 4/36** ( 2006.01 )  
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**(51)** Int. Cl.  
**H04N 19/70** ( 2014.01 )  
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**A01N 25/04** ( 2006.01 )  
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**A61K 31/65** ( 2006.01 )  
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 (51) Int. Cl.  
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**A61M 1/34** ( 2006.01 )
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**C12N 7/00** ( 2006.01 )  
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 (54) Methods for tissue regeneration and kits therefor  
 (51) Int. Cl.  
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**A61K 31/00** ( 2006.01 )  
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 (51) Int. Cl.
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**A61K 8/02** ( 2006.01 )  
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**A61K 8/92** ( 2006.01 )  
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**A61K 9/12** ( 2006.01 )  
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**A61K 31/712** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
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(51) Int. Cl.  
C07K 9/00 ( 2006.01 )  
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(51) Int. Cl.  
A01N 43/38 ( 2006.01 )  
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C08K 5/3417 ( 2006.01 )  
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C12N 5/0783 ( 2010.01 )  
A61K 35/17 ( 2015.01 )  
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C12N 5/078 ( 2010.01 )  
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C12N 15/10 ( 2006.01 )  
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C07C 205/56 ( 2006.01 )  
C07C 211/48 ( 2006.01 )  
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C12M 1/00 ( 2006.01 )  
A01N 1/02 ( 2006.01 )  
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(51) Int. Cl.  
C09D 5/33 ( 2006.01 )  
B01D 5/00 ( 2006.01 )  
B05D 1/02 ( 2006.01 )  
B05D 5/08 ( 2006.01 )  
C09D 5/02 ( 2006.01 )  
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E03B 3/28 ( 2006.01 )  
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A61G 10/00 ( 2006.01 )  
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A61G 10/00 ( 2006.01 )  
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B05D 5/08 ( 2006.01 )  
C09D 5/02 ( 2006.01 )  
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E04C 2/292 ( 2006.01 )  
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**A61F 13/539** ( 2006.01 )  
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**H02J 3/32** ( 2006.01 )  
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(51) Int. Cl.  
**B32B 27/00** ( 2006.01 )  
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**B29C 59/02** ( 2006.01 )  
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**A61K 9/127** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
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**A61P 25/28** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12Q 1/00** ( 2006.01 )
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**C07D 498/16** ( 2006.01 )  
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**C07K 14/47** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )
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**B27N 3/00** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
**D21B 1/02** ( 2006.01 )  
**D21B 1/36** ( 2006.01 )  
**D21C 5/00** ( 2006.01 )  
**D21J 2/00** ( 2006.01 )  
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(51) Int. Cl.  
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**A61P 11/00** ( 2006.01 )
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(51) Int. Cl.  
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(54) Multilamellar RNA nanoparticle vaccine against SARS-CoV-2  
(51) Int. Cl.  
A61K 39/12 ( 2006.01 )  
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(54) Surface performance testing apparatus, systems and methods  
(51) Int. Cl.  
G01N 19/02 ( 2006.01 )  
A43D 1/00 ( 2006.01 )
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(51) Int. Cl.  
A61P 35/00 ( 2006.01 )  
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C07K 14/32 ( 2006.01 )  
C07K 14/435 ( 2006.01 )  
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A01G 25/00 ( 2006.01 )  
A01G 25/09 ( 2006.01 )  
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(51) Int. Cl.  
C07D 209/10 ( 2006.01 )  
A61K 31/404 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
A61P 43/00 ( 2006.01 )  
C07D 209/12 ( 2006.01 )  
C07D 209/14 ( 2006.01 )  
C07D 209/22 ( 2006.01 )  
C07D 209/24 ( 2006.01 )  
C07D 209/42 ( 2006.01 )  
C07D 401/04 ( 2006.01 )  
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(51) Int. Cl.  
A61K 31/517 ( 2006.01 )  
A61K 9/08 ( 2006.01 )  
A61K 31/519 ( 2006.01 )  
A61K 47/10 ( 2017.01 )  
A61P 31/18 ( 2006.01 )  
C07D 247/02 ( 2006.01 )
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(31) 63/010,196 (32) 15.04.20 (33) US  
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(51) Int. Cl.  
C07K 16/10 ( 2006.01 )  
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A61P 31/14 ( 2006.01 )
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 (54) Radio-frequency circuit and electronic device  
 (51) Int. Cl.  
*H04B 1/00* ( 2006.01 )  
*H01Q 21/28* ( 2006.01 )  
*H04B 1/40* ( 2015.01 )  
*H04B 7/06* ( 2006.01 )  
 (87) WO2021/218839  
 (31) 202010362992.8 (32) 30.04.20 (33) CN  
 (43) 04.11.2021  
 (72) WEI, Renjie  
 (74) Adams Pluck

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(71) Vivo Mobile Communication Co., Ltd.  
 (11) AU-A-2021264963  
 (21) 2021264963 (22) 29.04.2021  
 (54) State indication method, device, and system  
 (51) Int. Cl.  
*H04W 88/04* ( 2009.01 )  
*H04W 4/90* ( 2018.01 )  
*H04W 76/27* ( 2018.01 )  
 (87) WO2021/219103  
 (31) 202010368380.X (32) 30.04.20 (33) CN  
 (43) 04.11.2021  
 (72) WANG, Wen; XIE, Zhenhua; KE, Xiaowan; ZHANG, Yanxia  
 (74) Adams Pluck

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(71) Vivo Mobile Communication Co., Ltd.  
 (11) AU-A-2021265968  
 (21) 2021265968 (22) 23.04.2021  
 (54) Connection management method for remote user equipment, and user equipment and network-side device  
 (51) Int. Cl.  
*H04W 4/00* ( 2018.01 )  
 (87) WO2021/218787  
 (31) 202010352343.X (32) 28.04.20 (33) CN  
 (43) 04.11.2021  
 (72) LIU, Jiamin  
 (74) Adams Pluck

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(71) Voith Patent GmbH  
 (11) AU-A-2021240859  
 (21) 2021240859 (22) 10.03.2021  
 (54) Redox flow battery system and operating method  
 (51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
*H01M 8/18* ( 2006.01 )  
*H01M 10/42* ( 2006.01 )  
*H01M 10/44* ( 2006.01 )  
 (87) WO2021/190928  
 (31) 10 2020 108 068.9 (32) 24.03.20 (33) DE  
 (43) 30.09.2021  
 (72) LÜTH, Thomas  
 (74) Spruson & Ferguson

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(71) Wang, X.  
 (11) AU-A-2021380857  
 (21) 2021380857 (22) 07.07.2021

(54) Vibration motor, rhythm device, rhythm mattress, rhythm sofa and rhythm deck chair  
 (51) Int. Cl.  
*A61H 23/02* ( 2006.01 )  
 (31) 202120686972.6 (32) 02.04.21 (33) CN  
 202121254881.1 04.06.21 CN  
 (43) 20.10.2022  
 (72) WANG, Xiaobing; WANG, Jicheng; WANG, Fuchang  
 (74) Madderns Pty Ltd

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(71) Water-Dome Ltd  
 (11) AU-A-2021223188  
 (21) 2021223188 (22) 22.02.2021  
 (54) Community outdoor fire defense  
 (51) Int. Cl.  
*A62C 35/64* ( 2006.01 )  
*A62C 37/36* ( 2006.01 )  
*A62C 37/38* ( 2006.01 )  
*A62C 37/40* ( 2006.01 )  
 (87) WO2021/165972  
 (31) 62/980,164 (32) 22.02.20 (33) US  
 (43) 26.08.2021  
 (72) SHAVIT, David  
 (74) Walker IP

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(71) Weatherford Technology Holdings, LLC  
 (11) AU-A-2021244291  
 (21) 2021244291 (22) 04.03.2021  
 (54) Spiders capable of handling well components of multiple sizes  
 (51) Int. Cl.  
*E21B 19/10* ( 2006.01 )  
*E21B 19/24* ( 2006.01 )  
 (87) WO2021/194720  
 (31) 62/994,000 (32) 24.03.20 (33) US  
 (43) 30.09.2021  
 (72) AMEZAGA, Federico  
 (74) WRAYS PTY LTD

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(71) Weber-Stephen Products LLC  
 (11) AU-A-2020458445  
 (21) 2020458445 (22) 20.08.2020  
 (54) Dutch ovens having lids with integral griddles  
 (51) Int. Cl.  
*A47J 27/00* ( 2006.01 )  
*A47J 37/06* ( 2006.01 )  
*A47J 37/07* ( 2006.01 )  
 (87) WO2022/015345  
 (31) 16/932,231 (32) 17.07.20 (33) US  
 (43) 20.01.2022  
 (72) STOHL, Michelle; MCVEY, Cassandra A. S.; SIAZON, Romualdo Sonny; JESSOGNE, Brett  
 (74) WRAYS PTY LTD

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(71) Weber-Stephen Products LLC  
 (11) AU-A-2020458871  
 (21) 2020458871 (22) 20.08.2020  
 (54) Portable cooking stations having interlocking sear grates and griddles  
 (51) Int. Cl.  
*A47J 37/07* ( 2006.01 )  
*A47J 37/06* ( 2006.01 )  
 (87) WO2022/015344

(31) 16/932,261 (32) 17.07.20 (33) US  
 (43) 20.01.2022  
 (72) MCVEY, Cassandra A. S.; SIAZON, Romualdo Sonny; JESSOGNE, Brett  
 (74) WRAYS PTY LTD

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(71) Welltec A/S  
 (11) AU-A-2021236274  
 (21) 2021236274 (22) 10.03.2021  
 (54) Downhole line separation tool  
 (51) Int. Cl.  
*E21B 29/04* ( 2006.01 )  
 (87) WO2021/180748  
 (31) 20162497.0 (32) 11.03.20 (33) EP  
 (43) 16.09.2021  
 (72) HALLUNDBÆK, Jørgen  
 (74) GLMR

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(71) WestRock Packaging Systems, LLC  
 (11) AU-A-2021236661  
 (21) 2021236661 (22) 18.03.2021  
 (54) Package, article carrier and blank therefor  
 (51) Int. Cl.  
*B65D 71/40* ( 2006.01 )  
*B65D 71/42* ( 2006.01 )  
 (87) WO2021/188751  
 (31) 62/991,506 (32) 18.03.20 (33) US  
 (43) 23.09.2021  
 (72) ZACHERLE, Matthew E.  
 (74) Spruson & Ferguson

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(71) Wuhan Humanwell Innovative Drug Research and Development Center Limited Company  
 (11) AU-A-2021229414  
 (21) 2021229414 (22) 04.03.2021  
 (54) Synthesis of novel EP4 antagonist and use in cancers and inflammations  
 (51) Int. Cl.  
*C07D 231/20* ( 2006.01 )  
*A61K 31/415* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2021/175283  
 (31) 202010144983.1 (32) 04.03.20 (33) CN  
 (43) 10.09.2021  
 (72) ZHANG, Xuejun; ZANG, Yang; LI, Lie; SHEN, Jie; LIU, Zhe; CHANG, Shaohua; WANG, Yonggang  
 (74) MINTER ELLISON

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(71) Xenter, Inc.  
 (11) AU-A-2021238373  
 (21) 2021238373 (22) 19.03.2021  
 (54) Operatively coupled data and power transfer device for medical guidewires and catheters with sensors  
 (51) Int. Cl.  
*A61B 5/00* ( 2006.01 )  
 (87) WO2021/188913  
 (31) 62/992,695 (32) 20.03.20 (33) US  
 63/044,960 26.06.20 US  
 17/205,754 18.03.21 US  
 (43) 23.09.2021  
 (72) LINDER, Richard J.; MAYNARD, Edwin Meade; MARLAND, Scott Kenneth;

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

ESTES, Cory Rex; QUIST, Steven Matthew; KNIGHTON, Nathan J.  
**(74)** Griffith Hack

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**(71)** Xenter, Inc.  
**(11)** AU-A-2021238376  
**(21)** 2021238376 **(22)** 19.03.2021  
**(54)** Catheter for imaging and measurement of pressure and other physiological parameters  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 5/02** ( 2006.01 )  
**A61B 5/0215** ( 2006.01 )  
**A61B 5/05** ( 2021.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**(87)** WO2021/188923  
**(31)** 62/992,695 **(32)** 20.03.20 **(33)** US  
 63/044,960 26.06.20 US  
 17/205,854 18.03.21 US  
**(43)** 23.09.2021  
**(72)** LINDER, Richard J.; ESTES, Cory Rex; MARLAND, Scott Kenneth; MAYNARD, Edwin Meade; QUIST, Steven Matthew; KNIGHTON, Nathan J.  
**(74)** Griffith Hack

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**(71)** Xenter, Inc.  
**(11)** AU-A-2021240036  
**(21)** 2021240036 **(22)** 19.03.2021  
**(54)** Signal conducting device for concurrent power and data transfer to and from un-wired sensors attached to a medical device  
**(51)** Int. Cl.  
**A61N 1/37** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 25/16** ( 2006.01 )  
**A61M 25/18** ( 2006.01 )  
**G06F 9/445** ( 2018.01 )  
**(87)** WO2021/188891  
**(31)** 62/992,695 **(32)** 20.03.20 **(33)** US  
 63/044,960 26.06.20 US  
 17/205,614 18.03.21 US  
**(43)** 23.09.2021  
**(72)** LINDER, Richard J.; MAYNARD, Edwin Meade; MARLAND, Scott Kenneth; ESTES, Cory Rex  
**(74)** Griffith Hack

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**(71)** Xenter, Inc.  
**(11)** AU-A-2021240091  
**(21)** 2021240091 **(22)** 19.03.2021  
**(54)** Guidewire for imaging and measurement of pressure and other physiological parameters  
**(51)** Int. Cl.  
**A61B 5/0215** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**A61M 25/09** ( 2006.01 )  
**(87)** WO2021/188884  
**(31)** 62/992,695 **(32)** 20.03.20 **(33)** US  
 63/044,960 26.06.20 US  
 17/205,964 18.03.21 US  
**(43)** 23.09.2021  
**(72)** LINDER, Richard J.; MAYNARD, Edwin Meade; MARLAND, Scott Kenneth;

ESTES, Cory Rex; QUIST, Steven Matthew; KNIGHTON, Nathan J.  
**(74)** Griffith Hack

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**(71)** X-Therma, Inc.  
**(11)** AU-A-2021246062  
**(21)** 2021246062 **(22)** 31.03.2021  
**(54)** Apparatus for biological material storage and transport  
**(51)** Int. Cl.  
**A01N 1/02** ( 2006.01 )  
**B65D 81/38** ( 2006.01 )  
**B65D 85/50** ( 2006.01 )  
**F25D 3/00** ( 2006.01 )  
**F25D 3/06** ( 2006.01 )  
**(87)** WO2021/202716  
**(31)** 63/003,073 **(32)** 31.03.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** WEI, Xiaoxi  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Yoshino Gypsum Co., Ltd.  
**(11)** AU-A-2021251557  
**(21)** 2021251557 **(22)** 01.04.2021  
**(54)** Gypsum-based bearing surface material for wooden building, bearing wall structure, and bearing wall construction method  
**(51)** Int. Cl.  
**E04B 2/56** ( 2006.01 )  
**E04C 2/04** ( 2006.01 )  
**E04C 2/26** ( 2006.01 )  
**(87)** WO2021/205993  
**(31)** 2020-068198 **(32)** 06.04.20 **(33)** JP  
**(43)** 14.10.2021  
**(72)** SUDO, Ushio; NAKAMURA, Wataru; HASEGAWA, Tomoya; NAGANO, Mune-yoshi; WADA, Masahiro; TADA, Katsumi; SATO, Yousuke; NAITO, Daisuke  
**(74)** Spruson & Ferguson

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**(71)** Zoetis Services LLC  
**(11)** AU-A-2021256056  
**(21)** 2021256056 **(22)** 16.04.2021  
**(54)** Canine antibody variants  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
**(87)** WO2021/212081  
**(31)** 63/011,453 **(32)** 17.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** BERGERON, Lisa Marie; CAMPOS, Henry Luis  
**(74)** Davies Collison Cave Pty Ltd



Numerical Index

<b>2020225082</b>	Learning Chain Pty Ltd	<b>2021226056</b>	Gebrüder Linck Maschinenfabrik "Gatterlinck" GmbH & Co. KG
<b>2020431045</b>	Hoya Corporation	<b>2021226133</b>	Ascend Biopharmaceuticals Ltd
<b>2020431316</b>	HuiGene Therapeutics Co., Ltd.	<b>2021226138</b>	Picomole Inc.
<b>2020431757</b>	Exyn Technologies	<b>2021226139</b>	Picomole Inc.
<b>2020432497</b>	Secure Wallet Technology Pty Ltd	<b>2021226148</b>	Rouindej, K.
<b>2020432698</b>	University of Tennessee Research Foundation	<b>2021226205</b>	Novartis AG
<b>2020432839</b>	LG Electronics Inc.	<b>2021226421</b>	Prosidyan, Inc.
<b>2020433062</b>	Tokyo Electric Power Company Holdings, Incorporated; Meidensha Corporation	<b>2021226578</b>	Translate Bio, Inc.
<b>2020433244</b>	LG Electronics Inc.	<b>2021226719</b>	DryMAX DDG LLC
<b>2020433325</b>	Sapphire Balconies Limited	<b>2021226896</b>	SkyX Platforms Corp.
<b>2020433763</b>	LG Electronics Inc.	<b>2021226903</b>	Myst Therapeutics, LLC
<b>2020433809</b>	Kimberly-Clark Worldwide, Inc.	<b>2021226923</b>	Grounded Foods Co.
<b>2020434216</b>	QuinTron Instrument Company, Inc.	<b>2021226987</b>	SphingoTec GmbH
<b>2020435503</b>	Suzhou Zanrong Pharma Ltd.	<b>2021227007</b>	Sanofi
<b>2020435555</b>	Cas Lamvac (Guangzhou) Biomedical Technology Co., Ltd.	<b>2021227101</b>	PAM Theragnostics GmbH
<b>2020436183</b>	Guala Closures S.p.A.	<b>2021227119</b>	Baeten & Co.
<b>2020436453</b>	Innova BM Ltd.	<b>2021227180</b>	Suntory Holdings Limited
<b>2020437182</b>	Samsarapps, S.L.	<b>2021227276</b>	AIC246 AG & Co. KG
<b>2020437760</b>	Moleđa, J.	<b>2021227277</b>	Adrenomed AG
<b>2020437843</b>	Nippon Telegraph and Telephone Corporation	<b>2021227279</b>	Adrenomed AG
<b>2020437974</b>	Honda Motor Co., Ltd.	<b>2021227413</b>	McSAF Inside Oncology
<b>2020437977</b>	Nippon Telegraph and Telephone Corporation	<b>2021227457</b>	BenevolentAI Cambridge Limited
<b>2020438895</b>	Suzhou Ersheng Biopharmaceutical Co., Ltd	<b>2021227527</b>	Purdue Research Foundation
<b>2020439411</b>	General Mills, Inc.	<b>2021227609</b>	Depuy Synthes Products, Inc.
<b>2020439471</b>	SentryCard Technologies, Inc.	<b>2021227687</b>	Vir Biotechnology, Inc.
<b>2020439818</b>	Saga University; Kyocera Corporation	<b>2021227711</b>	DocBlaster Pty Ltd
<b>2020439965</b>	ViaSat, Inc.	<b>2021227720</b>	Picomole Inc.
<b>2020439966</b>	Aqseptence Group, Inc.	<b>2021227721</b>	Picomole Inc.
<b>2020440094</b>	Pandora A/S	<b>2021227730</b>	NSGI Steel Inc.
<b>2020440127</b>	Google LLC	<b>2021227736</b>	Evasc Neurovascular Limited Partnership
<b>2020440312</b>	Reckitt Benckiser Health Limited	<b>2021227740</b>	Soul Machines
<b>2020440915</b>	Great Plains Manufacturing, Inc.	<b>2021227918</b>	Ligandal, Inc.
<b>2020441156</b>	Accord Pacific Europe SA	<b>2021228183</b>	Grizit B.V.
<b>2020441516</b>	Techtronic Cordless GP	<b>2021228207</b>	4TEEN4 Pharmaceuticals GmbH
<b>2020441742</b>	Collibra NV	<b>2021228240</b>	AIC246 AG & Co. KG
<b>2020442024</b>	Soin Neuroscience, LLC	<b>2021228281</b>	Hanwha Azdel, Inc
<b>2020444035</b>	Sandvik Ltd; Sandvik Asia Pvt. Ltd.	<b>2021228368</b>	Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children); LogicBio Therapeutics, Inc.
<b>2020445257</b>	DexCom, Inc.	<b>2021228377</b>	Picomole Inc.
<b>2020449613</b>	Magdy Zareef Zaki, R.	<b>2021228378</b>	Picomole Inc.
<b>2020455741</b>	Halliburton Energy Services, Inc.	<b>2021228408</b>	ENEOS Corporation
<b>2020456100</b>	Halliburton Energy Services, Inc.	<b>2021228453</b>	Kitz Corporation
<b>2020458445</b>	Weber-Stephen Products LLC	<b>2021228603</b>	Landis+Gyr Innovations, Inc.
<b>2020458871</b>	Weber-Stephen Products LLC	<b>2021228670</b>	Martin, T.; Zhang, P.
<b>2021222332</b>	Janssen Pharmaceutica NV	<b>2021228740</b>	BioPhotas, Inc.
<b>2021223146</b>	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	<b>2021228751</b>	J.R. Simplot Company
<b>2021223188</b>	Water-Dome Ltd	<b>2021228754</b>	Ojjo, Inc.
<b>2021224768</b>	Hologic, Inc.; SuperSonic Imagine; St. Pierre, S.; Laviola, J.; Sportouche, H.; Fraschini, C.	<b>2021229110</b>	GI Biome; Mediogen Co.,Ltd.
<b>2021224844</b>	Nitto, Inc.; Nitto Denko Corporation; Bend Labs, Inc.	<b>2021229414</b>	Wuhan Humanwell Innovative Drug Research and Development Center Limited Company
<b>2021224846</b>	Promaxo, Inc.	<b>2021229457</b>	Turning Point Therapeutics, Inc.
<b>2021225013</b>	Clarapath, Inc.	<b>2021229674</b>	Unilin, BV
<b>2021225034</b>	Nomadix, Inc.	<b>2021229678</b>	Fisher & Paykel Healthcare Limited
<b>2021225484</b>	HK Inno.N Corporation	<b>2021229804</b>	Land Business Co.,Ltd.
<b>2021225491</b>	Novartis AG	<b>2021229906</b>	Russell Mineral Equipment Pty Ltd
<b>2021225738</b>	Purdue Research Foundation	<b>2021230355</b>	Novinium, Inc.
<b>2021225817</b>	Immatics US, Inc.	<b>2021230365</b>	Rubidex, LLC
<b>2021225838</b>	The Texas A&M University System	<b>2021230370</b>	Biohaven Therapeutics Ltd.
<b>2021225851</b>	Atea Pharmaceuticals, Inc.	<b>2021230417</b>	Sauriol, F.
<b>2021225870</b>	Janssen Biotech, Inc.	<b>2021230476</b>	Tenaya Therapeutics, Inc.
<b>2021225909</b>	Shenzhen Shenxin Biotechnology Co., Ltd.	<b>2021230503</b>	Sanders, P.
<b>2021225926</b>	Case Western Reserve University; University of Pittsburgh - of the Commonwealth System of Higher Education	<b>2021230575</b>	Celgene Quanticel Research, Inc.
<b>2021225952</b>	Takeda Pharmaceutical Company Limited	<b>2021230600</b>	Kimberly-Clark Worldwide, Inc.
<b>2021225962</b>	Genzyme Corporation	<b>2021231123</b>	Innovation Fabrication Commercialisation Infaco
		<b>2021231326</b>	Metadynea Austria GmbH

