



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

*For information on the following please see our website [www.ipaustralia.gov.au](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

*INID (Internationally agreed Numbers for the Identification of Data)*

## GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

### (i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

### (ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

### (iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

### (iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

### (v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

### (vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

## How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want ( eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

## How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018** All

patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

**NOTE:** Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

<p><b>NOTE:</b> When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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## Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

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

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

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete application filed - Name Index</b>	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The Provisional application <u>number</u>	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID No.</u>	<u>ITEM</u>	<u>INID</u> <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)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 21 March 2024**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

*Nufarm Australia Limited v Corteva Agriscience LLC [2024] APO 12*

Patent Application: 2017261483

Title: Compounds derived from herbicidal carboxylic acids and tetraalkylammonium or (arylalkyl) trialkylammonium hydroxides

Patent Applicant: Corteva Agriscience LLC

Opponent: Nufarm Australia Limited

Delegate: Felix White

Decision Date: 7 March 2024

Hearing Date: Written submissions received on 7 and 21 November 2023

Catchwords: **PATENTS** – Request under reg 5.17 for dismissal of opposition to amendments under s104(4) – do grounds and particulars raised in the Statement of Grounds and Particulars raise real issues of amendment allowability – opposition dismissed – no award of costs.

Representation: Patent attorney for the applicant: FPA Patent Attorneys  
Patent attorney for the opponent: Arcadia Intellectual Property

Proceedings under the Patents Act 1990

**Provisional Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 5 Mar 2024 .

(71) 2 DRBH Pty Limited (21) 2024900636 (22) 11.03.2024 (54) FLUID OR AEROSOL DISPENSING DEVICE	(71) BOSS Products (Australia) Pty Ltd (21) 2024900618 (22) 08.03.2024 (54) Building Services Installation System and Method	(71) Carden, B. (21) 2024900611 (22) 07.03.2024 (54) Therapeutic System with Transparent Elastomeric Encasement
(71) 3BUX IP PTY LTD (21) 2024900596 (22) 07.03.2024 (54) PLATFORM FOR ISSUING AND EXCHANGING MULTI-SIDED FUNGIBLE TOKENS	(71) BRADFORD trading as Mossvale Equine, K. (21) 2024900592 (22) 07.03.2024 (54) COMPOSITIONS AND METHODS OF USE THEREOF FOR TREATING EQUINE HOOF INFECTIONS	(71) Carroll, C. (21) 2024900603 (22) 07.03.2024 (54) Container cover
(71) Alchin Long Group IP Pty Limited (21) 2024900643 (22) 12.03.2024 (54) A window or door latching device	(71) Breathesafe Pty Ltd (21) 2024900635 (22) 11.03.2024 (54) Air Purifier	(71) ClearVue Technologies Ltd (21) 2024900587 (22) 06.03.2024 (54) A Spandrel Window Unit
(71) Allen, G. (21) 2024900610 (22) 07.03.2024 (54) Wheelbarrow lifter and carrier with assistance of your Vehicle Tow Hitch	(71) Breville Pty Limited (21) 2024900607 (22) 07.03.2024 (54) Smart milk jug	(71) Cobalt Extreme Pty Ltd (21) 2024900583 (22) 06.03.2024 (54) An inventory management system and methods of use
(71) AMSL Innovations Pty Ltd (21) 2024900588 (22) 06.03.2024 (54) AIRCRAFT AND AIRCRAFT ELECTRIC POWER SYSTEMS	(71) Breville Pty Limited (21) 2024900642 (22) 12.03.2024 (54) A steam wand assembly	(71) Colley, N. (21) 2024900629 (22) 10.03.2024 (54) A MULTI-LAYER MULTI FLUID BARRIER MEMBRANE to be used by A SPECIFIC PARAMETERS BONDING PROCESS (Patent Reference: NC02-03/03/22) and A CURABLE RESIN COMPOSITION COMPRISING N-(ALKENYLPHENYL)MALEIMIDE AND EPOXY COMPOSITION (Patent Reference: NC01- 03/03/22)
(71) Artrya Ltd (21) 2024900612 (22) 08.03.2024 (54) A SYSTEM FOR AND METHOD OF CALCIUM SCORING CORONARY ARTERIES	(71) Calcross Trading Pty Ltd (21) 2024900647 (22) 12.03.2024 (54) Insect Repelling Device	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024900623 (22) 08.03.2024 (54) Recombinant human lactoferrin and methods and uses thereof
(71) Australian Ceramics Engineering Pty Ltd (21) 2024900614 (22) 08.03.2024 (54) FASTENER ASSEMBLY FOR RELEASABLY FASTENING A WEAR LINER TO A STRUCTURE	(71) Capon, K. (21) 2024900602 (22) 07.03.2024 (54) DATA COMMUNICATIONS NETWORK AND METHOD FOR MANAGING PRODUCT-RELATED WASTE	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024900624 (22) 08.03.2024 (54) Recombinant human lactoferrin and methods and uses thereof
(71) Bisalloy Steels Pty Limited (21) 2024900648 (22) 12.03.2024 (54) WEAR SENSOR	(71) Carden, B. (21) 2024900590 (22) 06.03.2024 (54) Health and wellness System for treating a human remotely	

Provisional Applications Filed - Name Index cont'd

(71) Data Critical Pty Ltd  
(21) 2024900646 (22) 12.03.2024  
(54) Server racks

**Deakin University see NEWSOUTH INNOVATIONS PTY LIMITED**  
(21) 2024900616

(71) DIGITAL SOUL TECHNOLOGIES PTY LTD  
(21) 2024900653 (22) 13.03.2024  
(54) High Efficiency Solar Energy Harvesting System Utilizing Wavelength Separation and Dual Capture of Optical and Infrared Radiation

(71) Dixon Ritchie Intellectual Pty Ltd  
(21) 2024900630 (22) 10.03.2024  
(54) Cyclodextrin-Based Self-Emulsifying Nutrient Delivery System for Encapsulating Turkesterone in Dietetic Nutritional Supplements

(71) Engenex Pty Ltd  
(21) 2024900608 (22) 07.03.2024  
(54) A FABRICATED BARRIER

(71) FlowBee Australia Pty Ltd  
(21) 2024900637 (22) 12.03.2024  
(54) A SEPARATING AND PIVOTING DEVICE AND METHOD OF USE THEREOF

(71) Geographe Enterprises Pty Ltd  
(21) 2024900622 (22) 08.03.2024  
(54) Fitting Apparatus and System Thereof

(71) Greaney, M.  
(21) 2024900605 (22) 07.03.2024  
(54) A method and apparatus for the de-aeration of concrete by engaging rebars

(71) Handbook of Your Life  
(21) 2024900626 (22) 09.03.2024  
(54) "Handbook of Your life" - a unique, electronic/digital Handbook/Booklet Kit with Integrated Codes System. A system of electronic processes/methods for securely detailing your personal affairs for loved ones when you pass or are incapacitated. The "Integrated Codes System" including "Usernames" component, are critical and essential parts of the overall concept to ensure maximum data security. Kits are available for all circumstances in life. Single Parents Kit example supplied as it was the original concept kit.

**Hoad, T. see Hoad, R.**  
(21) 2024900645

(71) Hoad, R.; Hoad, T.  
(21) 2024900645 (22) 12.03.2024  
(54) A device for dispensing building wrap

(71) Icon23 Pty Ltd  
(21) 2024900617 (22) 08.03.2024  
(54) A takeaway food container assembly

(71) INOVIQ Ltd  
(21) 2024900609 (22) 07.03.2024  
(54) Resin compositions and methods of use

(71) Inter Earth Pty Ltd  
(21) 2024900620 (22) 08.03.2024  
(54) An Improved Tree Planter

(71) Inter Earth Pty Ltd  
(21) 2024900621 (22) 08.03.2024  
(54) A Water Cart

(71) IRT BELTING PTY LIMITED  
(21) 2024900639 (22) 12.03.2024  
(54) Modified Rubber Composites for Conductivity

(71) IRT Resources Technology Pty Ltd  
(21) 2024900638 (22) 12.03.2024  
(54) Modified Rubber Composites for Abrasion

(71) JOLLY GOOD VENTURES PTY LTD  
(21) 2024900591 (22) 07.03.2024  
(54) IMPROVED PACKAGING FOR LIQUIDS

(71) Marand Precision Engineering Pty Ltd  
(21) 2024900650 (22) 12.03.2024  
(54) APPARATUS FOR CHANGING A WHEEL ON A HEAVY VEHICLE

(71) McNicol, M.  
(21) 2024900601 (22) 07.03.2024  
(54) VEHICULAR COLLISION AVOIDANCE DEVICES AND SYSTEMS

(71) Mercier, A.  
(21) 2024900651 (22) 12.03.2024  
(54) Battery for Electric Vehicle, other vehicles & home use etc

(71) Morgan Advanced Ceramics, Inc.  
(21) 2024900584 (22) 06.03.2024  
(54) Braze alloys

(71) MULTIBUY PTY LTD  
(21) 2024900613 (22) 08.03.2024  
(54) Load Sense Drum Dock with hinged Vacuum Motor

(71) Murdoch Childrens Research Institute  
(21) 2024900640 (22) 12.03.2024  
(54) Treatment methods for muscle-associated diseases

(71) NewSouth Innovations Pty Limited  
(21) 2024900597 (22) 07.03.2024  
(54) A method for producing polymeric particles

(71) NewSouth Innovations Pty Limited  
(21) 2024900600 (22) 07.03.2024  
(54) A flow field for a fuel cell