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

<b>2021231556</b>	Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement; Assistance Publique - Hôpitaux de Paris; Sorbonne Université; INSERM (Institut National de la Santé et de la Recherche Médicale)	<b>2021240351</b>	Universite Paul Sabatier Toulouse III; Centre Hospitalier Universitaire de Toulouse; Institut National de la Sante et de la Recherche Medicale; Assistance Publique-Hopitaux de Marseille; Universite d'Aix Marseille
<b>2021231656</b>	4C Medical Technologies, Inc.	<b>2021240417</b>	Asklepios BioPharmaceutical, Inc.
<b>2021231886</b>	Integrated Tactical Technologies, LLC	<b>2021240467</b>	Johnson & Johnson Consumer Inc.
<b>2021231887</b>	Purdue Research Foundation	<b>2021240478</b>	Johnson & Johnson Consumer Inc.
<b>2021231892</b>	Omeros Corporation	<b>2021240657</b>	Micronbrane Medical Co., Ltd.
<b>2021231934</b>	Metso Outotec Finland Oy	<b>2021240769</b>	Biosion Inc.
<b>2021231977</b>	FMC Corporation	<b>2021240818</b>	NewSouth Innovations Pty Limited
<b>2021231997</b>	Momenta Pharmaceuticals, Inc.	<b>2021240859</b>	Voith Patent GmbH
<b>2021232072</b>	Janpix, Ltd.	<b>2021240883</b>	Schons, G.
<b>2021232100</b>	Theravance Biopharma R&D IP, LLC	<b>2021241001</b>	Bausch Health Ireland Limited
<b>2021232252</b>	Nagaki Seiki Co., Ltd.	<b>2021241357</b>	Anagram International, Inc.
<b>2021232470</b>	Hellenic Research Centre for Metals S.A.	<b>2021241374</b>	Scafom Holding B.V.
<b>2021232603</b>	American Gene Technologies International Inc.	<b>2021241398</b>	Becton, Dickinson and Company
<b>2021233823</b>	Thinx Inc.	<b>2021241401</b>	Boston Scientific Scimed, Inc.
<b>2021233829</b>	Texas Tech University System	<b>2021241408</b>	Becton, Dickinson and Company
<b>2021233845</b>	FMC Corporation	<b>2021241409</b>	Becton, Dickinson and Company
<b>2021234496</b>	Beijing Innocare Pharma Tech Co., Ltd.	<b>2021241410</b>	Becton, Dickinson and Company
<b>2021234947</b>	The University of Sydney	<b>2021241419</b>	Baker Hughes Oilfield Operations LLC
<b>2021235371</b>	Terumo Kabushiki Kaisha	<b>2021241430</b>	Chevron U.S.A. Inc.
<b>2021235760</b>	The University of Adelaide; The Board of Regents of The University of Texas System	<b>2021241441</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2021236012</b>	Huawei Technologies Co., Ltd.	<b>2021241529</b>	Illumina, Inc.
<b>2021236049</b>	The United States of America, as Represented by the Secretary, Department of Health and Human Services	<b>2021241530</b>	Praxis Precision Medicines, Inc.
<b>2021236055</b>	Dynavax Technologies Corporation; Serum Institute of India Private Limited	<b>2021241583</b>	Opticgon LLC
<b>2021236210</b>	FMC Corporation	<b>2021241591</b>	Burnet, M.
<b>2021236274</b>	Welltec A/S	<b>2021241622</b>	Sage Therapeutics, Inc.
<b>2021236300</b>	Bierwith, R.	<b>2021241676</b>	Flexcon Company, Inc.
<b>2021236302</b>	Immune-Onc Therapeutics, Inc.	<b>2021241718</b>	Aeovian Pharmaceuticals, Inc.
<b>2021236661</b>	WestRock Packaging Systems, LLC	<b>2021241743</b>	Carey, B.; Piper, S.
<b>2021236675</b>	The Fountainhead Group, Inc.	<b>2021241830</b>	Groasis IP B.V.
<b>2021236725</b>	Huawei Technologies Co., Ltd.	<b>2021241883</b>	Envola GmbH
<b>2021236762</b>	Global Thermostat Operations, LLC	<b>2021242143</b>	Dong-A ST Co., Ltd.
<b>2021237254</b>	Enzo Biochem, Inc.; Rabbani, E.	<b>2021242144</b>	Scafom Holding B.V.
<b>2021237717</b>	The United States of America, as represented by The Secretary, Department of Health and Human Services	<b>2021242253</b>	Owens Corning Intellectual Capital, LLC
<b>2021237753</b>	NeuroBioMat	<b>2021242254</b>	JPMorgan Chase Bank, N.A.
<b>2021237815</b>	Auto Telematics Ltd	<b>2021242305</b>	CureImmune Therapeutics Inc.
<b>2021237843</b>	Janssen BioPharma, Inc.	<b>2021242308</b>	Stepan Company
<b>2021238334</b>	Kemira Oyj	<b>2021242326</b>	Epivax, Inc.
<b>2021238363</b>	Aspira Women's Health Inc.	<b>2021242347</b>	Provectus Pharmatech, Inc.; UTI Limited Partnership
<b>2021238365</b>	General Electric Company; Pagan, K.	<b>2021242355</b>	Larimar Therapeutics, Inc.
<b>2021238373</b>	Xenter, Inc.	<b>2021242828</b>	Nissan Chemical Corporation
<b>2021238376</b>	Xenter, Inc.	<b>2021243406</b>	Suntory Holdings Limited
<b>2021238501</b>	Newcrest Mining Limited	<b>2021243497</b>	BASF SE
<b>2021238606</b>	MPR GmbH & Co. Kg	<b>2021243727</b>	Streamroot
<b>2021238643</b>	Givaudan SA	<b>2021243748</b>	Techtronic Cordless GP
<b>2021238777</b>	baseclick GmbH	<b>2021243854</b>	Johnson & Johnson Consumer Inc.
<b>2021238789</b>	Baret	<b>2021243856</b>	Fugro N.V.
<b>2021238807</b>	Huawei Technologies Co., Ltd.	<b>2021243959</b>	Nippon Kayaku Kabushiki Kaisha
<b>2021238951</b>	Eisai R&D Management Co., Ltd.	<b>2021244074</b>	Novadelta - Comércio e Indústria de Cafés, Lda
<b>2021239088</b>	Respiration Scan Ltd	<b>2021244148</b>	Becton, Dickinson and Company
<b>2021239135</b>	Shanghai Haiyan Pharmaceutical Technology Co., Ltd.; Yangtze River Pharmaceutical Group Co., Ltd.	<b>2021244150</b>	Becton, Dickinson and Company
<b>2021239379</b>	The United States of America, as represented by The Secretary, Department of Health and Human Services	<b>2021244291</b>	Weatherford Technology Holdings, LLC
<b>2021239849</b>	Server Technology, Inc.	<b>2021244430</b>	Boe Technology Group Co., Ltd.
<b>2021239897</b>	Kinsa Inc.	<b>2021244606</b>	A28 Therapeutics Inc.
<b>2021239958</b>	Kemira Oyj	<b>2021244621</b>	Angiex, Inc.
<b>2021240036</b>	Xenter, Inc.	<b>2021244711</b>	DEKA Products Limited Partnership
<b>2021240045</b>	Jem Accessories Inc.	<b>2021244737</b>	Huawei Technologies Co., Ltd.
<b>2021240083</b>	Revanche Therapeutics, Inc.	<b>2021244744</b>	Shenzhen Chipscreen Biosciences Co., Ltd.; Chengdu Chipscreen Pharmaceutical Co., Ltd
<b>2021240091</b>	Xenter, Inc.	<b>2021244834</b>	UCL Business Ltd.
<b>2021240343</b>	Pitoux, J.; Bertagne, A.; Bertagne, A.; Duret, P.; Queiras, P.; Livergne, B.; Djaneh, Y.; Ravier, M.; Tournoux, R.; Lupo, J.; Duret, R.; Duret, M.; Ravier, L.; Gadroy, B.; Leray, F.; Kwasek, J.	<b>2021244941</b>	Istituto Nazionale di Fisica Nucleare; Universita' degli Studi di Perugia; Universita' degli Studi di Trento; Fondazione Telethon
		<b>2021244972</b>	Siemens Mobility GmbH
		<b>2021245033</b>	Fronius International GmbH
		<b>2021245269</b>	Sementis Limited
		<b>2021245397</b>	Nuevolution A/S
		<b>2021245418</b>	Toppan Inc.
		<b>2021245634</b>	Fujifilm Toyama Chemical Co., Ltd.

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2021245671	Cell Exosome Therapeutics Inc.	2021249298	Nippon Steel Engineering Co., Ltd.
2021245687	Orbio Corporation	2021249506	Roquette Freres
2021245769	Automation Tech, LLC	2021249531	Mediphage Bioceuticals, Inc.
2021245822	Colgate-Palmolive Company	2021249572	Magaldi Power S.p.A.
2021245825	Automation Tech, LLC	2021249647	Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc.
2021245972	BASF Coatings GmbH	2021250298	Inventio AG
2021245993	Automation Tech, LLC	2021250630	Janssen Vaccines & Prevention B.V.
2021246006	BlueAllele, LLC	2021251123	Corbin Clinical Resources, LLC
2021246062	X-Therma, Inc.	2021251187	The Procter & Gamble Company
2021246083	Sasol (USA) Corporation	2021251266	CareFusion 303, Inc.
2021246085	Neurogastrx, Inc.	2021251382	B.R.A.H.M.S GmbH
2021246098	BioCryst Pharmaceuticals, Inc.	2021251468	Luigi Lavazza S.p.A.
2021246099	Turtle Bear Holdings, LLC	2021251557	Yoshino Gypsum Co., Ltd.
2021246104	Vertex Pharmaceuticals Incorporated	2021251560	Sekisui House, Ltd.; Kaneka Corporation
2021246135	Croda International PLC; Croda, Inc.	2021251702	Boston Scientific Scimed, Inc.
2021246142	Stealth Biotherapeutics Inc.	2021251747	Atlas Tube Connections, LLC
2021246147	Rigel Pharmaceuticals, Inc.	2021251780	Personal Genome Diagnostics Inc.
2021246184	BASF Coatings GmbH	2021252471	Apex Brands, Inc.
2021246427	Automation Tech, LLC	2021252970	Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd; Haier US Appliance Solutions, Inc.
2021246429	Automation Tech, LLC	2021252978	Rheem Manufacturing Company
2021246436	Inari Agriculture Technology, Inc.	2021253003	Hill's Pet Nutrition, Inc.
2021246440	Automation Tech, LLC	2021253067	Linde GmbH
2021246444	Ogletree, M.	2021253210	Oxford Ionics Limited
2021246445	BAE Systems Information and Electronic Systems Integration Inc.	2021253223	Precision Planting LLC
2021246495	Schlumberger Technology B.V.	2021253407	Psomagen, Inc.; Macrogen Inc.
2021246496	The University of Kansas	2021253824	SWM Luxembourg
2021246506	Synchron Australia Pty Limited	2021253850	Mars, Incorporated
2021246542	Macquarie University	2021253866	Eagle Pharmaceuticals, Inc.
2021246679	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2021253883	Collibra NV
2021246724	Sustainable Energy Solutions, Inc.	2021253957	Mammoth Biosciences, Inc.
2021246922	Crystal Bioscience Inc.	2021254011	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation
2021247092	DEKA Products Limited Partnership	2021254354	Sekisui House, Ltd.; Kaneka Corporation; Daydo Co., Ltd.
2021247163	University of Florida Research Foundation, Incorporated	2021254396	Rumi Scientific Holdings, Inc.
2021247166	FMC Corporation	2021254415	Eagle Pharmaceuticals, Inc.
2021247169	Protomer Technologies Inc.	2021254733	Genomatica, Inc.
2021247184	Energizer Auto, Inc.	2021254780	Atossa Therapeutics, Inc.
2021247214	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2021255086	Fuji Tecom Inc.
2021247253	ILIAS Biologics Inc.	2021255141	Commercialisation Express Pty Ltd
2021247286	Alector LLC	2021255621	United Therapeutics Corporation
2021247307	Colgate-Palmolive Company	2021255653	National Oilwell Varco Norway AS
2021247323	Biotheus Inc.	2021255709	The Board of Trustees of the Leland Stanford Junior University
2021247379	BASF Coatings GmbH	2021255815	E.ON Sverige AB
2021247535	Hitachi Construction Machinery Co., Ltd.	2021255830	AKI, Inc.
2021247584	Lifescience AS	2021255873	Essilor International
2021247767	Oriental Yeast Co., Ltd.	2021255890	Tilak Healthcare SAS
2021247916	Chugai Seiyaku Kabushiki Kaisha	2021255934	The Board of Regents of the University of Texas System
2021248056	FlexLink AB	2021256018	Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd; Haier US Appliance Solutions, Inc.
2021248387	Energizer Auto, Inc.	2021256056	Zoetis Services LLC
2021248388	Energizer Auto, Inc.	2021256166	VIIV Healthcare UK (No.5) Limited
2021248392	Laboratory Corporation of America Holdings	2021256276	De' Longhi Appliances S.r.l.
2021248415	Petra Pharma Corporation	2021256326	Queensland University of Technology
2021248489	Bayer HealthCare LLC	2021256403	Noble Rig Holdings Limited
2021248491	Automation Tech, LLC	2021256419	Celgene Corporation
2021248551	Automation Tech, LLC	2021256428	Fred Hutchinson Cancer Center; University of Washington
2021248595	Javelin Biotech, Inc.	2021256444	BlueRock Therapeutics LP
2021248598	BASF SE	2021256998	Nikang Therapeutics, Inc.
2021248605	BASF Coatings GmbH	2021257149	Amyloid Solution Inc.
2021248637	Terviva, Inc.	2021257257	Idexx Laboratories, Inc.
2021248840	Telefonaktiebolaget LM Ericsson (publ)	2021257373	Dong-A ST Co., Ltd.
2021248923	Google LLC	2021257376	Huhtamaki Molded Fiber Technology B.V.
2021249046	Illumina, Inc.	2021257455	Genentech, Inc.
2021249109	Takeda Pharmaceutical Company Limited	2021257456	Genentech, Inc.
2021249111	Engine Biosciences Pte. Ltd.	2021257578	Essilor International
2021249112	Takeda Pharmaceutical Company Limited	2021257616	Nordic Bioscience A/S
2021249119	Arbor Biotechnologies, Inc.		
2021249129	Genentech, Inc.; F. Hoffmann-La Roche AG		
2021249139	Automation Tech, LLC		
2021249149	BP Asset V, Inc.		

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2021257838	SINTX Technologies, Inc.	2021281745	Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.
2021258140	Energizer Auto, Inc.	2021288458	University of Washington
2021258144	Energizer Auto, Inc.	2021289593	Acucela Inc.
2021258475	F. Hoffmann-La Roche AG	2021290491	Sungrow Power Supply Co., Ltd.
2021258996	The Wellington Company Research and Development Limited	2021291569	MD Healthcare Inc.
2021259279	Howmedica Osteonics Corp.	2021296450	The Procter & Gamble Company
2021259336	Boehringer Ingelheim International GmbH	2021296970	Mepsgen Co., Ltd.
2021259682	Chemomab Ltd.	2021301339	Novocure GmbH
2021260042	Deutsches Krebsforschungszentrum Stiftung des öffentlichen Rechts	2021303697	Precision Planting LLC
2021260553	Jounce Therapeutics, Inc.	2021332411	Chengdu New Radiomedicine Technology Co., Ltd.
2021260967	Nogra Pharma Limited	2021333608	Chengdu New Radiomedicine Technology Co., Ltd.
2021261003	Alpha Beta Holdings, LLC	2021342276	Eliaz Therapeutics Inc
2021261230	The Scripps Research Institute	2021380857	Wang, X.
2021261234	InnovaSea Systems, Inc.	2021383003	China University of Mining and Technology
2021261261	Poviva Corp.	2021390975	CRRC Nanjing Puzhen Co., Ltd.
2021261342	Fertility Lab Sciences, LLC	2021396892	LG Electronics Inc.
2021261638	I R Kinetics Limited	2021397054	Intuit Inc.
2021262517	Norwegian University of Science and Technology (NTNU)	2021411477	A-DEC, Inc.
2021262558	Tama Group	2021433087	Provectus Pharmatech, Inc.; UTI Limited Partnership
2021262788	Capital One Services, LLC	2022209248	Hanmi Pharm. Co., Ltd.
2021263410	Capital One Services, LLC	2022211781	GHD, Inc.
2021263563	4D Molecular Therapeutics Inc.	2022215281	Intuit Inc.
2021263636	Vivo Mobile Communication Co., Ltd.	2022231801	Contemporary Amperex Technology Co., Limited
2021263785	Herrenknecht Aktiengesellschaft		
2021263907	The Board of Regents of The University of Texas System		
2021263938	Saliogen Therapeutics, Inc.		
2021264070	Howmet Aerospace Inc.		
2021264298	Dong-A ST Co., Ltd.		
2021264426	Graphic Packaging International, LLC		
2021264963	Vivo Mobile Communication Co., Ltd.		
2021265061	Shell Internationale Research Maatschappij B.V.		
2021265724	Motorola Solutions, Inc.		
2021265812	Bauer, W.		
2021265838	Saliogen Therapeutics, Inc.		
2021265968	Vivo Mobile Communication Co., Ltd.		
2021266084	F. Hoffmann-La Roche AG		
2021266632	Hydra Unlimited, LLC		
2021266861	Pandora A/S; Pandora Production Co., Ltd.		
2021267389	Illumina, Inc.		
2021267423	Alcon Inc.		
2021268160	Valmont Industries, Inc.		
2021268649	Saliogen Therapeutics, Inc.		
2021268664	Nuvalent, Inc.		
2021268690	Posch, D.N.		
2021268884	Mars, Incorporated		
2021269069	Illumina, Inc.		
2021269475	A-Alpha Bio, Inc.		
2021269719	Dometic Sweden AB		
2021269737	Hilti Aktiengesellschaft		
2021269773	Ateliers Busch SA		
2021270338	Hilti Aktiengesellschaft		
2021270769	Hilti Aktiengesellschaft		
2021271128	BioEcho Life Sciences GmbH		
2021271467	Komatsu Ltd.		
2021272270	Dometic Sweden AB		
2021272294	Société des Produits Nestlé S.A.		
2021272652	Dometic Sweden AB		
2021272969	Knorr-Bremse Espana, S.A.; Merak Jinxin Air Conditioning Systems (Wuxi) Co., Ltd.		
2021273466	Arthrex, Inc.		
2021273485	Digits Financial, Inc.		
2021273738	Pathy Medical, Inc.		
2021274706	Capital One Services, LLC		
2021274816	Société des Produits Nestlé S.A.; Socpra Sciences Santé Et Humaines, S.E.C.		
2021277132	Refocus Group, Inc.		
2021278790	Face International Corporation		
2021279790	Komatsu Ltd.		

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<b><u>A01B 21 /-</u></b>	<b><u>A01N 59 /-</u></b>	<b><u>A23L 23 /-</u></b>	<b><u>A47J 27 /-</u></b>	<b><u>A61B 90 /-</u></b>	2021230575
2020440915	2021257838	2021249506	2020458445	2021246496	2021232072
<b><u>A01B 45 /-</u></b>	<b><u>A01P 1 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A47J 31 /-</u></b>	<b><u>A61C 1 /-</u></b>	2021232100
2020440915	2021257838	2021249506	2021244074	2021411477	2021233829
<b><u>A01B 63 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 29 /-</u></b>	2021256276		2021234496
2020440915	2021248637	2021249506	<b><u>A47J 37 /-</u></b>	<b><u>A61F 13 /-</u></b>	2021237254
<b><u>A01C 7 /-</u></b>	<b><u>A21B 1 /-</u></b>	<b><u>A23L 31 /-</u></b>	2020458445	2021233823	2021238643
2021253223	2021245769	2021246099	2020458871		2021239135
<b><u>A01D 34 /-</u></b>	2021245825	<b><u>A23L 33 /-</u></b>	2021246429	<b><u>A61F 2 /-</u></b>	2021241001
2020437974	2021245993	2020436453	2021249139	2020431045	2021241441
2020441516	2021246427	2021229110	<b><u>A47K 10 /-</u></b>	2020439818	2021241530
<b><u>A01G 24 /-</u></b>	2021246429	2021238643	2020433809	2021226421	2021241591
2021266632	2021246440	2021246099	<b><u>A61B 1 /-</u></b>	2021227736	2021241622
<b><u>A01G 25 /-</u></b>	2021248491	2021291569	2021238376	2021231656	2021242143
2021268160	2021248551	<b><u>A23L 5 /-</u></b>	<b><u>A61B 10 /-</u></b>	2021241583	2021242347
<b><u>A01G 3 /-</u></b>	<b><u>A21B 3 /-</u></b>	2021227119	2021251123	2021246506	2021244744
2021231123	2021248491	2021245769	<b><u>A61B 17 /-</u></b>	2021246506	2021244941
<b><u>A01G 31 /-</u></b>	<b><u>A21B 7 /-</u></b>	2021245825	2021224768	2021246506	2021247584
2021266632	2021246429	2021245993	2021227609	2021246506	2021248415
<b><u>A01H 4 /-</u></b>	<b><u>A23B 9 /-</u></b>	2021246440	2021227736	2021233823	2021249109
2020436453	2021226719	2021248551	2021251123	<b><u>A61F 5 /-</u></b>	2021249112
<b><u>A01H 5 /-</u></b>	<b><u>A23C 20 /-</u></b>	2021274816	2021251702	2021233823	2021249129
2021246436	2021226923	<b><u>A23L 7 /-</u></b>	2021259279	<b><u>A61F 6 /-</u></b>	2021249149
<b><u>A01M 1 /-</u></b>	<b><u>A23G 3 /-</u></b>	2021226923	2021273466	2020440312	2021250630
2021231977	2020439411	<b><u>A23P 20 /-</u></b>	<b><u>A61B 18 /-</u></b>	<b><u>A61F 9 /-</u></b>	2021253866
<b><u>A01M 7 /-</u></b>	<b><u>A23K 10 /-</u></b>	2021227119	2021251123	2021241583	2021254396
2021303697	2021253003	<b><u>A24D 1 /-</u></b>	<b><u>A61B 3 /-</u></b>	2021277132	2021254415
<b><u>A01N 1 /-</u></b>	2021268884	2021253824	2021241583	<b><u>A61G 10 /-</u></b>	2021254780
2021236049	<b><u>A23K 20 /-</u></b>	<b><u>A41B 9 /-</u></b>	2021255890	2021246496	2021255621
2021246062	2021268884	2021233823	<b><u>A61B 5 /-</u></b>	<b><u>A61H 23 /-</u></b>	2021256166
2021296970	<b><u>A23K 40 /-</u></b>	<b><u>A41D 13 /-</u></b>	2020434216	2021380857	2021256419
<b><u>A01N 25 /-</u></b>	2021268884	2021257838	2020445257	<b><u>A61K 103 /-</u></b>	2021256998
2021248637	<b><u>A23K 50 /-</u></b>	2020432698	2021226138	2021332411	2021257373
2021257838	2021253003	<b><u>A43D 1 /-</u></b>	2021226139	<b><u>A61K 31 /-</u></b>	2021274816
<b><u>A01N 43 /-</u></b>	2021253850	2020432698	2021227720	2020435503	2021296450
2021225838	2021268884	<b><u>A44C 5 /-</u></b>	2021227721	2021225484	2021342276
2021233845	<b><u>A23K 11 /-</u></b>	2020440094	2021228377	2021225491	2021433087
2021236210	2021226923	2021266861	2021228377	2021225817	<b><u>A61K 33 /-</u></b>
2021246135	<b><u>A23L 19 /-</u></b>	<b><u>A47B 77 /-</u></b>	2021228378	2021225909	2021261261
2021247166	2021227119	2020433763	2021231886	2021225926	<b><u>A61K 35 /-</u></b>
2021342276	2021228751	<b><u>A47G 3 /-</u></b>	2021238373	2021226133	2020435555
	2021249506	2021251747	2021238376	2021226205	2021225817
			2021239088	2021227007	2021226903
			2021239897	2021227276	2021229110
			2021240091	2021227457	2021230370
			2021241408	2021228240	2021230476
			2021241409	2021229414	2021231556
			2021241676	2021230370	2021237717
			2021246506	2021230370	2021239379
			2021263907		2021245671
			<b><u>A61B 8 /-</u></b>		2021247253
			2021235371		2021253407
					2021263563
					2021268884
					2021272294
					2021291569

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<b><u>A61K 36 /-</u></b>	2021265838	2021274816	<b><u>A61P 1 /-</u></b>	2021234496	2021242305
	2021274816	2021288458		2021243854	2021244606
2021238643	2021433087	2021296450	2021225484	2021245397	2021244744
2021240478			2021227457	2021246104	2021244941
2021243854	<b><u>A61K 47 /-</u></b>	<b><u>A61L 2 /-</u></b>	2021229110	2021251187	2021245687
2021246099	2021225484	2021265812	2021238643	2021256998	2021246147
	2021225962	2021273738	2021241001		2021247323
<b><u>A61K 38 /-</u></b>	2021226133	2021411477	2021246085	<b><u>A61P 3 /-</u></b>	2021248415
	2021227413		2021256998	2021227101	2021249111
2021226133	2021228240	<b><u>A61L 27 /-</u></b>	2021259682	2021238643	2021256998
2021226578	2021238951		2021263938	2021241718	2021257373
2021227101	2021241001	2021226421	2021272294	2021245397	2021258475
2021227918	2021247169	2021237753		2021246922	2021261003
2021231997	2021254780		<b><u>A61P 11 /-</u></b>	2021247169	2021288458
2021232603	2021256166	<b><u>A61M 1 /-</u></b>	2021231892	2021248415	2021332411
2021237717	2021259336		2021232072	2021263938	2021333608
2021239379	2021268884	2021240351	2021232100	2021264298	
2021241591		2021255934	2021241591	2021274816	<b><u>A61P 37 /-</u></b>
2021242326	<b><u>A61K 48 /-</u></b>		2021241622	2021291569	2021225909
2021244606	2021226133	<b><u>A61M 16 /-</u></b>	2021245634		2021225952
2021244834	2021226578		2021246104	<b><u>A61P 31 /-</u></b>	2021236055
2021247169	2021237717	2021229678	2021251187	2021225851	2021239135
2021256419	2021238777	2021273738	2021253866	2021225909	2021242143
2021257149	2021239379		2021254415	2021225952	2021242326
2021259336	2021240417	<b><u>A61M 25 /-</u></b>	2021255621	2021227101	2021249129
2021261230	2021242326	2021238376	2021256998	2021227276	2021249531
2021263563	2021244834	2021240036		2021227687	2021256056
2021264298	2021246006	2021240091	<b><u>A61P 13 /-</u></b>	2021227918	2021257373
2021268884	2021255934	2021241398		2021228240	2021272294
2021272294	2021257149	2021241401	2021227101	2021231892	
2022209248	2021263563	2021241408		2021233829	<b><u>A61P 39 /-</u></b>
		2021241409	<b><u>A61P 17 /-</u></b>	2021238777	2020436453
<b><u>A61K 39 /-</u></b>	<b><u>A61K 49 /-</u></b>	2021241410	2021241441	2021241591	
2020438895	2021231887	2021244148	2021246147	2021245269	<b><u>A61P 43 /-</u></b>
2021225870		2021244150		2021245634	2021231556
2021226987	<b><u>A61K 51 /-</u></b>		<b><u>A61P 19 /-</u></b>	2021246147	2021245671
2021227277	2021332411	<b><u>A61M 27 /-</u></b>	2021240769	2021247163	2021246104
2021227279	2021333608	2021251702	2021248415	2021247584	2021253407
2021227687				2021249149	2021257373
2021227918	<b><u>A61K 8 /-</u></b>	<b><u>A61M 39 /-</u></b>	<b><u>A61P 21 /-</u></b>	2021249531	2021260042
2021229575	2020436453	2021226138	2021291569	2021250630	
2021230575	2021240467	2021227720		2021253866	<b><u>A61P 9 /-</u></b>
2021231887	2021240478	2021228378	<b><u>A61P 25 /-</u></b>	2021253957	2021226987
2021236055	2021242308		2021226578	2021254415	2021227101
2021237717	2021243854	<b><u>A61M 5 /-</u></b>	2021227101	2021256166	2021227277
2021238951	2021245822	2020437760	2021233829	2021256428	2021227279
2021239088	2021245822	2021241398	2021235760	2021260553	2021238643
2021239379	2021247307	2021244148	2021238643	2021261230	2021246142
2021240769	2021251187	2021248489	2021240083	2021296450	
2021242347	2021255830	2021251266	2021241001		<b><u>A61P 35 /-</u></b>
2021244621		2021255934	2021241718	2020435503	2021231556
2021245269	<b><u>A61K 9 /-</u></b>	2021256444	2021242355	2020435555	2020438895
2021246922	2020438895		2021244834	2020438895	2021222332
2021247163	2021225484	<b><u>A61M 60 /-</u></b>	2021244941	2021222332	2021225491
2021247286	2021225909		2021246147	2021225491	2021225909
2021247323	2021226133	2021241401	2021249112	2021225952	2021226133
2021249531	2021227276		2021254396	2021226133	2021226205
2021250630	2021228240	<b><u>A61N 1 /-</u></b>	2021257149	2021226205	2021227007
2021259682	2021238951	2020442024	2021274816	2021227007	2021227413
2021260042	2021241001	2021240036	2021291569	2021227413	2021229414
2021261003	2021247584	2021301339		2021229457	2021230575
	2021249531		<b><u>A61P 27 /-</u></b>	2021232072	2021237777
<b><u>A61K 41 /-</u></b>	2021254780	<b><u>A61N 5 /-</u></b>	2021246142	2021239135	2021239135
	2021255621	2021228740		2021240769	2021242143
2021245687	2021255934	2021273738	<b><u>A61P 29 /-</u></b>	2021229414	2021251187
	2021256166	2021289593		2021239135	
<b><u>A61K 45 /-</u></b>	2021268884		2021229110	2021240769	<b><u>A61Q 9 /-</u></b>
2021241441			2021229414	2021242143	2021251187
2021241591					
2021241622					
2021244621					
2021261003					

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<b><u>A61Q 90 /-</u></b>	<b><u>B01D 71 /-</u></b>	<b><u>B05D 7 /-</u></b>	2021257578	<b><u>B60C 29 /-</u></b>	<b><u>B65D 77 /-</u></b>
2021251187	2021262517	2021248605	<b><u>B29D 11 /-</u></b>	2021241357	2021242828
<b><u>A62C 19 /-</u></b>	<b><u>B01F 25 /-</u></b>	<b><u>B07B 1 /-</u></b>	2021255873	<b><u>B60H 1 /-</u></b>	<b><u>B65D 81 /-</u></b>
2021240343	2021265812	2020444035	2021257578	2021269719	2021242828
<b><u>A62C 3 /-</u></b>	<b><u>B01J 20 /-</u></b>	2021240883	<b><u>B29K 23 /-</u></b>	2021272270	2021246062
2021240343	2021225738	<b><u>B08B 3 /-</u></b>	2021257578	2021272652	<b><u>B65D 85 /-</u></b>
2021255141	2021225738	2021247184	<b><u>B29K 25 /-</u></b>	<b><u>B60H 3 /-</u></b>	2021246062
<b><u>A62C 35 /-</u></b>	<b><u>B01J 23 /-</u></b>	2021248388	2021257578	2021272969	2021251468
2021223188	2021243959	2021252978	<b><u>B29K 33 /-</u></b>	<b><u>B60L 53 /-</u></b>	2021281745
<b><u>A62C 37 /-</u></b>	<b><u>B01J 38 /-</u></b>	<b><u>B08B 9 /-</u></b>	2021257578	2022211781	<b><u>B65G 21 /-</u></b>
2021223188	2021225738	2021411477	<b><u>B29K 67 /-</u></b>	<b><u>B60S 3 /-</u></b>	2021248056
<b><u>A63B 71 /-</u></b>	<b><u>B01J 47 /-</u></b>	<b><u>B09B 3 /-</u></b>	2021257578	2021247184	<b><u>B65G 47 /-</u></b>
2021228670	2021225738	2021229674	<b><u>B29K 69 /-</u></b>	2021248387	2021254011
<b><u>A63F 13 /-</u></b>	<b><u>B01L 3 /-</u></b>	<b><u>B21J 15 /-</u></b>	2021257578	<b><u>B60W 40 /-</u></b>	<b><u>B66B 19 /-</u></b>
2021261638	2021248595	2021264070	<b><u>B29K 75 /-</u></b>	2021237815	2021250298
<b><u>A63H 27 /-</u></b>	2021296970	<b><u>B23B 5 /-</u></b>	2021257578	<b><u>B60W 50 /-</u></b>	<b><u>B66B 7 /-</u></b>
2021241357	<b><u>B02C 13 /-</u></b>	2021242253	<b><u>B29K 77 /-</u></b>	2021237815	2021229906
<b><u>A63H 3 /-</u></b>	2021231934	<b><u>B23D 59 /-</u></b>	2021257578	<b><u>B61D 27 /-</u></b>	2021250298
2021241357	<b><u>B02C 17 /-</u></b>	2021226056	<b><u>B29K 79 /-</u></b>	2021272969	<b><u>B66B 9 /-</u></b>
<b><u>B01D 1 /-</u></b>	2021240883	<b><u>B25B 5 /-</u></b>	2021257578	<b><u>B62D 12 /-</u></b>	2021229906
2021241830	<b><u>B02C 23 /-</u></b>	2021232252	<b><u>B29K 81 /-</u></b>	2021390975	<b><u>B66F 11 /-</u></b>
2021244711	2021229906	<b><u>B25B 7 /-</u></b>	2021257578	<b><u>B62D 7 /-</u></b>	2021229906
<b><u>B01D 15 /-</u></b>	2021231934	2021252471	<b><u>B29L 11 /-</u></b>	2021390975	<b><u>C01B 21 /-</u></b>
2021225738	<b><u>B03B 9 /-</u></b>	<b><u>B27N 3 /-</u></b>	2021257578	<b><u>B62J 3 /-</u></b>	2021257838
2021231997	2021240883	2021228281	<b><u>B31F 1 /-</u></b>	2021238606	<b><u>C01B 3 /-</u></b>
<b><u>B01D 46 /-</u></b>	<b><u>B05B 11 /-</u></b>	2021229674	2020433809	<b><u>B62K 21 /-</u></b>	2021248598
2021265061	2021236675	<b><u>B29B 15 /-</u></b>	<b><u>B32B 27 /-</u></b>	2021238606	<b><u>C01B 32 /-</u></b>
<b><u>B01D 5 /-</u></b>	<b><u>B05B 12 /-</u></b>	2021228281	2021245418	<b><u>B64C 27 /-</u></b>	2021249647
2021234947	2021303697	<b><u>B29C 33 /-</u></b>	2021246184	2020431757	2021332411
2021241830	<b><u>B05B 3 /-</u></b>	2020440312	2021262558	<b><u>B65D 25 /-</u></b>	<b><u>C01F 17 /-</u></b>
<b><u>B01D 53 /-</u></b>	2021247184	2021245418	<b><u>B32B 3 /-</u></b>	2021281745	2021243959
2021236762	2021248387	<b><u>B29C 41 /-</u></b>	2021245418	<b><u>B65D 43 /-</u></b>	<b><u>C01G 39 /-</u></b>
2021246724	2021248388	2020440312	<b><u>B32B 7 /-</u></b>	2021257376	2021265812
2021248598	<b><u>B05B 7 /-</u></b>	<b><u>B29C 43 /-</u></b>	2021262558	<b><u>B65D 47 /-</u></b>	<b><u>C01G 45 /-</u></b>
2021249647	2021236675	2021257578	<b><u>B33Y 80 /-</u></b>	2021257376	2021243959
2021262517	<b><u>B05D 1 /-</u></b>	<b><u>B29C 48 /-</u></b>	2021255873	<b><u>B65D 65 /-</u></b>	<b><u>C01G 53 /-</u></b>
<b><u>B01D 61 /-</u></b>	2021234947	2021257578	<b><u>B60C 19 /-</u></b>	2021257376	2021243497
2021255653	<b><u>B05D 5 /-</u></b>	<b><u>B29C 51 /-</u></b>	2021224844	<b><u>B65D 71 /-</u></b>	<b><u>C02F 1 /-</u></b>
<b><u>B01D 65 /-</u></b>	2021234947	2021257578	<b><u>B60C 23 /-</u></b>	2021236661	2021241830
2021255653	2021248605	<b><u>B29C 59 /-</u></b>	2021224844	2021264426	2021244711
<b><u>B01D 69 /-</u></b>		2021245418			2021265812
2021262517					