(71) NewSouth Innovations Pty Limited  
(21) 2024900641 (22) 12.03.2024  
(54) A hydrogen evolution reaction electrocatalyst and methods for preparation and use thereof

(71) NEWSOUTH INNOVATIONS PTY LIMITED; Deakin University  
(21) 2024900616 (22) 08.03.2024  
(54) System and method for determining presence of optic neuropathy

(71) OPT Hire Assets Pty Ltd  
(21) 2024900644 (22) 12.03.2024  
(54) Securing shipping containers

(71) Organ Recovery Systems Pty Ltd  
(21) 2024900625 (22) 08.03.2024  
(54) APPARATUS AND METHOD FOR ORGAN PRESERVATION

(71) P & D Technology Holdings Pty. Ltd.  
(21) 2024900595 (22) 07.03.2024  
(54) A ROTOR FOR A BRUSHLESS ELECTRIC MOTOR

(71) POPS PADDLES PTY LTD  
(21) 2024900634 (22) 11.03.2024  
(54) IMPROVED PICKLEBALL PADDLE AND METHOD

(71) Powa Corporation Pty Ltd  
(21) 2024900631 (22) 11.03.2024  
(54) A kettle

(71) PT Agrapana Damayanti Indobiotek  
(21) 2024900627 (22) 09.03.2024  
(54) DIAGNOSIS OF AUTOIMMUNE DISEASES

(71) PT Agrapana Damayanti Indobiotek  
(21) 2024900628 (22) 09.03.2024  
(54) TREATMENT OF AUTOIMMUNE DISEASES

## Provisional Applications Filed - Name Index cont'd

- 
- (71) Royal Melbourne Institute of Technology  
(21) 2024900649 (22) 12.03.2024  
(54) Methods, systems, and devices for determining glucose measurements
- 
- (71) Sayfa R&D Pty Ltd  
(21) 2024900594 (22) 07.03.2024  
(54) Modular handrail system
- 
- (71) Scarlett-Rhodes, J.  
(21) 2024900599 (22) 07.03.2024  
(54) Garment hook and clip
- 
- (71) Sheffield Brands Pty Ltd  
(21) 2024900598 (22) 07.03.2024  
(54) Safety Knife
- 
- (71) South Australian Health and Medical Research Institute Limited  
(21) 2024900604 (22) 07.03.2024  
(54) METHODS AND PRODUCTS FOR ASSESSING AUTOPHAGIC FLUX
- 
- (71) Spiryagin, M.  
(21) 2024900606 (22) 07.03.2024  
(54) Physics-based and data-driven digital twin for vehicle maintenance and complex operational performance tasks
- 
- (71) SVW TECHNOLOGIES PTY LTD  
(21) 2024900586 (22) 06.03.2024  
(54) Procedure to harvest wool
- 
- (71) Talebzadeh, S.  
(21) 2024900633 (22) 11.03.2024  
(54) An interactive oral hygiene feedback system
- 
- (71) Technofast Industries Pty Ltd  
(21) 2024900593 (22) 07.03.2024  
(54) Radial Fit Coupling Bolts
- 
- (71) The University of Melbourne  
(21) 2024900585 (22) 06.03.2024  
(54) Methods and systems for predictive text generation
- 
- (71) TLOBRIK Patent Holder Pty Ltd  
(21) 2024900615 (22) 08.03.2024  
(54) ADJUSTABLE WEIGHT KETTLEBELL AND RELATED METHODS
- 
- (71) Tri Underground Australia Pty Ltd  
(21) 2024900652 (22) 13.03.2024  
(54) Electrical Enclosure
- 
- (71) TS&B Retail Systems Pty Ltd  
(21) 2024900619 (22) 08.03.2024  
(54) Retail shelf and associated shelf system
- 
- (71) Vater, L.  
(21) 2024900654 (22) 13.03.2024  
(54) A BUILDING ARRANGEMENT AND A METHOD OF CONSTRUCTION THEREOF
- 
- (71) Work Air Technologies Pty Ltd  
(21) 2024900589 (22) 06.03.2024  
(54) SYSTEM AND METHOD FOR LOWERING THE OPERATING TEMPERATURE OF AN OEM VEHICLE AIR CONDITIONING SYSTEM
- 
- (71) Zeal Industries Limited  
(21) 2024900632 (22) 11.03.2024  
(54) SYSTEMS AND METHODS FOR REAL-TIME TRACKING

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<b>2024900583</b>	Cobalt Extreme Pty Ltd	<b>2024900647</b>	Calcross Trading Pty Ltd
<b>2024900584</b>	Morgan Advanced Ceramics, Inc.	<b>2024900648</b>	Bisalloy Steels Pty Limited
<b>2024900585</b>	The University of Melbourne	<b>2024900649</b>	Royal Melbourne Institute of Technology
<b>2024900586</b>	SVW TECHNOLOGIES PTY LTD	<b>2024900650</b>	Marand Precision Engineering Pty Ltd
<b>2024900587</b>	ClearVue Technologies Ltd	<b>2024900651</b>	Mercier, A.
<b>2024900588</b>	AMSL Innovations Pty Ltd	<b>2024900652</b>	Tri Underground Australia Pty Ltd
<b>2024900589</b>	Work Air Technologies Pty Ltd	<b>2024900653</b>	DIGITAL SOUL TECHNOLOGIES PTY LTD
<b>2024900590</b>	Carden, B.	<b>2024900654</b>	Vater, L.
<b>2024900591</b>	JOLLY GOOD VENTURES PTY LTD		
<b>2024900592</b>	BRADFORD trading as Mossvale Equine, K.		
<b>2024900593</b>	Technofast Industries Pty Ltd		
<b>2024900594</b>	Sayfa R&D Pty Ltd		
<b>2024900595</b>	P & D Technology Holdings Pty. Ltd.		
<b>2024900596</b>	3BUX IP PTY LTD		
<b>2024900597</b>	NewSouth Innovations Pty Limited		
<b>2024900598</b>	Sheffield Brands Pty Ltd		
<b>2024900599</b>	Scarlett-Rhodes, J.		
<b>2024900600</b>	NewSouth Innovations Pty Limited		
<b>2024900601</b>	McNicol, M.		
<b>2024900602</b>	Capon, K.		
<b>2024900603</b>	Carroll, C.		
<b>2024900604</b>	South Australian Health and Medical Research Institute Limited		
<b>2024900605</b>	Greaney, M.		
<b>2024900606</b>	Spiryagin, M.		
<b>2024900607</b>	Breville Pty Limited		
<b>2024900608</b>	Engenex Pty Ltd		
<b>2024900609</b>	INOVIQ Ltd		
<b>2024900610</b>	Allen, G.		
<b>2024900611</b>	Carden, B.		
<b>2024900612</b>	Artrya Ltd		
<b>2024900613</b>	MULTIBUY PTY LTD		
<b>2024900614</b>	Australian Ceramics Engineering Pty Ltd		
<b>2024900615</b>	TLOBRIK Patent Holder Pty Ltd		
<b>2024900616</b>	NEWSOUTH INNOVATIONS PTY LIMITED; Deakin University		
<b>2024900617</b>	Icon23 Pty Ltd		
<b>2024900618</b>	BOSS Products (Australia) Pty Ltd		
<b>2024900619</b>	TS&B Retail Systems Pty Ltd		
<b>2024900620</b>	Inter Earth Pty Ltd		
<b>2024900621</b>	Inter Earth Pty Ltd		
<b>2024900622</b>	Geographe Enterprises Pty Ltd		
<b>2024900623</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2024900624</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2024900625</b>	Organ Recovery Systems Pty Ltd		
<b>2024900626</b>	Handbook of Your Life		
<b>2024900627</b>	PT Agrapana Damayanti Indobiotek		
<b>2024900628</b>	PT Agrapana Damayanti Indobiotek		
<b>2024900629</b>	Colley, N.		
<b>2024900630</b>	Dixon Ritchie Intellectual Pty Ltd		
<b>2024900631</b>	Powa Corporation Pty Ltd		
<b>2024900632</b>	Zeal Industries Limited		
<b>2024900633</b>	Talebzadeh, S.		
<b>2024900634</b>	POPS PADDLES PTY LTD		
<b>2024900635</b>	Breathesafe Pty Ltd		
<b>2024900636</b>	2 DRBH Pty Limited		
<b>2024900637</b>	FlowBee Australia Pty Ltd		
<b>2024900638</b>	IRT Resources Technology Pty Ltd		
<b>2024900639</b>	IRT BELTING PTY LIMITED		
<b>2024900640</b>	Murdoch Childrens Research Institute		
<b>2024900641</b>	NewSouth Innovations Pty Limited		
<b>2024900642</b>	Breville Pty Limited		
<b>2024900643</b>	Alchin Long Group IP Pty Limited		
<b>2024900644</b>	OPT Hire Assets Pty Ltd		
<b>2024900645</b>	Hoad, R.; Hoad, T.		
<b>2024900646</b>	Data Critical Pty Ltd		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 5 Mar 2024 .

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

(71) Acres Technology (21) 2024201582 (22) 08.03.2024 (54) Gaming Device Having Variable Speed of Play	(71) Aristocrat Technologies, Inc. (21) 2024201539 (22) 07.03.2024 (54) SYSTEMS AND METHODS FOR PROVIDING AN ELECTRONIC CARD GAME WITH INCREASING FREE GAMES MULTIPLIERS	(71) Beijing LongRuan Technologies Inc.; Peking University (21) 2024201527 (22) 07.03.2024 (54) INDUSTRIAL GEOGRAPHIC INFORMATION SYSTEM
(71) Aegis Therapeutics, LLC; ARS Pharmaceuticals Operations, Inc. (21) 2024201523 (22) 07.03.2024 (54) Intranasal epinephrine formulations and methods for the treatment of disease	(71) Aristocrat Technologies, Inc. (21) 2024201541 (22) 07.03.2024 (54) SPACE-EFFICIENT HOLD-AND-SPIN FEATURE GAME GRAPHICAL USER INTERFACE	(71) Beijing Roborock Technology Co., Ltd (21) 2024201545 (22) 07.03.2024 (54) CAMERA APPARATUS AND CLEANING ROBOT
(71) Alcon Inc. (21) 2024201554 (22) 08.03.2024 (54) ACCOMMODATING INTRAOCULAR LENSES AND METHODS OF MANUFACTURING	(71) Aristocrat Technologies Australia Pty Limited (21) 2024201494 (22) 06.03.2024 (54) Gaming Machine with Gamble Option	(71) Bennison, D. (21) 2024201584 (22) 09.03.2024 (54) Universal Fruit Tray Liner
(71) Allergan, Inc. (21) 2024201553 (22) 08.03.2024 (54) Pharmaceutical compositions comprising 4-[1-(2,3-dimethylphenyl)ethyl]-3h-imidazole derivatives for treating retinal diseases	(71) Aristocrat Technologies Australia Pty Ltd (21) 2024201560 (22) 08.03.2024 (54) GAMING DEVICE WITH SELECTABLE SYMBOL POSITION ARRANGEMENTS AND EVALUATIONS	(71) BiomEdit, LLC (21) 2024201593 (22) 11.03.2024 (54) A genetically modified Lactobacillus and uses thereof
(71) Always Thinking Advisory (21) 2024201535 (22) 07.03.2024 (54) Service Asset Activity Model - service catalogue for local government	(71) Arkema France (21) 2024201578 (22) 08.03.2024 (54) Separation of gases from air	(71) Boston Scientific Scimed, Inc. (21) 2024201505 (22) 07.03.2024 (54) Medical device for treating decompensated heart failure
(71) Amgen Inc. (21) 2024201610 (22) 12.03.2024 (54) Rotationally biased insertion mechanism for a drug delivery pump	<b>ARS Pharmaceuticals Operations, Inc. see Aegis Therapeutics, LLC</b> (21) 2024201523	(71) Boston Scientific Scimed, Inc. (21) 2024201604 (22) 12.03.2024 (54) Inflatable penile prosthesis with channels in valve of guide assembly
(71) Angel Group Co., Ltd. (21) 2024201496 (22) 06.03.2024 (54) PACKING BOX FOR SHUFFLED PLAYING CARDS	(71) Ashley Furniture Industries, LLC (21) 2024201590 (22) 11.03.2024 (54) TEXTILE DECK ASSEMBLY FOR FURNITURE ITEMS	(71) Botaneco Inc. (21) 2024201629 (22) 13.03.2024 (54) Plant protein concentrates
(71) Apple Inc. (21) 2024201515 (22) 07.03.2024 (54) User interfaces for managing visual content in media	(71) Ati Properties LLC (21) 2024201537 (22) 07.03.2024 (54) High Temperature Titanium Alloys	(71) CA Casyso GmbH (21) 2024201495 (22) 06.03.2024 (54) BLOOD TESTING SYSTEM AND METHOD
(71) Applied Medical Resources Corporation (21) 2024201530 (22) 07.03.2024 (54) Surgical stapler having articulation mechanism	(71) Bambino Prezioso Switzerland AG (21) 2024201634 (22) 13.03.2024 (54) SAFETY SEAT AND BASE THEREOF	(71) Castip Industrial Co., Ltd. (21) 2024201625 (22) 13.03.2024 (54) CONNECTOR ASSEMBLY AND LANYARD LOOP HAVING THE SAME
(71) Beijing Institute of Technology (21) 2024201598 (22) 12.03.2024 (54) GEL-TYPE ICE AND SNOW MATERIAL AND PREPARATION METHOD AND USE THEREOF		(71) CAT ST PTY LTD (21) 2024201637 (22) 13.03.2024 (54) Pet Bed



Complete Applications Filed - Name Index cont'd

(71) CFPH, LLC  
 (21) 2024201633 (22) 13.03.2024  
 (54) SYSTEM FOR PROVIDING BETS REGARDING INTERMEDIATE POINTS IN A RACE EVENT USING FRACTIONAL TIMING

(71) Children's Hospital Medical Center  
 (21) 2024201465 (22) 06.03.2024  
 (54) Colonic organoids and methods of making and using same  
 (62) 2021286289

(71) China ENFI Engineering Corporation; China Nonferrous Engineering Co., Ltd.  
 (21) 2024201532 (22) 07.03.2024  
 (54) Selective leaching method for nickel-iron alloy and method for preparing high-purity nickel salt

**China Nonferrous Engineering Co., Ltd. see China ENFI Engineering Corporation**  
 (21) 2024201532

(71) Colgate-Palmolive Company  
 (21) 2024201602 (22) 12.03.2024  
 (54) Oral treatment device, system and method

(71) Colorado State University Research Foundation  
 (21) 2024201488 (22) 06.03.2024  
 (54) METHODS AND APPARATUS FOR EFFICIENTLY RENDERING, MANAGING, RECORDING, AND REPLAYING INTERACTIVE, MULTIUSER, VIRTUAL REALITY EXPERIENCES

(71) Commonwealth Scientific and Industrial Research Organisation  
 (21) 2024201499 (22) 07.03.2024  
 (54) A PROCESS FOR EXTRACTING VALUES FROM LITHIUM SLAG

(71) ConMed Corporation  
 (21) 2024201559 (22) 08.03.2024  
 (54) Self-drilling suture anchor inserter

(71) Corn Products Development, Inc.  
 (21) 2024201600 (22) 12.03.2024  
 (54) Use of steviol glycoside in malting

(71) Crown Equipment Corporation  
 (21) 2024201606 (22) 12.03.2024  
 (54) SYSTEMS AND METHODS FOR OPTICAL TARGET BASED INDOOR VEHICLE NAVIGATION

(71) CSR Building Products Limited  
 (21) 2024201543 (22) 07.03.2024  
 (54) Formwork System

(71) Davis, R.  
 (21) 2024201547 (22) 07.03.2024  
 (54) Beer case that doubles as an esky

(71) Decisive Farming Corp.  
 (21) 2024201487 (22) 06.03.2024  
 (54) Agronomy calculator tool and method

(71) Deco IP Pty Ltd  
 (21) 2024201542 (22) 07.03.2024  
 (54) Waterproof Wall Cladding

(71) DePuy Synthes Products, Inc.  
 (21) 2024201511 (22) 07.03.2024  
 (54) Intramedullary nail insertion handle

(71) DePuy Synthes Products, Inc.  
 (21) 2024201533 (22) 07.03.2024  
 (54) Surgical templates with radio-opaque markings

(71) Dexcom, Inc.  
 (21) 2024201501 (22) 07.03.2024  
 (54) Transcutaneous analyte sensors, applicators therefor, and associated methods

(71) Donaldson Company, Inc.  
 (21) 2024201486 (22) 06.03.2024  
 (54) A spin-on fluid treatment device and methods

(71) Duracell U.S. Operations, Inc.  
 (21) 2024201536 (22) 07.03.2024  
 (54) Primary alkaline battery with integrated in-cell resistances

(71) Edwards Lifesciences Corporation  
 (21) 2024201630 (22) 13.03.2024  
 (54) Sealing member for prosthetic heart valve

**EMINENCE ENTERPRISE CO., LTD. see LIN, W.**  
 (21) 2024201546

(71) Equifax Inc.  
 (21) 2024201577 (22) 08.03.2024  
 (54) Automatically generating search indexes for expediting searching of a computerized database

(71) ERX Pharmaceuticals Inc  
 (21) 2024201504 (22) 07.03.2024  
 (54) Analogs of celastrol

(71) European Molecular Biology Laboratory  
 (21) 2024201484 (22) 06.03.2024  
 (54) High-Capacity Storage of Digital Information in DNA

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2024201507 (22) 07.03.2024  
 (54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2024201516 (22) 07.03.2024  
 (54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2024201519 (22) 07.03.2024  
 (54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier

(71) G&T Service Company Pty Ltd  
 (21) 2024201557 (22) 08.03.2024  
 (54) A COMPUTER IMPLEMENTED TOOL FOR FILTERING TABLE DATA WITHIN A WORD PROCESSING DOCUMENT

(71) Genzyme Corporation  
 (21) 2024201619 (22) 12.03.2024  
 (54) Production of oversized adeno-associated vectors

(71) Gilead Sciences, Inc.  
 (21) 2024201573 (22) 08.03.2024  
 (54) Phospholipid compounds and uses thereof

(71) Google LLC  
 (21) 2024201509 (22) 07.03.2024  
 (54) PROACTIVE CACHING OF ASSISTANT ACTION CONTENT AT A CLIENT DEVICE TO ENABLE ON-DEVICE RESOLUTION OF SPOKEN OR TYPED UTTERANCES

(71) GOOGLE LLC  
 (21) 2024201618 (22) 12.03.2024

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(54) QUANTUM COMPUTING WITH KERNEL METHODS FOR MACHINE LEARNING

(71) greaves-lane, r.  
(21) 2024201589 (22) 11.03.2024  
(54) Title: (tap) Faucet with Integrated Replaceable Filter System