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<b><u>C02F 9 /-</u></b>		<b><u>C07D 279 /-</u></b>	<b><u>C07F 1 /-</u></b>	2021244606	<b><u>C08K 3 /-</u></b>
2021265812	<b><u>C07D 207 /-</u></b>	2021246085	2021245687	2021244621	2021247379
	2021235760			2021246922	
<b><u>C03C 12 /-</u></b>	2021246098	<b><u>C07D 295 /-</u></b>	<b><u>C07F 19 /-</u></b>	2021247286	<b><u>C08K 5 /-</u></b>
2020432839	2021249112	2021266084	2021245687	2021247323	2021225838
	<b><u>C07D 209 /-</u></b>			2021247916	
<b><u>C03C 3 /-</u></b>	2021246104	<b><u>C07D 317 /-</u></b>	<b><u>C07F 5 /-</u></b>	2021256056	<b><u>C08K 7 /-</u></b>
2020432839		2021235760	2021247169	2021257616	2021247379
	<b><u>C07D 211 /-</u></b>	2021246142		2021258475	
<b><u>C04B 28 /-</u></b>	2021235760	<b><u>C07D 319 /-</u></b>	<b><u>C07F 7 /-</u></b>	2021259682	<b><u>C08L 1 /-</u></b>
2021269737		2021246142	2021235760	2021260553	2021251468
2021270338	<b><u>C07D 213 /-</u></b>			2021261003	
2021270769	2021235760	<b><u>C07D 401 /-</u></b>	<b><u>C07F 9 /-</u></b>	2021288458	<b><u>C08L 33 /-</u></b>
	2021235760	2021239135	2021245687	2022209248	2021238334
<b><u>C04B 40 /-</u></b>	2021256998	2021242143			2021239958
2021269737	2021268664	2021246104	<b><u>C07H 1 /-</u></b>		
2021270338	<b><u>C07D 215 /-</u></b>	2021249112	2021237843	<b><u>C07K 7 /-</u></b>	<b><u>C08L 83 /-</u></b>
2021270769	2021244744			2021242326	2021258140
	<b><u>C07D 231 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07H 19 /-</u></b>	2021244606	2021258144
<b><u>C07C 205 /-</u></b>	2021229414	2020435503	2021225851		
2021235760	2021235760	2021234496	2021237843	<b><u>C07K 9 /-</u></b>	<b><u>C08L 99 /-</u></b>
	2021236210	2021239135		2021261230	2021251468
<b><u>C07C 211 /-</u></b>	2021268664	2021242143	<b><u>C07H 21 /-</u></b>	<b><u>C08B 15 /-</u></b>	<b><u>C09B 57 /-</u></b>
2021235760		2021246104	2021237843	2021231326	2021256326
	<b><u>C07D 233 /-</u></b>	2021249109			
<b><u>C07C 235 /-</u></b>	2021235760	2021249112	<b><u>C07H 23 /-</u></b>	<b><u>C08F 2 /-</u></b>	<b><u>C09B 69 /-</u></b>
2021235760			2021245687	2021256326	2021256326
	<b><u>C07D 237 /-</u></b>	<b><u>C07D 405 /-</u></b>			
<b><u>C07C 237 /-</u></b>	2021247166	2021246104	<b><u>C07K 14 /-</u></b>	<b><u>C08F 20 /-</u></b>	<b><u>C09C 1 /-</u></b>
2021233829		2021248415		2021255709	2021247379
	<b><u>C07D 239 /-</u></b>	2021249109	2021225817		2021248605
<b><u>C07C 255 /-</u></b>	2021242143	<b><u>C07D 409 /-</u></b>	2021226903	<b><u>C08F 214 /-</u></b>	<b><u>C09D 13 /-</u></b>
2021235760	2021244744	2021246104	2021228368	2021301339	2021246083
2021256998	2021256419		2021231887	<b><u>C08F 220 /-</u></b>	<b><u>C09D 175 /-</u></b>
	<b><u>C07D 241 /-</u></b>	<b><u>C07D 413 /-</u></b>	2021232603	2021246184	2021246184
<b><u>C07C 271 /-</u></b>	2021235760	2021249112	2021238777	<b><u>C08F 293 /-</u></b>	<b><u>C09D 183 /-</u></b>
2021235760			2021240083	2021256326	2021258140
	<b><u>C07D 247 /-</u></b>	<b><u>C07D 471 /-</u></b>	2021244606		2021258144
<b><u>C07C 311 /-</u></b>	2021256166	2021232100	2021244834	<b><u>C08F 293 /-</u></b>	<b><u>C09D 5 /-</u></b>
2021232072	2021256166	2021244941	2021246542	2021246184	2021234947
	<b><u>C07D 249 /-</u></b>	2021246147	2021247169	<b><u>C08G 59 /-</u></b>	2021247379
<b><u>C07C 317 /-</u></b>	2021235760	2021248415	2021247253	2021245972	2021248605
2021235760		2021257373	2021249531		
	2021268664	<b><u>C07D 487 /-</u></b>	2021259336	<b><u>C08G 18 /-</u></b>	<b><u>C09D 175 /-</u></b>
<b><u>C07C 39 /-</u></b>	2021268664		2021264298	2021246184	2021246184
2021246142	<b><u>C07D 251 /-</u></b>	2021245397	2021288458	<b><u>C08G 59 /-</u></b>	<b><u>C09D 5 /-</u></b>
	2021225909	2021266084	2022209248	2021245972	2021234947
<b><u>C07C 43 /-</u></b>	<b><u>C07D 261 /-</u></b>	<b><u>C07D 491 /-</u></b>		<b><u>C08G 77 /-</u></b>	2021247379
2021246142	2021268664	2021249112	2021225870	2021258140	2021248605
			2021225962	2021258144	
<b><u>C07C 50 /-</u></b>	<b><u>C07D 263 /-</u></b>	<b><u>C07D 498 /-</u></b>	2021226903		<b><u>C09D 7 /-</u></b>
2021246142	2021235760	2021229457	2021226987	<b><u>C08J 3 /-</u></b>	2021246184
		2021246147	2021227277	2021258144	2021247379
<b><u>C07C 69 /-</u></b>	<b><u>C07D 265 /-</u></b>	<b><u>C07D 515 /-</u></b>	2021227279		2021248605
2021235760	2021235760	2021222332	2021227687	<b><u>C08J 7 /-</u></b>	<b><u>C09G 1 /-</u></b>
	2021246098		2021227918	2021245418	2021258140
<b><u>C07D 205 /-</u></b>			2021229457		2021258144
2021249112			2021231997		
			2021232603	<b><u>C09J 7 /-</u></b>	2021241676
			2021236302		
			2021240769		
			2021242305		



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<b>C09K 11 /-</b>	2021225909	<b>C12P 1 /-</b>	<b>C40B 20 /-</b>	2021258996	2021255815
	2021226133				
2021256326	2021226578	2021246542	2021251780	<b>E04B 5 /-</b>	<b>E21B 41 /-</b>
	2021228368				
<b>C09K 3 /-</b>	2021230476	<b>C12P 21 /-</b>	<b>C40B 40 /-</b>	2021258996	2021255653
	2021232603				
2021248605	2021236055	2021231997	2021268649	<b>E04B 7 /-</b>	<b>E21B 43 /-</b>
	2021237717				
<b>C09K 5 /-</b>	2021238777	<b>C12P 3 /-</b>	<b>D01D 4 /-</b>	2021230417	2021246495
	2021239379				2021255653
2021242253	2021240417	2021246542	2021230600	<b>E04C 2 /-</b>	<b>E21B 7 /-</b>
2021265812	2021242355				
	2021244834	<b>C12P 7 /-</b>	<b>D01D 5 /-</b>	2021229674	2020456100
<b>C10B 1 /-</b>	2021245269			2021251557	
	2021246006	2021254733	2021230600	2021258996	<b>E21C 35 /-</b>
2021249298	2021246436				
	2021246542	<b>C12Q 1 /-</b>	<b>D04H 1 /-</b>	<b>E04F 13 /-</b>	2021238501
<b>C10B 47 /-</b>	2021247323				
	2021249119	2021226578	2021230600	2021251560	<b>E21C 41 /-</b>
2021249298	2021249531	2021237717		2021254354	
	2021249531	2021239088	<b>D04H 3 /-</b>		
<b>C10G 31 /-</b>	2021253957	2021239379		<b>E04G 1 /-</b>	2021238501
	2021254733	2021240657	2021230600		
2021265812	2021255934	2021247767		2021241374	<b>E21D 11 /-</b>
	2021256428	2021248392	<b>D21B 1 /-</b>		
<b>C10G 33 /-</b>	2021260967	2021249046		<b>E04G 21 /-</b>	2021271467
	2021265838	2021251780	2021229674		
2021265812	2021268649	2021253407	<b>D21C 5 /-</b>	2020433325	<b>E21D 9 /-</b>
	2021269475	2021261342			
<b>C10L 3 /-</b>	2021271128		2021229674	<b>E04G 23 /-</b>	2021263785
	2021296450	<b>C12R 1 /-</b>			2021271467
2021246724			<b>D21H 17 /-</b>	2021241374	2021279790
	<b>C12N 5 /-</b>	2021229110		<b>E04G 5 /-</b>	<b>F02C 6 /-</b>
<b>C11D 13 /-</b>			2021238334		
	2020436453	<b>C21B 11 /-</b>	2021239958	2021241374	2021226148
2020437182	2021225817			2021242144	
	2021225952	2021227730	<b>D21H 21 /-</b>		<b>F03G 7 /-</b>
<b>C11D 17 /-</b>	2021228368			<b>E04G 7 /-</b>	2021226148
	2021237717	<b>C21B 5 /-</b>	2021238334		
2020432839	2021239379		2021239958	2021241374	<b>F04B 17 /-</b>
	2021242326	2021227730		2021242144	
<b>C11D 7 /-</b>	2021245671	<b>C22B 1 /-</b>	<b>D21H 27 /-</b>	<b>E04H 7 /-</b>	2021246495
	2021246436				
2020432839	2021247253	2021243497	2020433809	2021253067	<b>F04B 47 /-</b>
	2021247323				
<b>C12G 3 /-</b>	2021247767	<b>C22B 23 /-</b>	<b>D21J 1 /-</b>	<b>E05D 15 /-</b>	2021246495
	2021249531				
2021227180	2021268649	2021243497	2021229674	2021230503	<b>F04C 18 /-</b>
		<b>C22B 3 /-</b>		<b>E06B 3 /-</b>	2021269773
<b>C12M 1 /-</b>	<b>C12N 7 /-</b>		<b>E01B 3 /-</b>		
		2021225738	2021238789	2021230503	<b>F04C 25 /-</b>
2021236049	2021228368	2021227527			
2021242828	2021245269		<b>E02F 9 /-</b>	<b>E21B 19 /-</b>	2021269773
2021245671	2021249531	<b>C22B 59 /-</b>			
	2021255934		2021236300	2021244291	<b>F04C 29 /-</b>
<b>C12M 3 /-</b>	2021256428	2021225738			
	2021268649		<b>E03B 3 /-</b>	<b>E21B 21 /-</b>	2021269773
2021236049		<b>C22F 1 /-</b>			
2021248595	<b>C12N 9 /-</b>		2021234947	2021256403	<b>F04D 13 /-</b>
		2021232470			
<b>C12N 1 /-</b>	2020431316		<b>E03F 1 /-</b>	<b>E21B 23 /-</b>	2021246495
	2021246006	<b>C23C 16 /-</b>			
2021229110	2021246436		2020439966	2020455741	<b>F04D 17 /-</b>
2021245671	2021246542	2021243406		2020456100	
2021246542	2021246542		<b>E04B 1 /-</b>		2021241883
2021271128	2021249111	<b>C25B 1 /-</b>		<b>E21B 29 /-</b>	
	2021249119		2020433325		<b>F04D 29 /-</b>
<b>C12N 11 /-</b>	2021249531	2021229804	2021242253	2020455741	
	2021253957		2021255141	2021236274	2021241883
2021255709	2021254733	<b>C25B 9 /-</b>	2021258996		2021246495
	2021268649			<b>E04B 2 /-</b>	
<b>C12N 15 /-</b>	2021269475	2021229804			
			<b>E04B 2 /-</b>	<b>E21B 33 /-</b>	
2020431316			2021251557		2020456100
2021225870					

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<b><u>F16B 13 /-</u></b>	<b><u>F17C 7 /-</u></b>	<b><u>F28G 7 /-</u></b>		2021247092	<b><u>G06Q 10 /-</u></b>
2021250298	2021226148	2021252978	<b><u>G01P 15 /-</u></b>	2021247535	2021227711
<b><u>F16B 19 /-</u></b>	<b><u>F24C 15 /-</u></b>	<b><u>F42B 12 /-</u></b>	2021224844	<b><u>G06E 3 /-</u></b>	2021231977
2021236300	2021245993	2021240343	<b><u>G01R 29 /-</u></b>	2020441156	2021268690
2021264070	2021246429	<b><u>F42C 1 /-</u></b>	2021228603	<b><u>G06F 15 /-</u></b>	2021397054
<b><u>F16B 2 /-</u></b>	2021248491	<b><u>F42C 11 /-</u></b>	<b><u>G01R 33 /-</u></b>	2021230365	<b><u>G06Q 20 /-</u></b>
2021248056	<b><u>F24H 1 /-</u></b>	2021240343	2021224846	<b><u>G06F 16 /-</u></b>	2021242254
<b><u>F16B 37 /-</u></b>	2021252978	<b><u>F42C 14 /-</u></b>	<b><u>G01S 17 /-</u></b>	2020225082	2021262788
2021250298	<b><u>F24T 10 /-</u></b>	2021240343	2021243856	2021227711	2021263410
2021251747	2021241883	<b><u>F42C 14 /-</u></b>	2021247379	2021243727	2021268690
<b><u>F16B 39 /-</u></b>	<b><u>F25D 11 /-</u></b>	2021240343	2021248605	2021253883	<b><u>G06Q 30 /-</u></b>
2021251747	2021252970	<b><u>G01B 7 /-</u></b>	2021261638	<b><u>G06F 21 /-</u></b>	2020432497
<b><u>F16B 7 /-</u></b>	2021256018	2021224844	<b><u>G01S 5 /-</u></b>	2020432497	2020439965
2021248056	<b><u>F25D 17 /-</u></b>	<b><u>G01C 21 /-</u></b>	2021243856	2021230365	2020440127
<b><u>F16K 1 /-</u></b>	2021396892	2021247092	<b><u>G01S 7 /-</u></b>	2021246445	2021227711
2021241419	<b><u>F25D 23 /-</u></b>	<b><u>G01D 4 /-</u></b>	2021243856	2021274706	2021242254
<b><u>F16K 15 /-</u></b>	2020433763	<b><u>G01D 5 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06F 3 /-</u></b>	2021253850
2021241419	2021246679	2021228603	2021243856	2020225082	2021397054
<b><u>F16K 27 /-</u></b>	2021247214	<b><u>G01D 5 /-</u></b>	2021255086	2021246506	<b><u>G06Q 50 /-</u></b>
2021228453	2021396892	2021240818	<b><u>G01V 99 /-</u></b>	2021267423	2020225082
<b><u>F16K 31 /-</u></b>	<b><u>F25D 3 /-</u></b>	<b><u>G01H 11 /-</u></b>	2021241430	<b><u>G06F 30 /-</u></b>	2020437974
2021241419	2021246062	<b><u>G01H 11 /-</u></b>	<b><u>G02B 21 /-</u></b>	2021383003	2021228408
<b><u>F16K 37 /-</u></b>	<b><u>F25J 1 /-</u></b>	2021255086	2021225013	<b><u>G06F 40 /-</u></b>	2021229804
2021255815	2021246724	<b><u>G01L 9 /-</u></b>	<b><u>G02B 27 /-</u></b>	2020441742	2021231977
<b><u>F16L 59 /-</u></b>	<b><u>F26B 17 /-</u></b>	2021224844	2021255873	<b><u>G06F 8 /-</u></b>	2021247535
2021242253	2021226719	<b><u>G01N 1 /-</u></b>	2021267423	2020437843	2021253850
<b><u>F16N 21 /-</u></b>	2021249572	2020434216	<b><u>G02B 5 /-</u></b>	2020437977	2021268690
2021228183	<b><u>F26B 3 /-</u></b>	2021225013	2021248605	<b><u>G06F 9 /-</u></b>	<b><u>G06T 17 /-</u></b>
<b><u>F16N 3 /-</u></b>	2021226719	<b><u>G01N 19 /-</u></b>	2021255873	2020437843	2021227740
2021228183	2021249572	2020432698	<b><u>G02B 6 /-</u></b>	2020437977	<b><u>G06T 7 /-</u></b>
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2021228408	2021249298	2021256326	<b><u>G02C 7 /-</u></b>	2021273485	<b><u>G07C 5 /-</u></b>
<b><u>F17C 13 /-</u></b>	<b><u>F27B 9 /-</u></b>	<b><u>G01N 30 /-</u></b>	2021255873	<b><u>G06K 19 /-</u></b>	<b><u>G08C 23 /-</u></b>
2021228408	2021245769	2021257456	<b><u>G03F 7 /-</u></b>	2020436183	2021240818
<b><u>F17C 3 /-</u></b>	2021245825	<b><u>G01N 33 /-</u></b>	2021241529	2020439471	<b><u>G08G 1 /-</u></b>
2021253067	2021249139	2021227918	2021255873	<b><u>G06K 9 /-</u></b>	2021247535
<b><u>F17C 5 /-</u></b>	<b><u>F27D 7 /-</u></b>	2021228207	<b><u>G03G 9 /-</u></b>	2021261234	2021261638
2021226148	2021249298	2021237717	2021241529	<b><u>G06N 10 /-</u></b>	<b><u>G09B 19 /-</u></b>
2021228408	<b><u>F28D 1 /-</u></b>	2021238363	2021255873	2021248923	2021253850
<b><u>F17C 5 /-</u></b>	2021241883	2021239088	2021257257	2021253210	<b><u>G09F 3 /-</u></b>
2021226148	2021241883	2021239379	<b><u>G05B 15 /-</u></b>	<b><u>G06N 20 /-</u></b>	2021241743
2021228408	<b><u>F28D 20 /-</u></b>	2021249111	2021246445	2021248923	<b><u>G16B 20 /-</u></b>
		2021251382	2021268160	<b><u>G06N 3 /-</u></b>	2021267389
		2021257455	<b><u>G05D 1 /-</u></b>	2020441742	2021269069
		2021257456			<b><u>G16B 30 /-</u></b>
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			2020431757		

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2021251266	<b><u>H01R 33 /-</u></b>	<b><u>H04B 7 /-</u></b>
2021253850	2021226896	2021263636
<b><u>G16H 30 /-</u></b>	<b><u>H02G 1 /-</u></b>	<b><u>H04L 9 /-</u></b>
2021224768	2021230355	2021244972
<b><u>G16H 50 /-</u></b>	2021232252	2022215281
2021224768	2021240045	<b><u>H04N 19 /-</u></b>
2021267389	<b><u>H02G 3 /-</u></b>	2021244737
2021269069	2021272270	2021248840
<b><u>H01B 1 /-</u></b>	2021272652	<b><u>H04N 21 /-</u></b>
2021243748	<b><u>H02H 3 /-</u></b>	2021238807
<b><u>H01B 7 /-</u></b>	2020449613	2021243727
2021230355	<b><u>H02J 13 /-</u></b>	<b><u>H04Q 9 /-</u></b>
<b><u>H01H 83 /-</u></b>	2021228603	2021240818
2020449613	<b><u>H02J 15 /-</u></b>	<b><u>H04W 12 /-</u></b>
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2021278790	2021238365	2021236725
<b><u>H01L 51 /-</u></b>	2021290491	<b><u>H04W 4 /-</u></b>
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<b><u>H01M 10 /-</u></b>	2021240859	2021264963
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2021243748	2021226148	<b><u>H04W 48 /-</u></b>
<b><u>H01M 4 /-</u></b>	<b><u>H02M 1 /-</u></b>	2021236725
2021243748	2021245033	<b><u>H04W 72 /-</u></b>
<b><u>H01M 8 /-</u></b>	2020433062	2021236725
2021228408	2021245033	<b><u>H04W 76 /-</u></b>
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2021240859	2021228754	<b><u>H04W 88 /-</u></b>
2021246542	2021251560	2021264963
2022211781	2021254354	<b><u>H05B 6 /-</u></b>
<b><u>H01Q 1 /-</u></b>	<b><u>H02S 30 /-</u></b>	2021245993
2021272270	2021228754	2021248551
2021272652	<b><u>H04B 1 /-</u></b>	<b><u>H05H 1 /-</u></b>
<b><u>H01Q 21 /-</u></b>	2021263636	2021243406
2021263636	2021265724	<b><u>H05K 5 /-</u></b>
<b><u>H01R 13 /-</u></b>	<b><u>H04B 10 /-</u></b>	2022231801
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**A61K 31/439** ( 2006.01 )

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**A01P 3/00** ( 2006.01 )  
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**E05B 15/06** ( 2006.01 )  
**E05B 35/10** ( 2006.01 )  
**E05B 27/00** ( 2006.01 )  
**E05B 29/00** ( 2006.01 )  
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**C08J 5/18** ( 2006.01 )  
**C08K 3/34** ( 2006.01 )  
**C08L 23/02** ( 2006.01 )

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**(74)** Allens Patent & Trade Mark Attorneys

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**C22C 1/04** ( 2006.01 )  
**B22F 3/24** ( 2006.01 )  
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**(51)** Int. Cl.