(71) Gregg Drilling, LLC  
(21) 2024201614 (22) 12.03.2024  
(54) Geotechnical rig systems and methods

(71) Grip Holdings LLC  
(21) 2024201526 (22) 07.03.2024  
(54) Anti-slip fastener remover tool

(71) Guangdong Oppo Mobile Telecommunications Corp., Ltd.  
(21) 2024201491 (22) 06.03.2024  
(54) Image decoding method and apparatus relying on intra prediction in image coding system

(71) Halliburton Energy Services, Inc.  
(21) 2024201520 (22) 07.03.2024  
(54) Using pressure gauges to establish low frequency distributed acoustic sensing responses associated with pressure field changes in offset wells

(71) Hardinge Street Nominees Pty Ltd  
(21) 2024201581 (22) 08.03.2024  
(54) A Trailer for a Vehicle

(71) Harpoon Therapeutics, Inc.  
(21) 2024201624 (22) 13.03.2024  
(54) Single domain serum albumin binding protein

(71) Heina, B.  
(21) 2024201561 (22) 08.03.2024  
(54) FOAM CORE COMPOSITE SURF-BOARDS AND EFFICIENT MANUFACTURE THEREOF

(71) Horizon Global Americas Inc.  
(21) 2024201540 (22) 07.03.2024  
(54) COMBINATION OF TRAILER BRAKING AND LIGHTING FUNCTIONS

(71) Horizon Global Americas Inc.  
(21) 2024201548 (22) 07.03.2024  
(54) DRIVER AND DIAGNOSTIC SYSTEM FOR A BRAKE CONTROLLER

(71) Horizon Global Americas Inc.  
(21) 2024201549 (22) 07.03.2024  
(54) TRAILER BRAKE CONTROL UNIT CONTROLS AND COMMUNICATIONS

(71) Huawei Technologies Co., Ltd.  
(21) 2024201576 (22) 08.03.2024  
(54) A VIDEO ENCODER, A VIDEO DECODER AND CORRESPONDING METHODS

(71) Huawei Technologies Co., Ltd.  
(21) 2024201605 (22) 12.03.2024  
(54) RESOURCE ALLOCATION SIGNALING IN A WIRELESS LOCAL AREA NETWORK PREAMBLE

(71) Huawei Technologies Co., Ltd.  
(21) 2024201611 (22) 12.03.2024  
(54) COMMUNICATION METHOD APPLIED TO MULTI-LINK DEVICE IN WIRELESS LOCAL AREA NETWORK, AND DEVICE

(71) Huawei Technologies Co., Ltd.  
(21) 2024201621 (22) 13.03.2024  
(54) INTRA PREDICTION METHOD AND APPARATUS FOR VIDEO SEQUENCE

(71) ImmunoGen, Inc.  
(21) 2024201615 (22) 12.03.2024  
(54) Anti-FOLR1 immunoconjugate dosing regimens

(71) INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE  
(21) 2024201599 (22) 12.03.2024  
(54) VEHICLE CONTROL SYSTEM AND VEHICLE CONTROL METHOD THEREOF

(71) Janssen Biopharma, Inc.  
(21) 2024201485 (22) 06.03.2024  
(54) Modified oligonucleotides and methods of use

(71) Jinko Solar (Haining) Co., Ltd.  
(21) 2024201534 (22) 07.03.2024  
(54) SOLAR CELL, METHOD FOR PREPARING THE SAME AND PHOTOVOLTAIC MODULE

(71) Kabushiki Kaisha Toshiba  
(21) 2024201522 (22) 07.03.2024  
(54) Electrolysis cell and electrolysis device

(71) Kim, M.  
(21) 2024201583 (22) 08.03.2024  
(54) Hairbrush Applicator And Hairbrush Dispenser Configurations

(71) Lávish Extensions  
(21) 2024201586 (22) 10.03.2024  
(54) Invisible Tape Weft - hair extension

(71) LG Electronics Inc.  
(21) 2024201477 (22) 06.03.2024  
(54) Image decoding method for deriving weight index information for bi-prediction, and device for same

(71) LG Electronics Inc.  
(21) 2024201538 (22) 07.03.2024  
(54) DISPLAY DEVICE

(71) LG Electronics Inc.  
(21) 2024201564 (22) 08.03.2024  
(54) Intra-prediction method, and encoder and decoder using same

(71) LIN, W.; EMINENCE ENTERPRISE CO., LTD.; SUMMER SMILE INTERNATIONAL CO.  
(21) 2024201546 (22) 07.03.2024  
(54) SEAMLESS GLOVE

LIN, K. see LIN, H.  
(21) 2024201626

(71) LIN, H.; LIN, K.  
(21) 2024201626 (22) 13.03.2024  
(54) CRANK APPARATUS EQUIPPED WITH LABOR-SAVING MECHANISM AND BICYCLE CRANK ASSEMBLY

(71) LYRO Robotics Pty Ltd  
(21) 2024201595 (22) 11.03.2024  
(54) MOTION ARRESTOR ASSEMBLY

(71) MacroGenics, Inc.  
(21) 2024201607 (22) 12.03.2024  
(54) Bispecific molecules having immunoreactivity with PD-1 and CTLA-4, and methods of use thereof

(71) Magic Leap, Inc.  
(21) 2024201566 (22) 08.03.2024  
(54) Anti-reflective coatings on optical waveguides

(71) Marks Innovative Gear  
(21) 2024201622 (22) 13.03.2024  
(54) Adjustable Walking Stick with No Visible Locking Pin

(71) MasterCard International Incorporated  
(21) 2024201508 (22) 07.03.2024  
(54) Systems and methods for use in managing network traffic

(71) Materialise N.V.; OBL SAS  
(21) 2024201570 (22) 08.03.2024

Complete Applications Filed - Name Index cont'd

(54) FLEXIBLE POROUS IMPLANT FIXATION SYSTEM

(71) Merck Patent GmbH  
(21) 2024201591 (22) 11.03.2024  
(54) Methods and systems for automatic object recognition and authentication

(71) Merck Sharp & Dohme LLC  
(21) 2024201517 (22) 07.03.2024  
(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates

(71) Merck Sharp & Dohme LLC  
(21) 2024201518 (22) 07.03.2024  
(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates

(71) Meridian Manufacturing Inc.  
(21) 2024201601 (22) 12.03.2024  
(54) Adjustable belt seal

(71) Mobiltex Data Ltd.  
(21) 2024201478 (22) 06.03.2024  
(54) CALIBRATING CLOSE INTERVAL SURVEY DATA WITH REMOTE MONITORING DATA

(71) MorphoSys AG  
(21) 2024201503 (22) 07.03.2024  
(54) Clinical assessment of M-protein response in multiple myeloma

(71) National Steel Car Limited  
(21) 2024201609 (22) 12.03.2024  
(54) Railroad car truck damper wedge fittings

(71) NEC Corporation  
(21) 2024201525 (22) 07.03.2024  
(54) GATE SYSTEM, GATE APPARATUS, IMAGE PROCESSING METHOD THEREFOR, PROGRAM, AND ARRANGEMENT METHOD FOR GATE APPARATUS

(71) Neuraptive Therapeutics, Inc.  
(21) 2024201594 (22) 11.03.2024  
(54) Device and method of creating a fluid containment field for administering therapeutics to a nerve

**Novartis AG see The Scripps Research Institute**  
(21) 2024201492

(71) Novartis AG  
(21) 2024201640 (22) 13.03.2024

(54) Crystalline form of LNP023

(71) Nunhems B.V.  
(21) 2024201608 (22) 12.03.2024  
(54) Lettuce variety NUN 08239 LTL

(71) NuVasive, Inc.  
(21) 2024201572 (22) 08.03.2024  
(54) ANCHORING NAILS AND SYSTEMS

(71) NuVasive, Inc.  
(21) 2024201574 (22) 08.03.2024  
(54) PERCUTANEOUS POSTERIOR FIXATION

(71) NVIDIA Corporation  
(21) 2024201579 (22) 08.03.2024  
(54) Techniques for combining operations

**OBL SAS see Materialise N.V.**  
(21) 2024201570

(71) Ohio State Innovation Foundation  
(21) 2024201552 (22) 08.03.2024  
(54) Compositions and methods for reprogramming somatic cells into induced vasculogenic cells

(71) One Home Brands, Inc.  
(21) 2024201563 (22) 08.03.2024  
(54) STABLE ANHYDROUS DISINFECTANT CONCENTRATE FORMULATION AND METHOD OF MAKING THE SAME

**Peking University see Beijing LongRuan Technologies Inc.**  
(21) 2024201527

(71) perma-tec GmbH & Co. KG  
(21) 2024201556 (22) 08.03.2024  
(54) Method of diagnosing and/or monitoring a lubricant dispenser

(71) Pfizer Inc.  
(21) 2024201623 (22) 13.03.2024  
(54) Neisseria meningitidis compositions and methods thereof

(71) Pham, J.  
(21) 2024201514 (22) 07.03.2024  
(54) A SYSTEM FOR PERMANENTLY STORING AND CONTROLLING A FILE AND ASSOCIATED METADATA ON THE BLOCKCHAIN

(71) Protein Dynamic Solutions, Inc.  
(21) 2024201575 (22) 08.03.2024

(54) Method and system for analysis of crystals and crystallization

(71) PTL Opco LLC  
(21) 2024201628 (22) 13.03.2024  
(54) Drill-less method of fusing a sacroiliac joint

(71) Qubitekk, Inc.  
(21) 2024201510 (22) 07.03.2024  
(54) Tunable Source Bi-Photons

(71) Radio Flyer Inc.  
(21) 2024201567 (22) 08.03.2024  
(54) Push-pull wagon

(71) Regents of the University of Minnesota  
(21) 2024201513 (22) 07.03.2024  
(54) Compositions and methods for transplantation of colon microbiota

(71) Relinia, Inc.  
(21) 2024201493 (22) 06.03.2024  
(54) Single-chain TNF receptor 2 agonist fusion proteins

(71) Remix Therapeutics Inc.  
(21) 2024201568 (22) 08.03.2024  
(54) Pyridazine derivatives for modulating nucleic acid splicing

(71) Roy, P.  
(21) 2024201521 (22) 07.03.2024  
(54) Predictive traffic management system

(71) Scenic immunology B.V.  
(21) 2024201512 (22) 07.03.2024  
(54) Treating pathological conditions by direct and indirect targeting of Sirpα - CD47 Interaction

**Seebacher, P. see Seebacher, N.**  
(21) 2024201562

**Seebacher, C. see Seebacher, N.**  
(21) 2024201562

(71) Seebacher, N.; Seebacher, P.; Seebacher, C.  
(21) 2024201562 (22) 08.03.2024  
(54) Core and peripheral body temperature monitoring using an ear audio device.

(71) Selectivity SAS  
(21) 2024201489 (22) 06.03.2024  
(54) A device and a method to separate motile cells

Complete Applications Filed - Name Index cont'd

(71) ServiceNow, Inc.  
(21) 2024201569 (22) 08.03.2024  
(54) Codeless specification of software as a service integrations

(71) Shenzhen Curanjon Biology Technology Co., Ltd  
(21) 2024201550 (22) 07.03.2024  
(54) ANCHOR ROD AND ANCHOR ASSEMBLY

(71) Snap-on Incorporated  
(21) 2024201639 (22) 13.03.2024  
(54) Offset impact mechanism for a hammer tool

(71) Solubag SpA  
(21) 2024201528 (22) 07.03.2024  
(54) Detergent composition in the form of a sheet

(71) Spark Thermionics, Inc.  
(21) 2024201636 (22) 13.03.2024  
(54) System and Method for Thermionic Energy Conversion

(71) Standard Bariatrics, Inc.  
(21) 2024201596 (22) 12.03.2024  
(54) SYSTEMS AND METHODS FOR INSTALLING A SURGICAL BUTTRESS ON AN END EFFECTOR AND USING SAME

(71) Standard Bariatrics, Inc.  
(21) 2024201597 (22) 12.03.2024  
(54) End Effectors, Surgical Stapling Devices, And Methods Of Using Same

**SUMMER SMILE INTERNATIONAL CO. see LIN, W.**  
(21) 2024201546

(71) Takasago Thermal Engineering Co., Ltd.  
(21) 2024201524 (22) 07.03.2024  
(54) Collaborative work support program, work support program, collaborative work support system and work support system

(71) Takasago Thermal Engineering Co., Ltd.  
(21) 2024201529 (22) 07.03.2024  
(54) Collaborative work support program, work support program, collaborative work support system and work support system

(71) Takeda Pharmaceutical Company Limited  
(21) 2024201506 (22) 07.03.2024

(54) Protein biomarkers for diseases associated with the contact activation system

(71) Taki Time Pty Ltd  
(21) 2024201551 (22) 07.03.2024  
(54) Injection Moulded Plastic Tanoa

(71) TE Connectivity Nederland BV  
(21) 2024201502 (22) 07.03.2024  
(54) Pinch Sleeve Assembly with Locking Feature

(71) Thales Holdings UK Plc  
(21) 2024201571 (22) 08.03.2024  
(54) A CASING FOR A TOWABLE SONAR APPARATUS AND A METHOD OF MANUFACTURING A CASING FOR A TOWABLE SONAR APPARATUS

(71) The Chinese University of Hong Kong  
(21) 2024201498 (22) 07.03.2024  
(54) Analysis of cell-free DNA in urine and other samples

(71) The General Hospital Corporation  
(21) 2024201617 (22) 12.03.2024  
(54) SYSTEMS AND METHODS FOR RESPIRATORY-GATED NERVE STIMULATION

(71) The NOCO Company  
(21) 2024201482 (22) 06.03.2024  
(54) LITHIUM ION BATTERY CELL BALANCING SYSTEM AND METHOD, AND A BATTERY CHARGING DEVICE WITH LITHIUM ION BATTERY CELL BALANCING

(71) The Procter & Gamble Company  
(21) 2024201620 (22) 12.03.2024  
(54) Oral care compositions comprising fluoride ions

(71) The Raymond Corporation  
(21) 2024201612 (22) 12.03.2024  
(54) Load position verification systems and methods

(71) The Raymond Corporation  
(21) 2024201613 (22) 12.03.2024  
(54) Load handling sensors for a material handling vehicle

(71) The Regents of the University of California  
(21) 2024201483 (22) 06.03.2024  
(54) Methods for improving the tissue sealing properties of hydrogels and the use thereof

(71) The Scripps Research Institute; The Trustees of the University of Pennsylvania; Novartis AG  
(21) 2024201492 (22) 06.03.2024  
(54) Treatment of cancer using GFR alpha-4 chimeric antigen receptor

(71) The Trustee for KENTRUST  
(21) 2024201544 (22) 07.03.2024  
(54) Prewired Universal Electrical Junction Box Hub System

**The Trustees of the University of Pennsylvania see The Scripps Research Institute**  
(21) 2024201492

(71) The Vanguard Group, Inc.  
(21) 2024201480 (22) 06.03.2024  
(54) METHODS, SYSTEMS, AND DEVICES FOR DATA RECOVERY AND BACKUP

(71) Tyco Fire & Security GmbH  
(21) 2024201490 (22) 06.03.2024  
(54) Alarm call point

(71) Tyler, A.  
(21) 2024201632 (22) 13.03.2024  
(54) Probiotic combinations for ingestion, that restore the specific gut bacteria which are killed by antibiotics and other medications. This includes a different combination for each different antibiotic and medication.

(71) Utopus Insights, Inc.  
(21) 2024201565 (22) 08.03.2024  
(54) Scalable systems and methods for assessing healthy condition scores in renewable asset management

(71) Verrency Holdings Ltd.  
(21) 2024201592 (22) 11.03.2024  
(54) Points-based payment system

(71) Voice Life Inc.  
(21) 2024201585 (22) 10.03.2024  
(54) Receiver Device for Facilitating Wireless Power Reception

(71) Wait, R.  
(21) 2024201497 (22) 07.03.2024  
(54) Machinery Implement Cradle

(71) Wang, T.  
(21) 2024201587 (22) 10.03.2024  
(54) A Board Equipped with Solar Powered Light Emitting Diode Lights and a Suction Cup

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(71) Weir Slurry Group, Inc.  
(21) 2024201580 (22) 08.03.2024  
(54) DRIVE SIDE LINER FOR A CENTRI-  
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(71) Worthdown Pty Ltd  
(21) 2024201558 (22) 08.03.2024  
(54) Formwork connector

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(71) YETI Coolers, LLC  
(21) 2024201531 (22) 07.03.2024  
(54) Container with magnetic closure

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(71) YU, C.  
(21) 2024201555 (22) 08.03.2024  
(54) THERMAL CONDUCTIVE DEVICE OF  
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(71) Zevra Denmark A/S  
(21) 2024201588 (22) 11.03.2024  
(54) Processes for preparing arimoclomol  
citrate and intermediates thereof

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(71) Zhejiang Orient Gene Biotech Co., Ltd  
(21) 2024201603 (22) 12.03.2024  
(54) DEVICE WITH SECONDARY DE-  
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ING ANALYTE IN LIQUID SAMPLE

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(71) Zhejiang Tanfu New Energy Co., Ltd.  
(21) 2024201616 (22) 12.03.2024  
(54) COMBUSTION-SUPPORTING PACK-  
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(71) ZURU (SINGAPORE) PTE. LTD.  
(21) 2024201481 (22) 06.03.2024  
(54) A LIQUID DISPENSING APPARATUS