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**A61K 47/10** ( 2017.01 )  
**A61K 47/20** ( 2006.01 )  
**A61K 47/22** ( 2006.01 )  
**A61P 17/04** ( 2006.01 )  
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**G06F 17/00** ( 2019.01 )  
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**G01N 15/14** ( 2006.01 )  
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**(54)** Device to locate site of intramuscular injection  
**(51)** Int. Cl.  
**A61M 5/42** ( 2006.01 )  
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 G01N 33/02 ( 2006.01 )  
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 G01N 33/08 ( 2006.01 )  
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 G01N 33/50 ( 2006.01 )  
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 F16F 9/00 ( 2006.01 )  
 F16F 15/00 ( 2006.01 )

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 G06T 7/00 ( 2017.01 )

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 A61N 1/36 ( 2006.01 )

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 (54) Resonant scanner interoperation with movable stage

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 G02B 21/36 ( 2006.01 )  
 G06K 9/00 ( 2006.01 )

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*C07K 14/47* ( 2006.01 )  
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*A23C 21/02* ( 2006.01 )  
*C07C 51/00* ( 2006.01 )  
*C08G 63/08* ( 2006.01 )  
*C12P 1/04* ( 2006.01 )  
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*A61K 31/454* ( 2006.01 )  
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 (74) Spruson & Ferguson

(71) Cellionbiomed Inc.  
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 (54) Composition for treating fibrotic diseases, comprising benzhydryl thioacetamide compound as active ingredient  
 (51) Int. Cl.  
*A61K 31/165* ( 2006.01 )  
*A23K 20/111* ( 2016.01 )  
*A23K 20/121* ( 2016.01 )  
*A23L 33/10* ( 2016.01 )  
*A61K 31/341* ( 2006.01 )  
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**Centre National de la Recherche Scientifique - CNRS see NH TherAguix**  
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*A61K 31/425* ( 2006.01 )  
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 (11) AU-B-2019362730  
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 (54) Injectable long-acting naltrexone micro-particle compositions  
 (51) Int. Cl.  
*A61K 9/16* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/50* ( 2006.01 )  
*A61K 31/485* ( 2006.01 )  
*A61P 25/30* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) Composition comprising dutasteride  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 31/58* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/12* ( 2006.01 )  
*A61K 47/14* ( 2017.01 )  
*A61K 47/20* ( 2006.01 )  
*A61K 47/22* ( 2006.01 )  
*A61P 5/24* ( 2006.01 )  
*A61P 13/08* ( 2006.01 )  
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(54) Tracking tainted connection agents  
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*G06F 21/44* ( 2013.01 )  
*G06F 21/33* ( 2013.01 )  
*G06F 21/53* ( 2013.01 )  
*G06F 21/55* ( 2013.01 )  
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*H04L 69/00* ( 2022.01 )  
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 (51) Int. Cl.  
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(51) Int. Cl.  
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*A61Q 11/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61C 17/22* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) Compagnie Generale Des Etablissements Michelin; Electricite De France  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
*A61M 5/168* ( 2006.01 )  
*A61M 5/172* ( 2006.01 )  
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*A61B 5/103* ( 2006.01 )  
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*A61B 17/56* ( 2006.01 )  
*A61F 5/01* ( 2006.01 )  
*A61H 1/00* ( 2006.01 )  
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**C07K 19/00** ( 2006.01 )  
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 Roland; Singh, Shweta  
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**(54)** Air conditioning indoor unit  
**(51)** Int. Cl.  
**F24F 13/20** ( 2006.01 )  
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**G09F 9/302** ( 2006.01 )  
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 ing and diagnosis of prostate cancer  
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**(74)** Davies Collison Cave Pty Ltd
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 Binding  
**(51)** Int. Cl.  
**A63C 10/20** ( 2012.01 )  
**A63C 10/14** ( 2012.01 )  
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 MARQUIS, Hugh; CRAIG, Harrison  
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**(51)** Int. Cl.  
**B60J 11/08** ( 2006.01 )  
**E04F 10/06** ( 2006.01 )  
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 PREPARATION COMPRISING STABIL-  
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**(51)** Int. Cl.  
**A61K 9/70** ( 2006.01 )  
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 cess control devices at an installation  
 site  
**(51)** Int. Cl.  
**G07C 9/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** Topical composition comprising tac-  
 rolimus  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
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**A61K 47/06** ( 2006.01 )  
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**(31)** 16163724.4 **(32)** 04.04.16 **(33)** EP  
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 University  
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**(21)** 2017278300 **(22)** 12.06.2017  
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 applications and methods of manufac-  
 turing the same  
**(51)** Int. Cl.  
**D04B 21/00** ( 2006.01 )  
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**D04B 21/12** ( 2006.01 )  
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 Ward, Don; Rust, Jon  
**(74)** Griffith Hack
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 portion  
**(51)** Int. Cl.  
**B26B 21/52** ( 2006.01 )  
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 tion  
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**A62D 3/38** ( 2007.01 )  
**F02B 7/06** ( 2006.01 )

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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Elanco Tiergesundheit AG  
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**(54)** Bicyclic derivatives  
**(51)** Int. Cl.

**C07D 311/68** ( 2006.01 )  
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**A61P 33/10** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
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 RAGEOT, Denise; TAHTAOUI, Chouaib  
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**(71)** ELC Management LLC  
**(11)** AU-B-2019440428  
**(21)** 2019440428 **(22)** 10.04.2019  
**(54)** Reconfigurable container-closure system  
**(51)** Int. Cl.  
**A45D 34/02** ( 2006.01 )  
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**(72)** CHEN, Yun  
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**(71)** ELC Management LLC  
**(11)** AU-B-2020219720  
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**(54)** Aqueous perfume compositions  
**(51)** Int. Cl.  
**A61K 8/81** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61Q 13/00** ( 2006.01 )  
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**(71)** Elekta AB (publ)  
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**(54)** Dose guided real-time adaptive radiotherapy  
**(51)** Int. Cl.  
**A61N 5/10** ( 2006.01 )  
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 Marcks  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-B-2017249078  
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**(54)** Combination therapy with notch and CDK4/6 inhibitors for the treatment of cancer  
**(51)** Int. Cl.  
**A61K 31/444** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
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**(54)** Medication delivery device with sensing system  
**(51)** Int. Cl.  
**A61M 5/315** ( 2006.01 )  
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**(31)** 62/811,194 **(32)** 27.02.19 **(33)** US  
**(43)** 03.09.2020  
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**(72)** CONNAUGHTON, Eoin Patrick;  
 LAURENZI, Brendan Francis;  
 LAWLOR, Vincent Patrick Thomas;  
 MURPHY, Patrick Kevin; PSZENNY,  
 Sean Matthew; REGELE, Oliver Brian  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Enaex S.A.  
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**(54)** Metallic mixture blasting capsule  
**(51)** Int. Cl.  
**C06B 33/12** ( 2006.01 )  
**C06B 23/00** ( 2006.01 )  
**C06C 9/00** ( 2006.01 )  
**F42D 3/04** ( 2006.01 )  
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**(72)** ASECIO, Claudio Nunez; KIM, Chulwon; KIM, Sung Kook  
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**(71)** Endostart s.r.l.  
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**(54)** Endoscopic guide, in particular for colonoscopy, and system for endoscopy comprising such a guide  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 1/01** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
**A61M 25/04** ( 2006.01 )  
**A61M 25/09** ( 2006.01 )  
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 102017000002740 12.01.17 IT  
**(43)** 19.07.2018  
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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Enerox GmbH  
**(11)** AU-B-2017358721  
**(21)** 2017358721 **(22)** 09.11.2017  
**(54)** Termination assembly of a cell stack of a redox flow battery  
**(51)** Int. Cl.  
**H01M 8/18** ( 2006.01 )  
**H01M 8/0206** ( 2016.01 )  
**H01M 8/0228** ( 2016.01 )  
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**(21)** 2017242009 **(22)** 29.03.2017  
**(54)** Electrolyte for rechargeable electrochemical cell  
**(51)** Int. Cl.  
**H01M 10/36** ( 2006.01 )  
**H01M 12/08** ( 2006.01 )  
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**(71)** Epishine AB  
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**(54)** Laminated solar cell module and method of manufacturing said module  
**(51)** Int. Cl.  
**H01L 51/44** ( 2006.01 )  
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**(31)** 17156944.5 **(32)** 20.02.17 **(33)** EP  
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 (21) 2017320458 (22) 05.07.2017  
 (54) Marine installation  
 (51) Int. Cl.  
     E21B 17/01 (2006.01)  
     E21B 17/10 (2006.01)  
     F16L 57/06 (2006.01)  
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 (31) 1614811.6 (32) 01.09.16 (33) GB  
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 (44) 20.10.2022  
 (72) Kristoffersen, Steinar  
 (74) FB Rice Pty Ltd

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 (54) Subsea assembly modularisation  
 (51) Int. Cl.  
     E21B 41/00 (2006.01)  
     E02D 27/10 (2006.01)  
     E02D 27/50 (2006.01)  
     E02D 27/52 (2006.01)  
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 (21) 2020286241 (22) 09.12.2020  
 (54) Arc stop  
 (51) Int. Cl.  
     B23K 10/00 (2006.01)  
     B23K 9/095 (2006.01)  
 (43) 07.01.2021  
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*B65B 39/00* ( 2006.01 )  
*B65B 39/12* ( 2006.01 )  
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**(54)** ROCK BOLT  
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*A61K 31/425* ( 2006.01 )  
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*A61K 8/21* ( 2006.01 )  
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*A61K 8/64* ( 2006.01 )  
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*A61P 1/02* ( 2006.01 )  
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**(54)** A location determination method and system  
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*H04W 8/24* ( 2009.01 )  
*G01C 21/26* ( 2006.01 )  
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*B01J 20/08* ( 2006.01 )  
*B01J 41/10* ( 2006.01 )  
*C02F 1/42* ( 2006.01 )  
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 (54) SENSOR DEVICE AND SYSTEM  
 (51) Int. Cl.  
*G01D 11/24* ( 2006.01 )  
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*C08G 18/24* ( 2006.01 )  
*C04B 26/16* ( 2006.01 )  
*C04B 40/00* ( 2006.01 )  
*C08F 290/06* ( 2006.01 )  
*C08G 18/62* ( 2006.01 )  
*C08G 18/67* ( 2006.01 )  
*C08G 18/76* ( 2006.01 )  
*C08K 5/00* ( 2006.01 )  
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 (54) Device and method for providing a quality of service function  
 (51) Int. Cl.  
**H04W 28/18** ( 2009.01 )  
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**H04N 19/80** ( 2014.01 )  
**H04N 19/129** ( 2014.01 )  
**H04N 19/60** ( 2014.01 )  
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 (51) Int. Cl.  
**H04B 7/0413** ( 2017.01 )  
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**H03M 7/30** ( 2006.01 )  
**H04L 67/00** ( 2022.01 )  
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**H04W 74/08** ( 2009.01 )  
**H04W 72/04** ( 2009.01 )  
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 (21) 2021229180 (22) 08.09.2021  
 (54) Search region for motion vector refinement  
 (51) Int. Cl.  
**H04N 19/56** ( 2014.01 )  
**H04N 19/46** ( 2014.01 )  
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 (21) 2020433708 (22) 16.11.2020  
 (54) Transmitter device  
 (51) Int. Cl.  
**G01D 11/24** ( 2006.01 )  
**A01G 25/16** ( 2006.01 )  
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*A61P 19/00* ( 2006.01 )  
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 itate electrical device charging and/or  
 operation  
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**H01R 25/00** ( 2006.01 )  
**H01R 25/16** ( 2006.01 )  
**H01R 27/02** ( 2006.01 )  
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**A43B 13/18** ( 2006.01 )  
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**E01B 27/00** ( 2006.01 )  
**B61D 15/00** ( 2006.01 )  
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**A01N 59/26** ( 2006.01 )  
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**C01F 1/00** ( 2006.01 )  
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 (51) Int. Cl.  
*H04L 69/30* ( 2022.01 )  
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 (51) Int. Cl.  
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*A61K 31/137* ( 2006.01 )  
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*A61K 31/40* ( 2006.01 )  
*A61K 31/445* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 25/14* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
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 (43) 17.08.2017  
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 (72) Roman, François J.; Meunier, Johann  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.  
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 (54) Methods and systems for measuring and modeling spaces using markerless photo-based augmented reality process  
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*G06T 19/00* ( 2011.01 )  
*G01S 17/89* ( 2020.01 )  
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*G06T 17/00* ( 2006.01 )  
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 (51) Int. Cl.  
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 (74) Griffith Hack

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 (21) 2017384159 (22) 18.12.2017  
 (54) A beverage product with free divalent cations protein aggregation and a method producing thereof  
 (51) Int. Cl.  
*A23C 3/02* ( 2006.01 )  
*A23C 9/15* ( 2006.01 )  
*A23C 9/152* ( 2006.01 )  
*A23C 9/154* ( 2006.01 )  
*A23C 9/156* ( 2006.01 )  
*A23G 1/44* ( 2006.01 )  
*A23G 1/56* ( 2006.01 )  
*A23J 1/20* ( 2006.01 )  
*A23L 2/38* ( 2006.01 )  
*A23L 2/46* ( 2006.01 )  
*A23L 2/56* ( 2006.01 )  
*A23L 2/58* ( 2006.01 )  
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 Schneider, Margaret; Rousset, Philippe;  
 Vaghela, Madansinh Nathusinh  
**(74)** Spruson & Ferguson

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**(11)** AU-B-2018311573  
**(21)** 2018311573 **(22)** 12.07.2018  
**(54)** Hydrophobic vinylamine-containing  
 polymer compositions and their use in  
 papermaking applications  
**(51)** Int. Cl.  
*D21H 17/37* ( 2006.01 )  
*D21H 21/10* ( 2006.01 )  
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**(31)** 62/538,859 **(32)** 31.07.17 **(33)** US  
 16/032,775 11.07.18 US  
**(43)** 07.02.2019  
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 L.; HUYNH-BA, Josette Servals; KO-  
 VACS, Patrick; LEWIS, Ashley  
**(74)** AJ PARK

**(71)** SOLENIS TECHNOLOGIES CAYMAN,  
 L.P.  
**(11)** AU-B-2017343495  
**(21)** 2017343495 **(22)** 04.10.2017  
**(54)** New antifoam formulations for the  
 thermal desalination process of water  
**(51)** Int. Cl.  
*B01D 19/04* ( 2006.01 )  
*C02F 1/68* ( 2006.01 )  
*C02F 103/08* ( 2006.01 )  
**(87)** WO2018/069111  
**(31)** 16193125.8 **(32)** 10.10.16 **(33)** EP  
**(43)** 19.04.2018  
**(44)** 20.10.2022  
**(72)** Nied, Stephan; Kondardi, Helena; Win-  
 zen, Lisa Marie  
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**(11)** AU-B-2017387992  
**(21)** 2017387992 **(22)** 19.12.2017  
**(54)** Transmission device, transmission  
 method, reception device, and recep-  
 tion method  
**(51)** Int. Cl.  
*H04N 21/236* ( 2011.01 )  
*H04H 20/28* ( 2008.01 )  
*H04H 60/07* ( 2008.01 )  
*H04H 60/13* ( 2008.01 )  
*H04N 21/242* ( 2011.01 )  
*H04N 21/43* ( 2011.01 )  
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**(72)** Tsukagoshi, Ikuo  
**(74)** Spruson & Ferguson

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**(71)** Spax International Gmbh & Co. Kg  
**(11)** AU-B-2017294325  
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**(54)** Plug screw  
**(51)** Int. Cl.  
*F16B 25/10* ( 2006.01 )  
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**(87)** WO2018/007069  
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 20 2017 100 612.3 06.02.17 DE  
**(43)** 11.01.2018  
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**(72)** Langewiesche, Frank  
**(74)** Collison & Co

**(71)** Spraying Systems Co.  
**(11)** AU-B-2017326640  
**(21)** 2017326640 **(22)** 19.09.2017  
**(54)** Spray nozzle assembly with one piece  
 spray nozzle and quick disconnect re-  
 tention cap  
**(51)** Int. Cl.  
*B05B 1/20* ( 2006.01 )  
*A01G 25/09* ( 2006.01 )  
*B05B 1/14* ( 2006.01 )  
**(87)** WO2018/053494  
**(31)** 62/396,641 **(32)** 19.09.16 **(33)** US  
**(43)** 22.03.2018  
**(44)** 20.10.2022  
**(72)** Bolman, Bart R.  
**(74)** Spruson & Ferguson

**(71)** Steeper Energy Aps  
**(11)** AU-B-2018217930  
**(21)** 2018217930 **(22)** 08.02.2018  
**(54)** Pressurization system for high pressure  
 processing system  
**(51)** Int. Cl.  
*G05D 16/20* ( 2006.01 )  
**(87)** WO2018/146193  
**(31)** PA201770076 **(32)** 08.02.17 **(33)** DK  
**(43)** 16.08.2018  
**(44)** 20.10.2022  
**(72)** Iversen, Steen Brummerstedt; Egholm,  
 Henrik  
**(74)** Pizzeyes Patent and Trade Mark Attor-  
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**(11)** AU-B-2018365312  
**(21)** 2018365312 **(22)** 09.11.2018  
**(54)** Modular processing system  
**(51)** Int. Cl.  
*C10G 3/00* ( 2006.01 )  
*C10G 1/00* ( 2006.01 )  
*C10G 31/06* ( 2006.01 )  
*C10G 53/16* ( 2006.01 )  
**(87)** WO2019/092174  
**(31)** PA 2017 70842 **(32)** 09.11.17 **(33)** DK  
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**(72)** IVERSEN, Steen Brummerstedt  
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**(71)** STRYKER EUROPEAN OPERATIONS  
 HOLDINGS LLC  
**(11)** AU-B-2021200947  
**(21)** 2021200947 **(22)** 12.02.2021  
**(54)** SYSTEMS AND METHODS FOR PER-  
 CUTANEOUS SPINAL FUSION  
**(51)** Int. Cl.  
*A61B 17/88* ( 2006.01 )  
**(43)** 11.03.2021  
**(44)** 20.10.2022  
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**(72)** REITBLAT, Abram; TALIJAN, David;  
 STEIN, Joshua; SHARIFI-MEHR, Amir  
 Ali  
**(74)** IP GATEWAY PATENT & TRADE  
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**(71)** Sumitomo Pharma Oncology, Inc.  
**(11)** AU-B-2020223731  
**(21)** 2020223731 **(22)** 27.08.2020  
**(54)** JAK2 and ALK2 inhibitors and methods  
 for their use  
**(51)** Int. Cl.  
*C07D 239/48* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
**(43)** 17.09.2020  
**(44)** 20.10.2022  
**(62)** 2018256624  
**(72)** Mollard, Alexis; Warner, Steven L.;  
 Flynn, Gary A.; Vankayalapati, Hari-  
 prasad; Bearss, David J.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Swiss Transportation Research Institute  
 AG  
**(11)** AU-B-2017222718  
**(21)** 2017222718 **(22)** 20.02.2017  
**(54)** Point switch, and railway network com-  
 prising at least one point switch of said  
 type  
**(51)** Int. Cl.  
*E01B 2/00* ( 2006.01 )  
*E01B 25/12* ( 2006.01 )  
*E01B 25/28* ( 2006.01 )  
*B61J 1/08* ( 2006.01 )  
*E01B 25/34* ( 2006.01 )  
**(87)** WO2017/143463  
**(31)** 0233/16 **(32)** 22.02.16 **(33)** CH  
**(43)** 31.08.2017  
**(44)** 20.10.2022  
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 Aurelius Christian; Bahman, Severin  
 Alexis  
**(74)** AJ PARK