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<b>2024201488</b>	Colorado State University Research Foundation	<b>2024201549</b>	Horizon Global Americas Inc.
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<b>2024201490</b>	Tyco Fire & Security GmbH	<b>2024201551</b>	Taki Time Pty Ltd
<b>2024201491</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2024201552</b>	Ohio State Innovation Foundation
<b>2024201492</b>	The Scripps Research Institute; The Trustees of the University of Pennsylvania; Novartis AG	<b>2024201553</b>	Allergan, Inc.
<b>2024201493</b>	Relinia, Inc.	<b>2024201554</b>	Alcon Inc.
<b>2024201494</b>	Aristocrat Technologies Australia Pty Limited	<b>2024201555</b>	YU, C.
<b>2024201495</b>	CA Casyso GmbH	<b>2024201556</b>	perma-tec GmbH & Co. KG
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<b>2024201498</b>	The Chinese University of Hong Kong	<b>2024201559</b>	ConMed Corporation
<b>2024201499</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2024201560</b>	Aristocrat Technologies Australia Pty Ltd
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<b>2024201506</b>	Takeda Pharmaceutical Company Limited	<b>2024201566</b>	Magic Leap, Inc.
<b>2024201507</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	<b>2024201567</b>	Radio Flyer Inc.
<b>2024201508</b>	MasterCard International Incorporated	<b>2024201568</b>	Remix Therapeutics Inc.
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<b>2024201512</b>	Scenic immunology B.V.	<b>2024201572</b>	NuVasive, Inc.
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<b>2024201516</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	<b>2024201576</b>	Huawei Technologies Co., Ltd.
<b>2024201517</b>	Merck Sharp & Dohme LLC	<b>2024201577</b>	Equifax Inc.
<b>2024201518</b>	Merck Sharp & Dohme LLC	<b>2024201578</b>	Arkema France
<b>2024201519</b>	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	<b>2024201579</b>	NVIDIA Corporation
<b>2024201520</b>	Halliburton Energy Services, Inc.	<b>2024201580</b>	Weir Slurry Group, Inc.
<b>2024201521</b>	Roy, P.	<b>2024201581</b>	Hardinge Street Nominees Pty Ltd
<b>2024201522</b>	Kabushiki Kaisha Toshiba	<b>2024201582</b>	Acres Technology
<b>2024201523</b>	Aegis Therapeutics, LLC; ARS Pharmaceuticals Operations, Inc.	<b>2024201583</b>	Kim, M.
<b>2024201524</b>	Takasago Thermal Engineering Co., Ltd.	<b>2024201584</b>	Bennison, D.
<b>2024201525</b>	NEC Corporation	<b>2024201585</b>	Voice Life Inc.
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<b>2024201527</b>	Beijing LongRuan Technologies Inc.; Peking University	<b>2024201587</b>	Wang, T.
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<b>2024201529</b>	Takasago Thermal Engineering Co., Ltd.	<b>2024201589</b>	greaves-lane, r.
<b>2024201530</b>	Applied Medical Resources Corporation	<b>2024201590</b>	Ashley Furniture Industries, LLC
<b>2024201531</b>	YETI Coolers, LLC	<b>2024201591</b>	Merck Patent GmbH
<b>2024201532</b>	China ENFI Engineering Corporation; China Nonferrous Engineering Co., Ltd.	<b>2024201592</b>	Verrency Holdings Ltd.
<b>2024201533</b>	DePuy Synthes Products, Inc.	<b>2024201593</b>	BiomEdit, LLC
<b>2024201534</b>	Jinko Solar (Haining) Co., Ltd.	<b>2024201594</b>	Neuraptive Therapeutics, Inc.
<b>2024201535</b>	Always Thinking Advisory	<b>2024201595</b>	LYRO Robotics Pty Ltd
<b>2024201536</b>	Duracell U.S. Operations, Inc.	<b>2024201596</b>	Standard Bariatrics, Inc.
<b>2024201537</b>	Ati Properties LLC	<b>2024201597</b>	Standard Bariatrics, Inc.
		<b>2024201598</b>	Beijing Institute of Technology
		<b>2024201599</b>	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE
		<b>2024201600</b>	Corn Products Development, Inc.
		<b>2024201601</b>	Meridian Manufacturing Inc.
		<b>2024201602</b>	Colgate-Palmolive Company
		<b>2024201603</b>	Zhejiang Orient Gene Biotech Co., Ltd
		<b>2024201604</b>	Boston Scientific Scimed, Inc.

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2024201605 Huawei Technologies Co., Ltd.  
2024201606 Crown Equipment Corporation  
2024201607 MacroGenics, Inc.  
2024201608 Nunhems B.V.  
2024201609 National Steel Car Limited  
2024201610 Amgen Inc.  
2024201611 Huawei Technologies Co., Ltd.  
2024201612 The Raymond Corporation  
2024201613 The Raymond Corporation  
2024201614 Gregg Drilling, LLC  
2024201615 ImmunoGen, Inc.  
2024201616 Zhejiang Tanfu New Energy Co., Ltd.  
2024201617 The General Hospital Corporation  
2024201618 GOOGLE LLC  
2024201619 Genzyme Corporation  
2024201620 The Procter & Gamble Company  
2024201621 Huawei Technologies Co., Ltd.  
2024201622 Marks Innovative Gear  
2024201623 Pfizer Inc.  
2024201624 Harpoon Therapeutics, Inc.  
2024201625 Castip Industrial Co., Ltd.  
2024201626 LIN, H.; LIN, K.  
2024201628 PTL Opco LLC  
2024201629 Botaneco Inc.  
2024201630 Edwards Lifesciences Corporation  
2024201632 Tyler, A.  
2024201633 CFPH, LLC  
2024201634 Bambino Prezioso Switzerland AG  
2024201636 Spark Thermionics, Inc.  
2024201637 CAT ST PTY LTD  
2024201639 Snap-on Incorporated  
2024201640 Novartis AG

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

Applications listed below were processed through the Patent Office Canberra during the period ending 5 Mar 2024 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) Fullard, H.  
(21) 2024100013           (22) 06.03.2024  
(54) Portable shower apparatus  
(62) 2021105556

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(71) Miles, S.  
(21) 2024100015           (22) 06.03.2024  
(54) STORAGE BAGS  
(62) 2021101225

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(71) ZURU (SINGAPORE) PTE. LTD.  
(21) 2024100014           (22) 06.03.2024  
(54) A LIQUID DISPENSING APPARATUS  
(62) 2019433970



**Numerical Index**

2024100013 Fullard, H.  
2024100014 ZURU (SINGAPORE) PTE. LTD.

2024100015 Miles, S.

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

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

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
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- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)
  
- A Applications on which examination has not been requested or directed
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**2018**

2018101230 ( 22G )    2018101242 ( 22E )    2018200868 ( 14 )  
 2018201669 ( 14 )    2018202006 ( 14 )    2018202593 ( 5C )  
 2018220011 ( 14 )    2018220066 ( 14 )    2018220069 ( 4C )  
 2018220072 ( 14 )    2018220520 ( 5C )    2018222882 ( 14 )  
 2018228708 ( 5C )    2018232559 ( 5C )    2018237207 ( 5C )  
 2018243709 ( 5C )    2018244305 ( 5C )    2018245087 ( 5C )  
 2018246354 ( 5C )    2018247078 ( 5C )    2018253189 ( 5C )  
 2018261072 ( 5C )    2018265749 ( 25D )    2018266881 ( 5C )  
 2018280267 ( 5C )    2018282127 ( 25D )    2018308954 ( 14 )  
 2018320562 ( 14 )    2018320849 ( 4C )    2018321148 ( 14 )  
 2018321407 ( 4C )    2018321467 ( 14 )    2018321472 ( 14 )  
 2018321580 ( 14 )    2018322141 ( 4C )    2018322377 ( 4C )  
 2018322389 ( 4C )    2018322410 ( 14 )    2018322452 ( 4C )  
 2018322489 ( 4C )    2018323087 ( 4C )    2018323875 ( 4C )  
 2018324490 ( 14 )    2018324525 ( 4C )    2018338117 ( 25D )  
 2018351559 ( 25D )    2018353939 ( 14 )    2018360386 ( 25D )  
 2018383697 ( 5C )    2018400240 ( 25D )

**2019**

2019100939 ( 22E )    2019100942 ( 22E )    2019201587 ( 14 )  
 2019202355 ( 5C )    2019219758 ( 14 )    2019219766 ( 4A )  
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 2019370622 ( 12C )    2019389369 ( 14 )    2019397144 ( 4B )  
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 2019463023 ( 4C )    2019463322 ( 4A )    2019463798 ( 4A )  
 2019473699 ( 5C )

**2020**

2020100415 ( 22 )    2020100416 ( 22 )    2020100417 ( 22 )  
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**2021**

2021101119 ( 22 )    2021103202 ( 22 )    2021106267 ( 22E )  
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 2021240279 ( 5C ) 2021250901 ( 5C ) 2021254607 ( 5C )  
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 2021290268 ( 5C ) 2021290379 ( 5C )

**2022**

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 2022200081 ( 5C ) 2022200134 ( 5C ) 2022200556 ( 5C )  
 2022200558 ( 5C ) 2022200579 ( 5C ) 2022200765 ( 5C )  
 2022200770 ( 4C ) 2022200805 ( 5C ) 2022201190 ( 5C )  
 2022201287 ( 5C ) 2022201299 ( 5C ) 2022201327 ( 5C )  
 2022201428 ( 5C ) 2022202121 ( 4C ) 2022203216 ( 4C )  
 2022203687 ( 25D ) 2022204046 ( 4C ) 2022204225 ( 4C )  
 2022204338 ( 5C ) 2022206696 ( 4C ) 2022211871 ( 5C )  
 2022224727 ( 25D ) 2022241523 ( 4C ) 2022259814 ( 5C )  
 2022268334 ( 5C ) 2022277699 ( 12A ) 2022287578 ( 5C )

**2023**

2023285840 ( 7AN ) 2023285848 ( 7AN ) 2023900768 ( 12AN )

**Assignments before Grant, Section 113**

**2018**

2018234446 Lallemand Hungary Liquidity Management LLC The application has been assigned to **Danstar Ferment AG**

**2019**

2019253923 Sipco Pty Ltd The application has been assigned to **Cotton Picking Mind Limited Partnership**

2019335067 QIP International Pty Ltd The application has been assigned to **Intellectual Property Pty Ltd**

**2021**

2021236540 Sipco Pty Ltd The application has been assigned to **Cotton Picking Mind Limited Partnership**

2021286551 American Battery Solutions, Inc. The application has been assigned to **American Energy Storage Innovations, Inc.**

**2022**

2022213358 AMERICAN BATTERY SOLUTIONS, INC. The application has been assigned to **American Energy Storage Innovations, Inc.**