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**(11)** AU-B-2016318136  
**(21)** 2016318136 **(22)** 02.09.2016  
**(54)** Selection of patients for combination  
 therapy  
**(51)** Int. Cl.  
*G01N 33/574* ( 2006.01 )  
*C07C 223/06* ( 2006.01 )  
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**(21)** 2018200338 **(22)** 15.01.2018  
**(54)** Secure data exchange by voice in tele-  
 phone calls

**(51)** Int. Cl.  
**H04K 1/06** ( 2006.01 )  
**G10L 21/00** ( 2013.01 )  
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 62/450,247 25.01.17 US  
**(43)** 09.08.2018  
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**(72)** Westlake, Colin Philip  
**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2019337661  
**(21)** 2019337661 **(22)** 13.09.2019  
**(54)** Composition and method for forming  
 multilayer edible pet product

**(51)** Int. Cl.  
**A23K 40/20** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23K 50/00** ( 2016.01 )  
**A23K 50/40** ( 2016.01 )  
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**A23K 50/45** ( 2016.01 )  
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**(87)** WO2020/056219  
**(31)** 62/731,324 **(32)** 14.09.18 **(33)** US  
**(43)** 19.03.2020  
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**(72)** AXELROD, Glen S.; WILLIAMS, Terry  
**(74)** IP GATEWAY PATENT & TRADE  
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**(11)** AU-B-2020249624  
**(21)** 2020249624 **(22)** 18.02.2020  
**(54)** An apparatus and a method for QT cor-  
 rection  
**(51)** Int. Cl.  
**A61B 5/364** ( 2021.01 )  
**A61B 5/352** ( 2021.01 )  
**A61B 5/366** ( 2021.01 )  
**(87)** WO2020/193843  
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**(43)** 01.10.2020  
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**(72)** POTAPOV, Ilya; RÄSÄNEN, Esa;  
 AALTO-SETÄLÄ, Katriina  
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**(54)** Methods and means for evaluating and  
 monitoring formation creep and shale  
 barriers using ionizing radiation  
**(51)** Int. Cl.  
**G01V 5/12** ( 2006.01 )  
**(87)** WO2019/213580  
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 62/666,440 03.05.18 US  
**(43)** 07.11.2019  
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**(72)** TEAGUE, Philip; SPANNUTH, Melissa;  
 PIROVOLOU, Dimitrios  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2018211384  
**(21)** 2018211384 **(22)** 24.01.2018  
**(54)** Method for controlling a flexible line and  
 associated control device  
**(51)** Int. Cl.  
**G01N 27/24** ( 2006.01 )  
**(87)** WO2018/138151  
**(31)** 1700061 **(32)** 24.01.17 **(33)** FR  
**(43)** 02.08.2018  
**(44)** 20.10.2022  
**(72)** Nicolas, Yann; Decitre, Jean-Marc;  
 Pucci, Laure; Premel, Denis  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Telefonaktiebolaget LM Ericsson (publ)  
**(11)** AU-B-2018442113  
**(21)** 2018442113 **(22)** 18.09.2018  
**(54)** Model based path selection in a  
 bluetooth low energy, BLE, mesh net-  
 work  
**(51)** Int. Cl.  
**H04W 40/12** ( 2009.01 )  
**H04W 40/24** ( 2009.01 )  
**(87)** WO2020/057724  
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**(72)** ARVIDSON, Pontus; DI MARCO, Pier-  
 giuseppe; SKILLERMARK, Per  
**(74)** AJ PARK

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 (PUBL)  
**(11)** AU-B-2019356425  
**(21)** 2019356425 **(22)** 08.10.2019  
**(54)** Defining a condition based on a refer-  
 ence time interval  
**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04L 5/00** ( 2006.01 )  
**(87)** WO2020/076226  
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**(72)** NIMBALKER, Ajit; CHENG, Jung-Fu  
**(74)** FB Rice Pty Ltd

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 wealth System of Higher Education  
**(11)** AU-B-2020264257  
**(21)** 2020264257 **(22)** 02.11.2020  
**(54)** Methods and compositions for RNA-  
 guided treatment of HIV infection

**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**(43)** 26.11.2020  
**(44)** 20.10.2022  
**(62)** 2014312123  
**(72)** KHALILI, Kamel; HU, Wenhui  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Tempres Technologies, Inc.  
**(11)** AU-B-2017221830  
**(21)** 2017221830 **(22)** 31.08.2017  
**(54)** Hydraulic pulse valve with improved  
 wear life and performance  
**(51)** Int. Cl.  
**E21B 34/10** ( 2006.01 )  
**E21B 34/08** ( 2006.01 )  
**(31)** 62/394,478 **(32)** 14.09.16 **(33)** US  
 15/685,271 24.08.17 US  
**(43)** 29.03.2018  
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**(72)** Theimer, Anthony R.; Kolle, Jack J.  
**(74)** Allens Patent & Trade Mark Attorneys

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**(71)** TEXTRON SYSTEMS CORPORATION  
**(11)** AU-B-2018410237  
**(21)** 2018410237 **(22)** 24.07.2018  
**(54)** Cased telescoped ammunition firearm  
 with headspace reduction  
**(51)** Int. Cl.  
**F41A 9/45** ( 2006.01 )  
**F41A 3/26** ( 2006.01 )  
**F41A 3/30** ( 2006.01 )  
**F41A 9/23** ( 2006.01 )  
**F41A 21/12** ( 2006.01 )  
**F41A 5/18** ( 2006.01 )  
**F42B 5/045** ( 2006.01 )  
**(87)** WO2019/164543  
**(31)** 62/536,448 **(32)** 24.07.17 **(33)** US  
 62/536,445 24.07.17 US  
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**(43)** 29.08.2019  
**(44)** 20.10.2022  
**(72)** SHIPLEY, Paul Andrew; HABI AK,  
 Gregory Paul; COLE, Benjamin Tyler;  
 RUCK, Joshua Stephen  
**(74)** Pizzeyes Patent and Trade Mark Attor-  
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**(71)** Tgx Soft Chew, Llc  
**(11)** AU-B-2018307726  
**(21)** 2018307726 **(22)** 24.07.2018  
**(54)** Starch-free soft chew for veterinary ap-  
 plications  
**(51)** Int. Cl.  
**A61K 9/20** ( 2006.01 )  
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**(72)** MCDONNELL, Kevin; ROSSI, Joanna;  
 ECCLES, Scott; PUCHKAROV, Gueor-  
 gui  
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 (54) Method and system for imaging at high and low light levels  
 (51) Int. Cl.  
*H04N 5/343* (2011.01)  
*G01J 1/44* (2006.01)  
*H04N 5/335* (2011.01)  
*H04N 5/351* (2011.01)  
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(71) The Boeing Company  
 (11) AU-B-2017228713  
 (21) 2017228713 (22) 15.09.2017  
 (54) System and method for increasing the efficiency of heating a cryogenic fluid flowing through a conduit  
 (51) Int. Cl.  
*F02K 9/58* (2006.01)  
*B64G 1/40* (2006.01)  
 (31) 15/351,062 (32) 14.11.16 (33) US  
 (43) 31.05.2018  
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 (72) SWENSON, Kevin; VANIMAN, Brian  
 (74) Spruson & Ferguson

(71) The Boeing Company  
 (11) AU-B-2017248472  
 (21) 2017248472 (22) 18.10.2017  
 (54) Wing flap deflection control removal  
 (51) Int. Cl.  
*B64C 3/38* (2006.01)  
*B64C 23/00* (2006.01)  
*B64F 5/00* (2017.01)  
 (31) 15/386,211 (32) 21.12.16 (33) US  
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(71) The Boeing Company  
 (11) AU-B-2017268607  
 (21) 2017268607 (22) 30.11.2017  
 (54) Single axle, semi-levered landing gear with shortening mechanism  
 (51) Int. Cl.  
*B64C 25/60* (2006.01)  
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*B64C 25/34* (2006.01)  
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 (72) COTTET, Justin D.; MELLOR, Mitchell; DRAKE, Michael L.; SONNENBURG, George  
 (74) FB Rice Pty Ltd

(71) The General Hospital Corporation  
 (11) AU-B-2017348423  
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 (54) Systems and methods for assembling tissue grafts  
 (51) Int. Cl.  
*A61B 17/322* (2006.01)  
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 (31) 62/478,207 (32) 29.03.17 (33) US  
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 (43) 03.05.2018  
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2016257929	Cytomx Therapeutics, Inc	2017326744	8I Research Development Pty Ltd
2016277554	Formulater Pty. Ltd.	2017332260	Bracco Diagnostics Inc.
2016318136	Syndax Pharmaceuticals, Inc.	2017338773	Baxter International Inc.; Baxter Healthcare SA
2016334086	CorMedix Inc.	2017341708	Caliber Imaging & Diagnostics, Inc.
2016352943	Ablynx NV	2017342551	BCN Biosciences L.L.C.
2016366200	TherapeuticsMD, Inc.	2017343495	SOLENIS TECHNOLOGIES CAYMAN, L.P.
2016367119	ATI Properties LLC	2017346746	Smith & Nephew, Inc.
2016369557	Regeneron Pharmaceuticals, Inc.	2017347152	National Oilwell Varco Denmark I/S
2016381164	Dana-Farber Cancer Institute, Inc.	2017348423	The General Hospital Corporation
2016384317	Cambridge Enterprise Limited	2017353938	White Swell Medical Ltd
2016411106	GEA Process Engineering A/S	2017354169	Rovi Guides, Inc.
2016413531	Biolog-id	2017358721	Enerox GmbH
2016423177	Halliburton Energy Services, Inc.	2017369998	Luigi Lavazza S.p.A.
2016429770	Halliburton Energy Services, Inc.	2017375633	Salk Institute for Biological Studies
2017200487	GE Oil & Gas, Inc	2017375901	Primingtec UG (haftungsbeschränkt)
2017201094	James Hardie Technology Limited	2017377216	Toray Industries, Inc.
2017201806	Garock Pty Ltd	2017378381	AGCO Corporation
2017202217	MRM HK Limited	2017378442	Biomerica, Inc.
2017205706	Maxion Therapeutics Limited	2017379547	Equinor Energy AS
2017218592	Sigmathera SAS	2017379867	Illumina, Inc.
2017219124	Schneider Electric Industries SAS	2017381402	Russell Mineral Equipment Pty Ltd
2017221830	Tempress Technologies, Inc.	2017382582	Zdroje Zeme a.s.
2017222673	Plae Co.	2017382784	Kimberly-Clark Worldwide, Inc.
2017222718	Swiss Transportation Research Institute AG	2017384159	Société des Produits Nestlé S.A.
2017222997	Safelink AS	2017387992	Sony Corporation
2017228713	The Boeing Company	2017392146	Franklin Sensors Inc.
2017230317	Nissin Dental Products Inc	2017393409	Nanjing Ruiqihuang Electronic Technology Co., Ltd.
2017233886	Oryzon Genomics, S.A.	2017402634	Raytheon Company
2017235786	Weatherford U.K. Limited	2017412349	NTT DOCOMO, INC.
2017240157	Sage Therapeutics, Inc.	2017421192	Halliburton Energy Services, Inc.
2017242009	EOS Energy Technology Holdings, LLC	2018200338	Syntec Holdings Limited
2017246058	Plasser & Theurer Export Von Bahnbaumaschinen Gesellschaft m.b.H.	2018200799	Deere & Company
2017246449	Gogo Business Aviation LLC	2018201259	CDE Global Limited
2017246762	Toray Industries, Inc.	2018208034	Endostart s.r.l.
2017247677	Sensome	2018211384	Technip France
2017247963	Drug Delivery Solutions Limited	2018217436	E I M Research Pty Ltd
2017248472	The Boeing Company	2018217930	Steeper Energy Aps
2017249052	NCH Corporation	2018219255	BNNT, LLC
2017249078	Eli Lilly and Company	2018219603	Schreder S.A.
2017249439	AP&C Advanced Powders & Coatings Inc.	2018221851	Epishine AB
2017251734	Howmedica Osteonics Corp.	2018227057	MeiraGTx, UK II Limited
2017254304	Samsung Electronics Co., Ltd.	2018228275	World Wide Window Cleaning Supplies IP Pty Ltd
2017260381	FourPhase As	2018240118	Milwaukee Electric Tool Corporation
2017260578	Farthing Technology Pty Ltd	2018247281	KDB INTELLECTUAL PTY LTD
2017262380	Safelink AS	2018269661	CEFALY Technology SPRL
2017268607	The Boeing Company	2018273290	Asahi Group Holdings, Ltd.
2017275425	Becton Dickinson Rowa Germany GmbH	2018283811	Janssen Vaccines & Prevention B.V.; Bavarian Nordic A/S
2017275647	Valent BioSciences LLC	2018286589	CyMedica, Inc.
2017278300	Duke University; North Carolina State University	2018289655	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2017280954	Veltek Associates, Inc.	2018291959	AFL Telecommunications LLC
2017283005	CRH Concrete A/S	2018292176	Norwegian University of Science and Technology (NTNU)
2017284797	dormakaba Switzerland Ltd	2018299767	Hilti Aktiengesellschaft
2017286544	Meharry Medical College	2018307726	Tgx Soft Chew, Llc
2017293799	Cala Health, Inc.	2018311573	Solenis Technologies, L.P.
2017294325	Spax International GmbH & Co. Kg	2018315649	Sakata Inx Corporation
2017303820	Angany Inc.	2018321114	Newclip International
2017304413	Samsung Electronics Co., Ltd.	2018332394	Samsung Electronics Co., Ltd.
2017309950	Frito-Lay Trading Company GmbH	2018334467	Phoenix Biotechnology, Inc.
2017314988	Robert Bosch GmbH	2018337153	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Li-anyungang Runzhong Pharmaceutical Co., Ltd.; Centaurus Biopharma Co., Ltd.
2017316584	Edgewell Personal Care Brands, LLC	2018347740	NH TherAguix; Universite Claude Bernard Lyon 1; Centre National de la Recherche Scientifique - CNRS
2017317351	Nissan Chemical Corporation; Tokyo Metropolitan University	2018353833	Raytheon Company
2017318590	Lucas, K.		
2017319511	Rovi Guides, Inc.		
2017320458	Equinor Energy AS		
2017321488	The Regents of the University of California		

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2018360432	Unicharm Corporation	2020204387	KDB INTELLECTUAL PTY LTD
2018365312	Steeper Energy ApS	2020205090	Citrix Systems, Inc.
2018367404	Shockwave Medical, Inc.	2020206992	Citrix Systems, Inc.
2018387689	Thales	2020210312	Neupharma, Inc.
2018400760	Qualcomm Incorporated	2020211890	W.L. Gore & Associates, Inc.
2018410014	Enaex S.A.	2020213293	Climate LLC
2018410237	TEXTRON SYSTEMS CORPORATION	2020213320	President and Fellows of Harvard College
2018421351	Brentwood Industries, Inc.	2020213396	Beckman Coulter, Inc.
2018440936	W. L. Gore & Associates, Inc.	2020213400	The Nielsen Company (US), LLC
2018441631	Huawei Technologies Co., Ltd.	2020214064	Shandong Xuanzhu Pharma Co., Ltd.; Xuanzhu Biopharmaceutical Co., Ltd.
2018442113	Telefonaktiebolaget LM Ericsson (publ)	2020214893	Huawei Technologies Co., Ltd.
2019214499	First Subsea Limited	2020217975	Compagnie Generale Des Etablissements Michelin; Electricite De France
2019235617	Locata Corporation Pty Ltd	2020219720	ELC Management LLC
2019237520	Blue Skies Global LLC	2020220777	Giken Ltd.
2019249392	Sami Labs Limited	2020220922	Huawei Technologies Co., Ltd.
2019254734	Konecranes Global Corporation	2020221809	Amber Kinetics, Inc.
2019256788	CellCentric Ltd	2020222023	SGL Carbon SE
2019262636	Teague, P.; Spannuth, M.; Pirovolou, D.	2020223731	Sumitomo Pharma Oncology, Inc.
2019270109	IFlyTek Co., Ltd.	2020224218	Wuxi Hisky Medical Technologies Co., Ltd.
2019275890	Protechna S.A.	2020224564	Atricon AB
2019282971	Global Energy Co., Ltd.	2020224691	Capro-X, Inc.
2019292378	LG Electronics Inc.	2020226597	Alfa Laval Corporate AB
2019298855	Huawei Technologies Co., Ltd.	2020227077	Arixa Pharmaceuticals, Inc.
2019311658	Alteogen, Inc	2020228579	Eli Lilly and Company
2019321640	IDAC Holdings, Inc.	2020231947	JFE Steel Corporation
2019333557	Nicoventures Trading Limited	2020232196	Becton, Dickinson and Company
2019333661	Bridgestone Corporation	2020233286	Mercy Bioanalytics, Inc.
2019337584	Daktronics, Inc.	2020233601	Illumina, Inc.
2019337661	T.F.H. Publications, Inc.	2020233608	KOREA GAS CORPORATION
2019338708	Medacta International SA	2020237440	Arixa Pharmaceuticals, Inc.
2019338896	Cellionbiomed Inc.	2020239708	MannKind Corporation
2019345516	Phytovent BioPharma	2020244527	Atarfil, S.L.
2019349437	Rockwell Collins Deutschland GmbH	2020244554	Verrica Pharmaceuticals, Inc.
2019349824	Boston Scientific Neuromodulation Corporation	2020249624	Tampere University Foundation sr
2019355854	HOWMEDICA OSTEOICS CORP.	2020251051	NewSouth Innovations Pty Limited
2019355988	W. L. Gore & Associates, Inc.	2020257057	Qvinci Software, LLC
2019356425	Telefonaktiebolaget LM Ericsson (PUBL)	2020258178	Yoshino Gypsum Co., Ltd.
2019356483	Qualcomm Incorporated	2020258452	Azora Therapeutics, Inc.
2019358744	Mitsubishi Heavy Industries Engineering, Ltd.	2020260532	Architectural Window Systems Pty Ltd
2019362730	Chong Kun Dang Pharmaceutical Corp.; Purdue Research Foundation	2020264257	Temple University of the Commonwealth System of Higher Education
2019369205	NEC Platforms, Ltd.	2020266362	VPIX Medical Incorporation
2019382779	Albert-Ludwigs-Universität Freiburg	2020270457	GB006, Inc.
2019385989	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shirui Electronics Co. Ltd.	2020273282	Akebia Therapeutics, Inc.
2019392231	Shanghai Institute of Materia Medica, Chinese Academy of Sciences	2020274025	Smart Picture Technologies, Inc.
2019395549	Chong Kun Dang Pharmaceutical Corp.	2020274863	Elekta AB (publ)
2019397261	Waymo LLC	2020277282	Joy Global Underground Mining LLC
2019400002	Qu, H.	2020281082	Boston Scientific Scimed, Inc.
2019401442	Elanco Tiergesundheits AG	2020286241	ESAB AB
2019401968	3M Innovative Properties Company	2020286320	Nantong University
2019403607	LG Chem, Ltd.	2020289963	Siemens Mobility GmbH
2019404523	Nippon Telegraph and Telephone Corporation	2020334589	McQuay Air Conditioning and Refrigeration (Wuhan) Co., Ltd.
2019405846	Dong-A ST Co., Ltd.; KM Transderm Ltd.	2020379170	Ceidos SA
2019411707	Simple Tokyo Co., Ltd.	2020381444	Intuit Inc.
2019417437	Colgate-Palmolive Company	2020386264	i-SENS, Inc.
2019418354	GACW Incorporated	2020389479	Foshan Ideal Co., Ltd.
2019418405	Uipco, LLC	2020393812	Eyesafe Inc.
2019421319	Huawei Technologies Co., Ltd.	2020412568	Motorola Solutions, Inc.
2019422569	Yan, G.	2020415903	Kylonova (Xiamen) Biopharma Co., Ltd.
2019424805	Weber-Stephen Products LLC	2020433708	Husqvarna AB
2019430917	Medacta International SA	2021200350	Colgate-Palmolive Company
2019436811	Mitsubishi Electric Corporation	2021200374	University of Virginia Patent Foundation
2019438654	Oriental (Luzhou) Agrochemicals Co., Ltd.	2021200455	Geomoby Pty Ltd
2019440428	ELC Management LLC	2021200934	Transportation IP Holdings, LLC
2020201108	Foundation Medicine, Inc.	2021200947	STRYKER EUROPEAN OPERATIONS HOLDINGS LLC
2020201129	Apple Inc.	2021201219	OE Electrics Limited
2020201324	FISHER & PAYKEL HEALTHCARE LIMITED	2021201244	FORMA Therapeutics, Inc.
2020201828	Becton, Dickinson and Company	2021201424	NOVARTIS AG
2020201850	Shanghai Ocean University		
2020202241	Pioneer Hi-Bred International, Inc.		