**Assignments before Grant, Section 113**

2022313883 Purvala Bioscience, Inc.; PALONI, Justin The application has been assigned to **Purvala Bioscience, Inc.**

2022323272 SMITH, Thomas B. The application has been assigned to **Firehole Geothermal Solutions, LLC**

**2024**

2024200788 LG Electronics Inc. The application has been assigned to **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**

**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.

**2009**

2009202018 **Jackson International Pty. Ltd.** An application to extend the time from 21 May 2023 to 21 Dec 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2015**

2015296883 **Lee, D.** An application to extend the time from 29 Jul 2023 to 29 Feb 2024 in which to pay a renewal fee has been filed . Address for service - Anderson IP PO BOX 99 Nyora VIC 3987 AU

**2018**

2018256927 **Flow Dynamics, LLC** An application to extend the time from 24 May 2023 to 24 Jan 2024 in which to pay the continuation fee has been filed . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

**2019**

2019201567 **Sea to Summit Pty Ltd** An application to extend the time from 06 Mar 2023 to 06 Mar 2024 in which to pay a continuation fee has been filed . Address for service - SEA TO SUMMIT PTY LTD 5 Eyre Street Rivervale WA 6103 AU

2019289286 **EnerMech Pty Ltd** An application to extend the time from 17 Jun 2023 to 17 Jan 2024 in which to pay a continuation fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2021**

2021215274 **Exciva GMBH; Vepachedu, S.** An application to extend the time from 03 May 2023 to 03 Dec 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2021**

2021369479 **YETI COOLERS, LLC** The time in which to enter the National Phase has been extended to 27 Oct 2023 . Address for service - GLMR PO Box Q1615 Queen Victoria Building NSW 1230 AU

**Extensions of Time, Section 223**

2021388673 **CENTRO DE NEUROCIENCIAS DE CUBA** The time in which to enter the National Phase has been extended to 24 Nov 2023 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2022**

2022287198 **SENSONIC DESIGN ZRT.** The time in which to enter the National Phase has been extended to 29 Feb 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**Amendments**

**Applications for Amendment**

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

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

**2015**

2015369683 Antibodies to TIGIT **Bristol-Myers Squibb Company** The nature of the amendment is as shown in the statement(s) filed 21 Feb 2024 . Address for service - AJ Park GPO BOX 2513 Sydney ACT 2001 AU

**2017**

2017250284 Methods of using PD-L1 expression in treatment decisions for cancer therapy **Creatv Microtech, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018256498 ANTIBODIES TO AMYLOID BETA **MedImmune Limited** The nature of the amendment is as shown in the statement(s) filed 14 Feb 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2021**

2021257912 3D-formable sheet material **FiberLean Technologies Limited** The nature of the amendment is as shown in the statement(s) filed 12 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Amendments Made**

**2018**

2018313272 **Hologic, Inc.** The nature of the amendment is: Amend the name of the inventor to read BANKS, Melissa; BERKO, Mallory; CABLE, Frank; PATEL, Tarpit; DEFREITAS, Kenneth F. and STANGO, Timothy R.

**2020**

2020284270 **Clipex IP Limited** The nature of the amendment is: Application is to proceed under the number 2020104501

**Amendments**

**2021**

2021202823 **XENOHELIX CO., LTD** The nature of the amendment is: Application is to proceed under the number 2021107694

2021311618 **Blue Penny, LLC** The nature of the amendment is: Amend the name of the inventor to read CLAUSSNER, Mark and KAZMER, John

2021401041 **FMC CORPORATION** The nature of the amendment is: Amend the name of the inventor to read PASTERIS, Robert, James; CHITTABOINA, Srinivas; MCMAHON, Travis Chandler; KAMIREDDY, Balreddy; REDDY, Ravisekhara P.; VEGA-JIMENEZ, Byron; UP-PALAPATI, Srinivasa Rao and GAMBHIR, Nikita

2021429373 **DORMAKABA DEUTSCHLAND GMBH; DORMAKABA SCHWEIZ AG; DORMAKABA EAD GMBH** The nature of the amendment is: Amend the priority details to read 21159066.6 24 Feb 2021 EP

2021456934 **OAM PHOTONICS LLC** The nature of the amendment is: Amend the priority details to read 63/147,733 09 Feb 2021 US

**2022**

2022202802 **Civitas Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read Ellwanger, Colleen; Noble, Brian; Koker, Tim and Plunkett, Sean

2022218540 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Graham, David Chance; Carrigan, Taylor G.; Coffman, Patrick L.; DYE, Alan C.; FOSS, Christopher P.; PETERSON, Corey J.; CHIAO, Sue Wen; SEILAUDOM, Patchaya B; PECK, Jessica J.; SANDERS, Christopher J and CORMICAN, Neil P.

2022252703 **Bioverativ Therapeutics Inc.** The nature of the amendment is: Amend the name of the inventor to read CHHABRA, Ekta Seth; LIU, Tongyao; CHANG, Pei-yun; PETERS, Robert T.; KULMAN, John and JIANG, Haiyan

2022280082 **COULTER VENTURES, LLC** The nature of the amendment is as shown in the statement(s) filed 05 Feb 2024

2022292642 **ICU MEDICAL, INC.** The nature of the amendment is as shown in the statement(s) filed 29 Feb 2024

2022294893 **ZENO POWER SYSTEMS, INC.** The nature of the amendment is: Amend the name of the inventor to read MATTHEWS, Jacob; WHITING, Christofer Eryn and BARKLAY, Chadwick Douglas

2022312702 **NOVO NORDISK A/S** The nature of the amendment is: Amend the name of the inventor to read VILHELMSSEN, Thomas, Kvistgaard and DAMGAARD, Isabell, Vargas

2022321011 **ASTELLAS PHARMA INC.** The nature of the amendment is: Amend the name of the inventor to read SAITO, Masako; KOMATSU, Kanji; TAKUSAGAWA, Shin and DELGADO-HERRERA, Leticia

2022321068 **NIPPON BEET SUGAR MANUFACTURING CO., LTD.** The nature of the amendment is: Amend the invention title to read CONTINUOUS ASSEMBLAGE OF POTS FOR CONTINUOUS TRANSPLANTING AND METHOD FOR MANUFACTURING THE ASSEMBLAGE

**Amendments**

2022325474 **PPG INDUSTRIES OHIO, INC.** The nature of the amendment is: Amend the name of the inventor to read HUMPENÖDER, Jens; WARTA, Helge; KETTEMANN, Bernd-Uwe; WAZULA, Fritz and BÄHNSCH, Annika

2022329436 **EBARA CORPORATION; KAWASAKI JUKOGYO KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read Purge container and method of using the purge container

2022330488 **EBARA CORPORATION** The nature of the amendment is: Amend the invention title to read Elevating apparatus, pump carrying-in method, pump pulling-up method

2022330642 **EBARA CORPORATION** The nature of the amendment is: Amend the invention title to read Integrally-transportable purge container and method of using the integrally-transportable purge container

2022332786 **QUANTUM ENERGY RESEARCH CENTRE (Q-CENTRE)** The nature of the amendment is: Amend the invention title to read ROOM TEMPERATURE AND AMBIENT PRESSURE SUPER-CONDUCTING CERAMIC AND METHODS FOR PRODUCING THE SAME

2022338463 **TORAY INDUSTRIES, INC.** The nature of the amendment is: Amend the invention title to read PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT AND/OR PREVENTION

2022366734 **HUGHES, W.J.** The nature of the amendment is: Amend the name of the inventor to read HUGHES, William James

**2023**

2023238513 **GUANGZHOU INSTITUTE OF ENERGY CONVERSION, CHINESE ACADEMY OF SCIENCES** The nature of the amendment is: Amend the invention title to read INDIRECT HYDRAULIC LOAD HIERARCHICAL CONTROL SYSTEM AND METHOD FOR WAVE ENERGY DEVICE

2023251295 **HITACHI, LTD.** The nature of the amendment is: Amend the invention title to read Railroad maintenance support system, railroad maintenance support method

2023298305 **LEONARDO S.P.A.** The nature of the amendment is as shown in the statement(s) filed 04 Mar 2024

**2024**

2024900607 **Breville Pty Limited** The nature of the amendment is: Amend the invention title to read A jug and method of guiding a user to froth milk

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

**2005**

2005202816 Mercer Technologies Limited The name of the patentee has been altered to **MHM IP LIMITED**

**2006**

2006312404 Mercer Technologies Limited The name of the patentee has been altered to **MHM IP LIMITED**

**Amendments**

**2007**

2007329772 ULURU Inc. The name of the patentee has been altered to **Altrazael Life Sciences Inc.**

**2008**

2008215979 Ark Therapeutics Ltd. The name of the patentee has been altered to **Trizell Ltd.**

**2010**

2010214150 Mercer Technologies Limited The name of the patentee has been altered to **MHM IP LIMITED**

2010214151 Mercer Technologies Limited The name of the patentee has been altered to **MHM IP LIMITED**

**2014**

2014338927 RUAG Ammotec GmbH The name of the patentee has been altered to **RWS GmbH**

2014368810 RUAG Ammotec GmbH The name of the patentee has been altered to **RWS GmbH**

**2015**

2015282658 RUAG Ammotec GmbH The name of the patentee has been altered to **RWS GmbH**

2015316242 Mercer Technologies Limited The name of the patentee has been altered to **MHM IP LIMITED**

**2018**

2018238017 Qura S.r.l. The name of the applicant has been altered to **SPECTRUM MEDICAL SRL**

**2019**

2019250102 Australian Garage Door & Gate Warehouse Pty Ltd The name of the applicant has been altered to **HULK HARDWARE PTY LTD**