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2021201589 InCube Labs, LLC  
2021201792 Applied Medical Resources Corporation  
2021201922 Graver Technologies LLC  
2021202798 J&M Shuler Medical, Inc.  
2021203066 Daikin Industries, Ltd.  
2021203574 Snap-on Incorporated  
2021204712 LIXMA TECH CO., LTD.  
2021204823 Schneider Electric Industries SAS  
2021204979 Auris Health, Inc.  
2021206789 ASSA ABLOY Opening Solutions Sweden AB  
2021215236 Jewellery by Lisa Kennedy  
2021218035 iprotex GmbH & Co. KG  
2021218096 Illumina Cambridge Limited; Illumina, Inc.  
2021218110 Commonwealth Scientific and Industrial Research Organisation  
2021221582 The Scripps Research Institute  
2021221821 DLT Group Pty Ltd  
2021221890 CRISI Medical Systems, Inc.  
2021227304 Airbus Defence and Space SAS  
2021229180 Huawei Technologies Co., Ltd.  
2021231387 Airbus Defence and Space SAS  
2021232731 GC Laboratory America Inc.  
2021236566 Qingdao University of Technology; Shanghai Jinzhao Energy Saving Technology Co.,Ltd.; Shanxi Jinzhao Aviation Technology Co., Ltd.  
2021236567 Qingdao University of Technology; Shanghai Jinzhao Energy Saving Technology Co.,Ltd.; Shanxi Jinzhao Aviation Technology Co., Ltd.  
2021243493 Magotteaux International S.A.  
2021254532 Q GOLF LTD  
2021274083 Agence Francaise pour le Developpement d'Al Ula  
2021290312 Kory Dubai Manufacturing Australia Pty Ltd  
2021290369 Magic Leap, Inc.  
2021395654 Clover Network Com Co., Ltd.  
2022200439 SHANDONG UNIVERSITY  
2022201134 Opus RV Pty Ltd  
2022202018 Martin, M.  
2022203424 Halo Smart Solutions, Inc.

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<b><u>A01B 63 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A47G 25 /-</u></b>	<b><u>A61B 8 /-</u></b>	2021201424	2018334467
2017378381	2019337661	2019401968	2020224218	<b><u>A61K 33 /-</u></b>	2018347740
<b><u>A01C 15 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A47G 29 /-</u></b>	<b><u>A61B 90 /-</u></b>	2018347740	2019362730
2017378381	2019338896	2019401968	2021202798	2021232731	2019395549
<b><u>A01C 21 /-</u></b>	<b><u>A23K 40 /-</u></b>	<b><u>A47J 27 /-</u></b>	<b><u>A61C 17 /-</u></b>	<b><u>A61K 35 /-</u></b>	<b><u>A61L 2 /-</u></b>
2020213293	2019337661	2017369998	2021200350	2017375633	2019403607
<b><u>A01C 7 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A47J 37 /-</u></b>	<b><u>A61F 13 /-</u></b>	<b><u>A61K 36 /-</u></b>	<b><u>A61L 27 /-</u></b>
2017378381	2019337661	2019424805	2021202798	2018334467	2019403607
<b><u>A01G 15 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A47J 43 /-</u></b>	<b><u>A61F 2 /-</u></b>	<b><u>A61K 38 /-</u></b>	<b><u>A61M 1 /-</u></b>
2017393409	2017384159	2017369998	2017247677	2016369557	2017353938
<b><u>A01G 25 /-</u></b>	<b><u>A23L 31 /-</u></b>	<b><u>A47K 3 /-</u></b>	2017251734	2018347740	2020281082
2017326640	2019400002	2020389479	2017346746	2019311658	2021202798
2020433708	<b><u>A23L 33 /-</u></b>	<b><u>A47L 1 /-</u></b>	2018440936	2021232731	<b><u>A61M 15 /-</u></b>
<b><u>A01H 5 /-</u></b>	2019338896	2018228275	2019338708	<b><u>A61K 39 /-</u></b>	2020239708
2020202241	2021274083	<b><u>A61B 1 /-</u></b>	2019355988	2017303820	<b><u>A61M 16 /-</u></b>
<b><u>A01N 25 /-</u></b>	<b><u>A23L 5 /-</u></b>	2018208034	2019403607	2018283811	2020201324
2018273290	2019400002	2020266362	2018286589	<b><u>A61K 45 /-</u></b>	<b><u>A61M 25 /-</u></b>
<b><u>A01N 43 /-</u></b>	<b><u>A24F 47 /-</u></b>	2020281082	<b><u>A61G 5 /-</u></b>	2017218592	2017353938
2020210312	2019333557	2022202018	2020217975	2019311658	2018208034
<b><u>A01N 59 /-</u></b>	<b><u>A43B 13 /-</u></b>	<b><u>A61B 10 /-</u></b>	<b><u>A61H 1 /-</u></b>	2021221582	2020211890
2017375901	2017222673	2017321488	2018286589	<b><u>A61K 47 /-</u></b>	2021201589
2018273290	<b><u>A43B 17 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61K 31 /-</u></b>	2017247963	2021204979
<b><u>A01P 3 /-</u></b>	2017222673	2017348423	2016334086	2018334467	<b><u>A61M 27 /-</u></b>
2017275647	<b><u>A44B 11 /-</u></b>	2018286589	2016366200	2018347740	2017353938
2017375901	2017202217	2018321114	2016381164	2019395549	2021202798
2018273290	<b><u>A44C 7 /-</u></b>	2018367404	2017218592	2019405846	<b><u>A61M 3 /-</u></b>
<b><u>A23C 21 /-</u></b>	2017202217	2019338708	2017233886	2020258452	2021232731
2020224691	<b><u>A44C 7 /-</u></b>	2019430917	2017240157	2020258452	<b><u>A61K 48 /-</u></b>
<b><u>A23C 3 /-</u></b>	<b><u>A45D 34 /-</u></b>	2021200947	2017247963	2020264257	2017326744
2017384159	2021215236	2021201792	2017249078	<b><u>A61K 49 /-</u></b>	2020281082
<b><u>A23C 9 /-</u></b>	<b><u>A45F 3 /-</u></b>	<b><u>A61B 18 /-</u></b>	2017286544	2018347740	<b><u>A61M 31 /-</u></b>
2017384159	2019418405	2018367404	2017342551	<b><u>A61K 51 /-</u></b>	2017353938
<b><u>A23D 9 /-</u></b>	<b><u>A46B 15 /-</u></b>	<b><u>A61B 34 /-</u></b>	2018337153	2017332260	<b><u>A61M 39 /-</u></b>
2019400002	2021200350	2021204979	2018347740	<b><u>A61K 8 /-</u></b>	2020211890
<b><u>A23G 1 /-</u></b>	<b><u>A46B 9 /-</u></b>	<b><u>A61B 5 /-</u></b>	2019256788	2019362730	2021202798
2017384159	2021200350	2017247677	2019338896	2019345516	2021221890
<b><u>A23J 1 /-</u></b>	<b><u>A47G 1 /-</u></b>	2018286589	2019362730	2019392231	<b><u>A61M 5 /-</u></b>
2017384159	2019401968	2020249624	2019395549	2019249392	2017326744
		2020249624	2019401442	2019417437	2017353938
		2020386264	2019405846	2020219720	2020201828
		2021200374	2020214064	2021232731	2020228579
		2021201589	2020223731	2021274083	2020232196
			2020227077	<b><u>A61K 9 /-</u></b>	2021221890
			2020237440	2016366200	<b><u>A61N 1 /-</u></b>
			2020244554	2016369557	2017293799
			2020258452	2017218592	2018269661
			2020270457	2017247963	2018286589
			2020273282	2017286544	2019349824
			2020415903	2018307726	
			2021201244		

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2021201589	<b>A61P 7 /-</b>	2021201922	<b>B23D 61 /-</b>	2020251051	2017248472
<b>A61N 5 /-</b>	2020273282	<b>B02C 17 /-</b>	2017314988	<b>B29C 63 /-</b>	<b>B64F 5 /-</b>
2020274863	2021201244	2017381402	<b>B23K 10 /-</b>	2021218035	2017248472
<b>A61P 1 /-</b>	<b>A61P 9 /-</b>	<b>B03B 5 /-</b>	2020286241	<b>B29C 65 /-</b>	<b>B64G 1 /-</b>
2017286544	2020214064	2018201259	<b>B23K 9 /-</b>	2018421351	2017228713
2019338896		2018360432		<b>B32B 17 /-</b>	2021227304
2020415903	<b>A61Q 11 /-</b>	<b>B03B 9 /-</b>	2019422569		<b>B65B 35 /-</b>
2021232731	2019417437		2020286241	2021204823	2017309950
<b>A61P 13 /-</b>	2021232731	2018201259	<b>B23Q 11 /-</b>	<b>B41J 2 /-</b>	<b>B65B 39 /-</b>
2019395549	<b>A61Q 13 /-</b>	2018360432	2021236566	2018315649	2017309950
<b>A61P 17 /-</b>	2020219720	<b>B04B 1 /-</b>	2021236567		2017309950
2019395549	<b>A61Q 19 /-</b>	2020226597	<b>B23Q 15 /-</b>	<b>B41M 5 /-</b>	<b>B65B 43 /-</b>
2020244554		<b>B04B 11 /-</b>	2021290312	2018315649	2017309950
2020258452	2019249392	2020226597	<b>B24B 27 /-</b>	<b>B60B 9 /-</b>	<b>B65B 5 /-</b>
2021274083	2021274083	<b>B04B 13 /-</b>	2021290312	2019418354	2017309950
<b>A61P 19 /-</b>	<b>A62D 3 /-</b>	2020226597	<b>B24B 41 /-</b>	<b>B60C 23 /-</b>	<b>B65B 57 /-</b>
2021201424	2018217436	<b>B04B 9 /-</b>	2021290312	2019333661	2017309950
<b>A61P 25 /-</b>	<b>A63B 53 /-</b>	2020226597	<b>B24B 45 /-</b>	<b>B60J 11 /-</b>	<b>B65B 7 /-</b>
2017218592	2021254532	<b>B05B 1 /-</b>	2017314988	2016222517	2017309950
2019345516	<b>A63C 10 /-</b>	2017326640	<b>B24B 51 /-</b>	<b>B60P 3 /-</b>	<b>B65D 77 /-</b>
2019362730	2021221821	2020201850	2021290312	2022201134	2019275890
2019405846	<b>A63C 5 /-</b>	<b>B07B 1 /-</b>	<b>B24D 5 /-</b>	<b>B61D 15 /-</b>	<b>B65G 1 /-</b>
<b>A61P 29 /-</b>	2021221821	2018201259	2017314988	2017246058	2017275425
2019362730	<b>B01D 19 /-</b>	<b>B09B 3 /-</b>	<b>B25B 21 /-</b>	<b>B61J 1 /-</b>	<b>B65G 33 /-</b>
<b>A61P 3 /-</b>	2017343495	2018360432	2021203574	2017222718	2019424805
2020214064	<b>B01D 39 /-</b>	2020251051	<b>B25F 3 /-</b>	<b>B61L 27 /-</b>	<b>B66C 1 /-</b>
2018283811	2019237520	<b>B09B 5 /-</b>	2021203574	2021200934	2017283005
2020227077	<b>B01D 46 /-</b>	2018360432	<b>B25F 5 /-</b>	<b>B62B 3 /-</b>	<b>B66C 13 /-</b>
2020237440	2019237520	<b>B21D 47 /-</b>	2021203574	2017280954	2017222997
2020264257	<b>B01D 53 /-</b>	2018421351	<b>B25G 1 /-</b>	<b>B62B 5 /-</b>	2017262380
<b>A61P 33 /-</b>	2019358744	<b>B22D 19 /-</b>	2018228275	2017280954	<b>B66C 6 /-</b>
2019401442	<b>B01D 65 /-</b>	2021243493	<b>B26B 21 /-</b>	<b>B62M 11 /-</b>	2019254734
<b>A61P 35 /-</b>	2017246762	<b>B22F 1 /-</b>	2017316584	2017260578	<b>B66C 7 /-</b>
2016257929	<b>B01D 71 /-</b>	2017249439	<b>B27B 5 /-</b>	<b>B62M 25 /-</b>	2019254734
2017233886	2017246762	<b>B22F 3 /-</b>	2017314988	2017260578	<b>B66C 9 /-</b>
2017249078	2017317351	2016367119	<b>B23B 51 /-</b>	<b>B64C 23 /-</b>	2019254734
2017375633	<b>B01J 19 /-</b>	<b>B23B 51 /-</b>	2017314988	2017248472	<b>B82Y 15 /-</b>
2018337153	2017379867	2017314988	2020258178	<b>B64C 25 /-</b>	2018347740
2018347740	2020233601	<b>B23C 5 /-</b>	<b>B29B 17 /-</b>	2017268607	<b>B82Y 5 /-</b>
2019256788	2021201922	2021236566	2018360432	<b>B64C 3 /-</b>	2018347740
2019311658	<b>B01J 20 /-</b>	2021236567	<b>B29C 39 /-</b>		
2019392231	2021201922				
2020223731	<b>B01J 41 /-</b>				
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<b>A61P 43 /-</b>					
2017218592					
<b>A61P 5 /-</b>					
2019395549					

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2018219255	2018410014		2018299767		2018360432
<b><u>C01B 3 /-</u></b>	<b><u>C07C 223 /-</u></b>	<b><u>C07D 419 /-</u></b>	<b><u>C08G 63 /-</u></b>	<b><u>C12N 9 /-</u></b>	<b><u>D21F 1 /-</u></b>
2020233608	2016318136	2021201424	2020224691	2017275647 2019311658 2020213320	2017382784
<b><u>C01B 33 /-</u></b>	<b><u>C07C 253 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C08J 5 /-</u></b>	<b><u>C12P 1 /-</u></b>	<b><u>D21F 11 /-</u></b>
2017317351	2019438654	2019401442 2020214064 2020227077 2020237440	2020244527	2020224691	2017382784
<b><u>C01B 7 /-</u></b>	<b><u>C07C 255 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C08K 3 /-</u></b>	<b><u>C12P 19 /-</u></b>	<b><u>D21H 17 /-</u></b>
2020222023	2019438654		2020244527	2018227057	2018311573
<b><u>C01F 1 /-</u></b>	<b><u>C07C 401 /-</u></b>	<b><u>C07D 493 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>D21H 21 /-</u></b>
2017375901	2019400002	2020214064 2021201244	2018299767		2018311573
<b><u>C02F 1 /-</u></b>	<b><u>C07C 51 /-</u></b>	<b><u>C07D 519 /-</u></b>	<b><u>C08L 23 /-</u></b>	2017379867 2020201108 2020233286 2020233601	<b><u>D21H 27 /-</u></b>
2017246762 2017343495 2021201922	2020224691	2020244554	2020244527		2017382784
<b><u>C02F 101 /-</u></b>	<b><u>C07D 213 /-</u></b>	<b><u>C07H 1 /-</u></b>	<b><u>C09D 11 /-</u></b>	<b><u>C22C 1 /-</u></b>	<b><u>E01B 2 /-</u></b>
2021201922	2020273282	2019401442 2021201244	2018315649	2016367119 2021243493	2017222718
<b><u>C02F 103 /-</u></b>	<b><u>C07D 239 /-</u></b>	<b><u>C07H 15 /-</u></b>	<b><u>C09D 133 /-</u></b>	<b><u>C22C 19 /-</u></b>	<b><u>E01B 25 /-</u></b>
2017343495	2020210312 2020223731	2020415903	2020233601	2016367119	2017222718
<b><u>C02F 5 /-</u></b>	<b><u>C07D 275 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C09K 3 /-</u></b>	<b><u>C22C 33 /-</u></b>	<b><u>E01B 27 /-</u></b>
2017246762 2017249052	2018337153	2020233601	2020244527	2021243493	2017246058
<b><u>C04B 18 /-</u></b>	<b><u>C07D 277 /-</u></b>	<b><u>C07J 1 /-</u></b>	<b><u>C10B 57 /-</u></b>	<b><u>C22C 38 /-</u></b>	<b><u>E01C 19 /-</u></b>
2020251051	2020270457	2017240157	2020231947	2021243493	2018200799
<b><u>C04B 26 /-</u></b>	<b><u>C07D 311 /-</u></b>	<b><u>C07J 71 /-</u></b>	<b><u>C10G 1 /-</u></b>	<b><u>C22F 1 /-</u></b>	<b><u>E02D 1 /-</u></b>
2018299767	2019401442	2019345516	2018365312	2016367119	2018200799
<b><u>C04B 40 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C10G 31 /-</u></b>	<b><u>C23F 11 /-</u></b>	<b><u>E02D 27 /-</u></b>
2018299767	2019392231 2020214064 2020223731 2021201424	2016384317 2017303820 2017375633 2018283811 2020202241 2020213320 2021221582	2018365312	2017249052	2017379547
<b><u>C05B 11 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C10G 53 /-</u></b>	<b><u>C25B 11 /-</u></b>	<b><u>E02D 3 /-</u></b>
2017375901	2020214064	2016257929 2016352943	2018365312	2017377216	2018200799
<b><u>C05B 17 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C12M 1 /-</u></b>	<b><u>C40B 30 /-</u></b>	<b><u>E02D 5 /-</u></b>
2017375901	2019401442 2021201424	2016257929	2020379170	2020201108	2020220777
<b><u>C05D 9 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>D04B 21 /-</u></b>	<b><u>E04B 1 /-</u></b>
2017382582	2021201424	2018347740	2017205706 2017375633 2018227057 2018283811 2020202241 2020233286	2017278300	2017201094 2018421351 2020224564 2020244527
<b><u>C05F 3 /-</u></b>	<b><u>C07D 411 /-</u></b>	<b><u>C08F 290 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>D06F 37 /-</u></b>	<b><u>E04B 2 /-</u></b>
2017382582	2021201424	2018299767	2016257929	2019292378	2016277554 2017201094 2020260532
<b><u>C06B 23 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C08G 9 /-</u></b>	<b><u>C12N 7 /-</u></b>	<b><u>D06F 39 /-</u></b>	<b><u>E04C 3 /-</u></b>
2018410014	2019256788 2021201424	2018299767	2016318136 2016381164	2019292378	2020224564
<b><u>C06B 33 /-</u></b>	<b><u>C07D 417 /-</u></b>			<b><u>D06P 1 /-</u></b>	<b><u>E04F 10 /-</u></b>
2018410014				2018315649	
				<b><u>D06P 5 /-</u></b>	
				2018315649	

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2016222517	<b><u>E21B 33 /-</u></b>	<b><u>F16F 9 /-</u></b>	<b><u>F42B 5 /-</u></b>	<b><u>G01N 7 /-</u></b>	2020205090
<b><u>E04F 15 /-</u></b>	2017235786	2018219255	2018410237	2022203424	<b><u>G06F 3 /-</u></b>
2016222517	<b><u>E21B 34 /-</u></b>	<b><u>F16H 3 /-</u></b>	<b><u>F42D 3 /-</u></b>	<b><u>G01R 27 /-</u></b>	2017230317
<b><u>E04H 12 /-</u></b>	2016429770	2017260578	2018410014	2017392146	2017254304
2018228275	2017221830	<b><u>F16K 11 /-</u></b>	<b><u>G01B 11 /-</u></b>	<b><u>G01R 31 /-</u></b>	2020257057
<b><u>E05B 15 /-</u></b>	<b><u>E21B 41 /-</u></b>	2016411106	2018353833	2017219124	<b><u>G06F 40 /-</u></b>
2021206789	2016423177	<b><u>F16K 24 /-</u></b>	<b><u>G01B 3 /-</u></b>	<b><u>G01S 17 /-</u></b>	2019270109
<b><u>E05B 19 /-</u></b>	2017379547	2016411106	2018240118	2020274025	<b><u>G06K 7 /-</u></b>
2021206789	<b><u>E21B 43 /-</u></b>	<b><u>F16K 27 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01S 19 /-</u></b>	2016413531
<b><u>E05B 27 /-</u></b>	2016429770	2016411106	2021200455	2021200455	<b><u>G06K 9 /-</u></b>
2021206789	2017260381	<b><u>F16L 1 /-</u></b>	<b><u>G01D 11 /-</u></b>	<b><u>G01V 5 /-</u></b>	2017341708
<b><u>E05B 29 /-</u></b>	<b><u>E21B 47 /-</u></b>	2019214499	2020433708	2019262636	2018292176
2021206789	2017421192	<b><u>F16L 35 /-</u></b>	2022203424	<b><u>G01V 9 /-</u></b>	2019404523
<b><u>E05B 35 /-</u></b>	<b><u>E21B 7 /-</u></b>	2017347152	<b><u>G01F 1 /-</u></b>	2018200799	<b><u>G06N 3 /-</u></b>
2021206789	<b><u>E21C 25 /-</u></b>	<b><u>F16L 57 /-</u></b>	2021221890	<b><u>G02B 21 /-</u></b>	2018292176
<b><u>E05B 41 /-</u></b>	2020277282	2017320458	<b><u>G01G 13 /-</u></b>	2017341708	<b><u>G06N 5 /-</u></b>
2020204387	<b><u>E21D 21 /-</u></b>	<b><u>F23B 40 /-</u></b>	2017309950	<b><u>G02F 1 /-</u></b>	2018292176
<b><u>E05B 63 /-</u></b>	2017201806	2019424805	<b><u>G01G 15 /-</u></b>	2021204823	2020381444
2018247281	<b><u>F02B 43 /-</u></b>	<b><u>F24F 11 /-</u></b>	2017309950	<b><u>G05D 1 /-</u></b>	<b><u>G06Q 10 /-</u></b>
2020204387	2018217436	2019436811	<b><u>G01J 1 /-</u></b>	2018400760	2016413531
<b><u>E05B 65 /-</u></b>	<b><u>F02B 7 /-</u></b>	<b><u>F24F 120 /-</u></b>	2018387689	<b><u>G05D 16 /-</u></b>	2021200934
2020204387	2018217436	2019436811	<b><u>G01J 3 /-</u></b>	2018217930	<b><u>G06Q 40 /-</u></b>
<b><u>E05C 9 /-</u></b>	<b><u>F02K 9 /-</u></b>	<b><u>F24F 13 /-</u></b>	2018353833	<b><u>G05D 23 /-</u></b>	2020257057
2018247281	2017228713	2021203066	<b><u>G01N 1 /-</u></b>	2017402634	<b><u>G06Q 50 /-</u></b>
2020204387	<b><u>F03D 3 /-</u></b>	<b><u>F25B 39 /-</u></b>	2022203424	<b><u>G06F 1 /-</u></b>	2019397261
<b><u>E05D 15 /-</u></b>	2019282971	2020334589	<b><u>G01N 15 /-</u></b>	2017402634	2021200934
2020389479	<b><u>F03D 9 /-</u></b>	<b><u>F25B 41 /-</u></b>	2020213396	<b><u>G06F 11 /-</u></b>	<b><u>G06T 15 /-</u></b>
<b><u>E05F 5 /-</u></b>	2019282971	2020334589	<b><u>G01N 27 /-</u></b>	2020213400	2021290369
2020389479	<b><u>F16B 1 /-</u></b>	<b><u>F25J 3 /-</u></b>	2017392146	<b><u>G06F 13 /-</u></b>	<b><u>G06T 17 /-</u></b>
<b><u>E06B 3 /-</u></b>	2017381402	2017200487	2018211384	2019349437	2020274025
2020260532	<b><u>F16B 2 /-</u></b>	<b><u>F41A 21 /-</u></b>	<b><u>G01N 33 /-</u></b>	2020213400	<b><u>G06T 19 /-</u></b>
<b><u>E21B 17 /-</u></b>	2017381402	2018410237	2016318136	<b><u>G06F 15 /-</u></b>	2020274025
2016429770	<b><u>F16B 25 /-</u></b>	<b><u>F41A 3 /-</u></b>	2016381164	2020213400	<b><u>G06T 7 /-</u></b>
2017320458	2017294325	2018410237	2016384317	<b><u>G06F 16 /-</u></b>	2019349824
2017347152	<b><u>F16B 7 /-</u></b>	<b><u>F41A 5 /-</u></b>	2017286544	2020257057	2020266362
<b><u>E21B 19 /-</u></b>	2018228275	2018410237	2017378442	2021218110	2020274025
2017222997	<b><u>F16F 15 /-</u></b>	<b><u>F41A 9 /-</u></b>	2020224691	<b><u>G01N 35 /-</u></b>	<b><u>G07C 9 /-</u></b>
2017262380	2018219255	2018410237	2020231947	2021218096	2017284797
<b><u>E21B 29 /-</u></b>	2020221809	<b><u>F41A 9 /-</u></b>	2022203424	<b><u>G01N 37 /-</u></b>	<b><u>G08B 17 /-</u></b>
2016423177	2018219255	2018410237	2021218096	<b><u>G06F 21 /-</u></b>	2022203424
	2020221809		2021218096		

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<b><u>G08B 21 /-</u></b>		2019411707	<b><u>H04N 19 /-</u></b>
2022203424	<b><u>H01M 4 /-</u></b>		2019298855
	2017377216	<b><u>H02K 7 /-</u></b>	2019356483
<b><u>G09B 23 /-</u></b>		2020221809	2021229180
2017230317	<b><u>H01M 8 /-</u></b>		
	2017358721	<b><u>H02S 50 /-</u></b>	<b><u>H04N 21 /-</u></b>
<b><u>G09F 9 /-</u></b>	2017377216	2021204712	2017319511
2019337584	<b><u>H01R 103 /-</u></b>	<b><u>H03M 7 /-</u></b>	2017354169
		2020214893	2017387992
<b><u>G09G 3 /-</u></b>	2021201219		2019385989
2017254304	<b><u>H01R 12 /-</u></b>	<b><u>H04B 1 /-</u></b>	<b><u>H04N 5 /-</u></b>
2017304413		2019235617	2017319511
2021204823	2019382779		2018387689
<b><u>G09G 5 /-</u></b>	<b><u>H01R 13 /-</u></b>	<b><u>H04B 7 /-</u></b>	
2017304413	2021201219	2019235617	<b><u>H04Q 1 /-</u></b>
2021290369		2019421319	2018291959
	<b><u>H01R 24 /-</u></b>	2021231387	
<b><u>G10L 15 /-</u></b>	2021201219	<b><u>H04H 20 /-</u></b>	<b><u>H04W 12 /-</u></b>
2020412568			2017246449
2022200439	<b><u>H01R 25 /-</u></b>	2017387992	2018219603
<b><u>G10L 17 /-</u></b>	2021201219	<b><u>H04H 60 /-</u></b>	<b><u>H04W 28 /-</u></b>
2020412568	<b><u>H01R 27 /-</u></b>	2017387992	2018441631
<b><u>G10L 21 /-</u></b>	2021201219	<b><u>H04K 1 /-</u></b>	<b><u>H04W 40 /-</u></b>
2018200338	<b><u>H01R 31 /-</u></b>	2018200338	2018442113
2022200439	2021201219	<b><u>H04L 1 /-</u></b>	<b><u>H04W 52 /-</u></b>
<b><u>G16H 10 /-</u></b>	<b><u>H01R 43 /-</u></b>	2018332394	2019321640
2020286320		2019356425	<b><u>H04W 56 /-</u></b>
	2021201219	<b><u>H04L 12 /-</u></b>	2017412349
<b><u>G16H 20 /-</u></b>	<b><u>H02G 1 /-</u></b>	2020206992	2019235617
2017318590	2019214499	<b><u>H04L 43 /-</u></b>	<b><u>H04W 72 /-</u></b>
<b><u>G16Y 40 /-</u></b>	<b><u>H02G 15 /-</u></b>	2019404523	2020220922
2019404523	2021218035	<b><u>H04L 5 /-</u></b>	<b><u>H04W 74 /-</u></b>
<b><u>G21G 1 /-</u></b>	<b><u>H02G 3 /-</u></b>	2018332394	2020220922
2017332260	2019214499	2019356425	<b><u>H04W 76 /-</u></b>
<b><u>H01L 21 /-</u></b>	<b><u>H02G 9 /-</u></b>	<b><u>H04L 51 /-</u></b>	2018289655
2017402634	2019214499	2020201129	<b><u>H04W 8 /-</u></b>
<b><u>H01L 23 /-</u></b>	<b><u>H02H 3 /-</u></b>	<b><u>H04L 67 /-</u></b>	2021200455
2017402634	2021204712	2020214893	<b><u>H05K 3 /-</u></b>
<b><u>H01L 33 /-</u></b>	<b><u>H02H 9 /-</u></b>	<b><u>H04L 69 /-</u></b>	2019382779
2020393812	2017219124	2020205090	<b><u>H05K 7 /-</u></b>
<b><u>H01L 51 /-</u></b>	<b><u>H02J 7 /-</u></b>	2020289963	2017402634
2018221851	2021201219	<b><u>H04L 7 /-</u></b>	
<b><u>H01M 10 /-</u></b>	<b><u>H02K 1 /-</u></b>	2019235617	
2017242009	2020221809	<b><u>H04M 3 /-</u></b>	
<b><u>H01M 12 /-</u></b>	<b><u>H02K 53 /-</u></b>	2019369205	
2017242009		2021395654	

**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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 (21) 2018100789 (22) 13.06.2018  
 (54) Connection of seeder knife  
 (51) Int. Cl.  
     **A01B 15/02** ( 2006.01 )  
     **A01C 5/06** ( 2006.01 )  
     **A01C 7/20** ( 2006.01 )  
 (45) 20.10.2022  
 (72) Auldist, Jack  
 (74) Armour IP Pty Ltd

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(71) Everflo Australia Pty Ltd  
 (11) AU-B-2021105321  
 (21) 2021105321 (22) 11.08.2021  
 (54) SYSTEM AND METHOD OF TREAT-  
 ING BRINES  
 (51) Int. Cl.  
     **C02F 1/22** ( 2006.01 )  
     **C01D 3/06** ( 2006.01 )  
     **B01D 9/00** ( 2006.01 )  
     **C25B 1/04** ( 2021.01 )  
 (31) 2020904137 (32) 11.11.20 (33) AU  
 (45) 20.10.2022  
 (72) SMITH, Bruce  
 (74) Elliptic Legal & Patent Services

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 (11) AU-B-2021107411  
 (21) 2021107411 (22) 25.08.2021  
 (54) Method of Addressing Alternating  
 Column Noise  
 (51) Int. Cl.  
     **H04N 5/365** ( 2011.01 )  
     **G06T 5/00** ( 2006.01 )  
 (45) 20.10.2022  
 (72) Bigland, Mark; Palmer, William; Martin,  
 Antony; Flynn, Jamie; Gray, Brenton  
 (74) IP SOLVED (ANZ) PTY. LTD.

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(71) Slack Technologies, Inc.  
 (11) AU-B-2021107603  
 (21) 2021107603 (22) 05.11.2021  
 (54) Encryption key management for inter-  
 national data residency  
 (51) Int. Cl.  
     **H04L 9/08** ( 2006.01 )  
     **G06F 21/60** ( 2013.01 )  
 (45) 20.10.2022  
 (62) 2020104253  
 (72) DRUMMOND, Audrei; BHATTACHAR-  
 JEE, Deep; SCHEINBLUM, James;  
 GHIRMAI, Eden; HAMRICK, Stephen;  
 CROWLEY, Richard; GORHAM, Lydia;  
 MEHTA, Pooja; LARGMAN, Raissa;  
 NGUYEN, Karen  
 (74) FB Rice Pty Ltd

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**2018100789** Cruel Sea Technologies Pty Ltd  
**2021105321** Everflo Australia Pty Ltd  
**2021107411** Rapid Phenotyping Pty Ltd  
**2021107603** Slack Technologies, Inc.



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**C25B 1 /-**

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**G06F 21 /-**

2021107603

**G06T 5 /-**

2021107411

**H04L 9 /-**

2021107603

**H04N 5 /-**

2021107411

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2016289432 **Fondazione Edmund Mach** ( Commonwealth Scientific and Industrial Research Organisation )
- 2018101203 **Mine Site Technologies Pty Ltd** ( R F Industries Pty Ltd )

**Patents Granted**

**Standard Patents**

2016228262	2016253149	2016256695	2016264364
2016268863	2016277701	2016281770	2016302390
2016302391	2016308624	2016311326	2016316565
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2017204564	2017210551	2017220569	2017220684
2017229270	2017235195	2017244109	2017246242
2017256894	2017257377	2017275796	2017280939
2017281678	2017287014	2017289481	2017289987
2017294486	2017307194	2017321972	2017337034
2017343674	2017345043	2017346860	2017346939
2017350488	2017377036	2017387695	2017403796
2017412402	2018207710	2018207988	2018215089
2018233582	2018244650	2018247933	2018259027
2018267087	2018274100	2018277523	2018285412
2018294254	2018297861	2018298892	2018311079
2018316092	2018318996	2018379143	2019236142
2019242765	2019244621	2019262946	2019264005
2019282216	2019292029	2019297439	2019300067
2019309671	2019313135	2019314020	2019315233
2019318970	2019337291	2019338040	2019362888
2019376639	2019389490	2019393780	2019394648
2019417141	2019428450	2019429696	2019455810
2019464174	2020201085	2020201307	2020201344
2020202009	2020202489	2020202792	2020203210
2020203240	2020203694	2020203840	2020204530
2020210182	2020210284	2020217420	2020221744
2020227078	2020233749	2020239681	2020239754
2020250012	2020252144	2020257070	2020269839
2020273361	2020276247	2020277092	2020277244
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2021201687	2021202911	2021202945	2021202959
2021203582	2021203701	2021203842	2021204253
2021204448	2021209284	2021225144	2021277652
2021320088	2022200351		

**Innovation Patents**

2020104487	2021107668	2022100128	2022100130
2022100132	2022100134	2022100136	

**Revocation**

It is hereby notified that the offer by the Patentee **Casne Verige Pty Ltd** to surrender Patent 2010206557 which was advertised in the Official Journal of 01.09.2022 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

It is hereby notified that the offer by the Patentee **Gallagher Group Limited** to surrender Patent 2017100835 which was advertised in the Official Journal of 01.09.2022 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

**Revocation**

It is hereby notified that the offer by the Patentee **Gaming Partners International** to surrender Patent 2005324329 which was advertised in the Official Journal of 01.09.2022 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

**Assignments Registered**

- 2005244271 Catalyst BioSciences, Inc. The patent has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**
- 2006214463 Adlyfe, Inc. The patent has been assigned to **Presympto, Inc.**
- 2006304804 Catalyst Biosciences, Inc. The patent has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**
- 2007212833 Donovan Group (NZ) Limited The patent has been assigned to **Donovan Group Holdings Limited**
- 2007276677 Downey, Paul The patent has been assigned to **Pliteq Inc.**
- 2007277186 Adlyfe, Inc. The patent has been assigned to **Presympto, Inc.**
- 2010203588 Med-Logics, Inc. The patent has been assigned to **Liquet Technologies, Inc.**
- 2010208181 Adlyfe, Inc. The patent has been assigned to **Presympto, Inc.**
- 2011218753 Catalyst Biosciences, Inc. The patent has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**
- 2011246976 Medical Prognosis Institute A/S The patent has been assigned to **Allarity Therapeutics Europe ApS**
- 2011293125 Gilead Biologics, Inc The patent has been assigned to **Gilead Sciences, Inc.**
- 2012231737 AnPac System Science (Shanghai) Co., Ltd The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**
- 2012308971 Med-Logics, Inc. The patent has been assigned to **Liquet Technologies, Inc.**
- 2013202890 Catalyst Biosciences, Inc. The patent has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**
- 2013223972 Optimose AS The patent has been assigned to **Optinose, Inc.**
- 2013223973 Optimose AS The patent has been assigned to **Optinose, Inc.**
- 2013313372 Med-Logics, Inc. The patent has been assigned to **Liquet Technologies, Inc.**
- 2013337099 Liftup A/S The patent has been assigned to **Direct Healthcare Group Limited**
- 2014218012 Think and Go NFC The patent has been assigned to **Banks and Acquirers International Holding SAS**
- 2014233542 Optimose AS The patent has been assigned to **Optinose, Inc.**
- 2015201367 Gilead Biologics, Inc. The patent has been assigned to **Gilead Sciences, Inc.**

### Assignments Registered

2015215961 Hangzhou Zhenglong Hose Factory The patent has been assigned to **Zhejiang Zhenglong Environmental Protection Tech Co., Ltd.**

2015298263 Lipimetix Development, LLC; UAB Research Foundation The patent has been assigned to **UAB Research Foundation; Anji Pharmaceuticals, Inc.**

2015310487 Haldor Advanced Technologies Ltd The patent has been assigned to **STERIS Corporation**

2015311836 System of Systems Analytics, Inc. The patent has been assigned to **Presympto, Inc.**

2015348301 Optimose AS The patent has been assigned to **Optimose, Inc.**

2015383978 Liftup A/S The patent has been assigned to **Direct Healthcare Group Limited**

2016102377 Familings Oy The patent has been assigned to **Newton Baby, Inc.**

2016265049 Lifting Point Pre-Form Pty Limited The patent has been assigned to **InQuik IP Holdings Pty Ltd**

2018204829 Anpac Bio-Medical Science Co., Ltd The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**

2018290281 Catalyst Biosciences, Inc. The patent has been assigned to **VERTEX PHARMACEUTICALS INCORPORATED**

2019202881 Campbell-Lloyd, Peter Charles The patent has been assigned to **Tok, Kian**

2019226260 Anpac Bio-Medical Science (Lishui) Co., Ltd. The patent has been assigned to **Changwei System Technology (Shanghai) Co., Ltd.**

### Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

#### Applications Filed

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

2009246926 **Celgene Corporation**

The earliest first regulatory approval date provided by the patentee 08 Apr 2022

For the goods ONUREG azacitidine

### Corrigenda

In Vol 36 , No 31 , Page(s) 4350 under the heading **Amendments - Amendments Made** Under the name Dalian University of Technology, Application No. 2020323951, under INID (72) correct inventor WU, Guowe to read WU, Guowei

In Vol 36 , No 36 , Page(s) 5015 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Nanjing Tech University; Nanjing Geotechnical and Underground Space Technology Co., Ltd, Application No. 2021398759, under INID (72) add co-inventor JI, Zhanpeng

In Vol 36 , No 39 , Page(s) 5425 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Hollister Corporation, Application No. 2021236958, under INID (71) correct the applicant name to Hollister Incorporated

### Corrigenda

In Vol 36 , No 40 , Page(s) 5530 under the heading **Amendments - Application for Amendments** Under the name BioMarin Pharmaceutical Inc., Application No. 2008240259 correct the date of the statements filed to read 13 June 2019, 30 June 2022 and 17 August 2022

In Vol 36 , No 40 , Page(s) 5582 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Nemesis Intelligence Industrielle Inc Application No. 2021219857, under INID (71) correct the applicant name to Intelligence Industrielle Nemesis Inc

In Vol 36 , No 40 , Page(s) 5630 under the heading **Applications Accepted - Name Index** Delete all reference to 2017362979.

In Vol 36 , No 41 , Page(s) 5658 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2020** Delete all reference to 2020424969.

### Specifications Republished

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

2019268074 **MedImmune Limited**  
2022235530 **Syngenta Participations AG**