2019348201 Valideck International The name of the applicant has been altered to **Valideck International Corporation**

2019370264 Changzhou JOYO Automation Equipment Co., Ltd The name of the patentee has been altered to **JOYO CO., LTD.**

**2020**

2020265342 KOBOTS ApS The name of the applicant has been altered to **KOBOTS Company ApS**

2020266714 KOBOTS ApS The name of the applicant has been altered to **KOBOTS Company ApS**

2020333099 Shanghai Changchengyiyaokeji Company Limited The name of the applicant has been altered to **Changchun Changcheng Pharmaceutical Technology Co., LTD**

**Amendments****2021**

2021245121 CYBERPION LTD The name of the patentee has been altered to **IONIX.IO LTD**

**2022**

2022284311 INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITÉ D'AIX-MARSEILLE; INSTITUT PAOLI-CALMETTES The name of the applicant has been altered to **INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITÉ D'AIX-MARSEILLE; INSTITUT JEAN PAOLI & IRENE CALMETTES CENTRE REGIONAL DE LUTTE CONTRE LE CANCER**

2022297976 SCHENCK PROCESS AUSTRALIA PTY LIMITED The name of the applicant has been altered to **SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED**

2022312308 FUJIFILM CORPORATION The name of the applicant has been altered to **FUJIFILM Corporation**

2022312403 ROBOBURGER ENTERPRISES The name of the applicant has been altered to **ROBOBURGER ENTERPRISES, INC.**

2022348500 REGENTS OF THE UNIVERSITY OF MINNESOTA; Timothy D. O'BRIEN; Beth LINDBORG; Amanda VEGOE; Yi Wen CHAI; Manci LI The name of the applicant has been altered to **REGENTS OF THE UNIVERSITY OF MINNESOTA**

2022366734 HUGHES, William The name of the applicant has been altered to **HUGHES, W.J.**

**2023**

2023900924 Eco System Limited The name of the applicant has been altered to **Eco Systems Ltd**



Applications Open to Public Inspection

Name Index

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

<p>(71) 80 Acres Urban Agriculture Inc. (11) AU-A-2024201360 (21) 2024201360 (22) 29.02.2024 (54) System and method for controlling indoor farms remotely and user interface for same (51) Int. Cl. A01G 7/04 ( 2006.01 ) A01G 9/02 ( 2018.01 ) A01G 9/24 ( 2006.01 ) A01G 31/06 ( 2006.01 ) (43) 21.03.2024 (62) 2020274162 (72) PORTELLO, Joseph Michael; ZELKIND, Michael; LIVINGSTON, Patricia (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) Abbott Diabetes Care Inc. (11) AU-A-2024201322 (21) 2024201322 (22) 28.02.2024 (54) Systems, devices, and methods for wellness and nutrition monitoring and management using analyte data (51) Int. Cl. A61B 5/00 ( 2006.01 ) A61B 5/11 ( 2006.01 ) A61B 5/145 ( 2006.01 ) (43) 21.03.2024 (62) 2018230850 (72) Cole, Jean-Pierre; Feldman, Benjamin J.; Hoss, Udo; Kiaie, Namvar; Arbogast, Frederic T. (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) Acres Technology (11) AU-A-2024201338 (21) 2024201338 (22) 28.02.2024 (54) System for Processing Gaming Activity (51) Int. Cl. G07F 17/30 ( 2006.01 ) A63F 9/24 ( 2006.01 ) A63F 13/00 ( 2014.01 ) (43) 21.03.2024 (62) 2021266280 (72) Acres, John F. (74) Golja Haines &amp; Friend</p> <hr/> <p>(71) Advanced Lithium Electrochemistry Co., Ltd. (11) AU-A-2023202834 (21) 2023202834 (22) 08.05.2023 (54) Cathode material and preparation method thereof (51) Int. Cl. H01M 4/134 ( 2010.01 ) C01G 53/04 ( 2006.01 ) H01M 4/02 ( 2006.01 ) H01M 4/1391 ( 2010.01 ) (31) 111133201 (32) 01.09.22 (33) TW</p>	<p>(43) 21.03.2024 (72) HSIEH, Han-Wei (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) ADVANCED LITHIUM ELECTRO-CHEMISTRY CO., LTD. (11) AU-A-2023219945 (21) 2023219945 (22) 25.08.2023 (54) PREPARATION METHOD OF BATTERY COMPOSITE MATERIAL AND PRECURSOR THEREOF (51) Int. Cl. H01M 10/0525 ( 2010.01 ) H01M 4/131 ( 2010.01 ) H01M 10/0562 ( 2010.01 ) H01M 50/249 ( 2021.01 ) (31) 111133528 (32) 05.09.22 (33) TW (43) 21.03.2024 (72) FU, KUAN-YIN; WANG, JING-XUAN; HUANG, AN-FENG (74) ALDRICH PROJECTS PTY LTD</p> <hr/> <p>(71) AdvanSix Resins &amp; Chemicals LLC (11) AU-A-2024201442 (21) 2024201442 (22) 05.03.2024 (54) Surfactants for oil and gas production (51) Int. Cl. C09K 8/035 ( 2006.01 ) C09K 8/584 ( 2006.01 ) C09K 8/594 ( 2006.01 ) C09K 8/60 ( 2006.01 ) C09K 8/68 ( 2006.01 ) C09K 8/70 ( 2006.01 ) E21B 43/16 ( 2006.01 ) E21B 43/26 ( 2006.01 ) (43) 21.03.2024 (62) 2021236069 (72) ASIRVATHAM, Edward (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) Aloys Inc. (11) AU-A-2023200094 (21) 2023200094 (22) 09.01.2023 (54) Method of re-configuring contents presentation of an OTT service in conjunction with an external database (51) Int. Cl. G06F 16/24 ( 2019.01 ) G06F 16/95 ( 2019.01 ) G06F 17/10 ( 2006.01 ) G06F 21/31 ( 2013.01 ) G06Q 50/10 ( 2012.01 ) G16Y 10/65 ( 2020.01 ) H04N 21/25 ( 2011.01 ) H04N 21/431 ( 2011.01 ) H04N 21/472 ( 2011.01 ) H04N 21/482 ( 2011.01 ) (31) 10-2022-0112676 (32) 06.09.22 (33) KR (43) 21.03.2024 (72) CHOI, Sung Hyeok; KIM, Kyung Hun (74) Spruson &amp; Ferguson</p>	<p>(71) Alpine Immune Sciences, Inc. (11) AU-A-2024201301 (21) 2024201301 (22) 27.02.2024 (54) Variant ICOS Ligand immunomodulatory proteins and related compositions and methods (51) Int. Cl. C07K 14/705 ( 2006.01 ) (43) 21.03.2024 (62) 2018351000 (72) EVANS, Lawrence; KORNACKER, Michael; SWANSON, Ryan (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) ALSTOM Holdings (11) AU-A-2023222846 (21) 2023222846 (22) 29.08.2023 (54) Air duct system for a transportation vehicle, and transportation vehicle comprising such air duct system (51) Int. Cl. B60H 1/00 ( 2006.01 ) F24F 13/08 ( 2006.01 ) (31) 202241049470 (32) 30.08.22 (33) IN (43) 21.03.2024 (72) TANKALA, Triloka Chander; NOE, Ludovic; KATTEBOINA, Sravan Kumar; PEREZ, Frederic (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) AMO Groningen B.V. (11) AU-A-2024201335 (21) 2024201335 (22) 28.02.2024 (54) Diffractive lenses and related intraocular lenses for presbyopia treatment (51) Int. Cl. G02C 7/04 ( 2006.01 ) A61F 2/14 ( 2006.01 ) A61F 2/16 ( 2006.01 ) (43) 21.03.2024 (62) 2018292024 (72) WEEBER, Hendrik A.; ROSEN, Robert (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) Amryt Endo, Inc. (11) AU-A-2024201385 (21) 2024201385 (22) 01.03.2024 (54) Oral octreotide for the treatment of disease (51) Int. Cl. A61K 38/31 ( 2006.01 ) A61K 31/436 ( 2006.01 ) A61K 31/55 ( 2006.01 ) (43) 21.03.2024 (62) 2017210227 (72) MAMLUK, Roni; PATOU, Gary; GELBAUM, Dana; HAVIV, Asi (74) Spruson &amp; Ferguson</p>
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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024201387  
 (21) 2024201387 (22) 01.03.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
*G07C 11/00* ( 2006.01 )  
*A47B 25/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (43) 21.03.2024  
 (62) 2021286384  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2024201388  
 (21) 2024201388 (22) 01.03.2024  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
*G07C 11/00* ( 2006.01 )  
*A47B 25/00* ( 2006.01 )  
*G06T 7/00* ( 2017.01 )  
 (43) 21.03.2024  
 (62) 2021286383  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2024201391  
 (21) 2024201391 (22) 01.03.2024  
 (54) Spatial management of audio  
 (51) Int. Cl.  
*G06F 3/16* ( 2006.01 )  
*G06F 3/0481* ( 2022.01 )  
 (43) 21.03.2024  
 (62) 2023203125  
 (72) WOOD, Stuart John; JOHNSON, Martin E.; SATONGAR, Darius A.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2023214236  
 (21) 2023214236 (22) 08.08.2023  
 (54) ELECTRONIC GAMING SYSTEMS AND METHODS WITH A WHEEL BONUS FEATURE AND PICK FEATURE ENHANCEMENTS  
 (51) Int. Cl.  
*G07F 17/34* ( 2006.01 )  
 (31) 18/066,838 (32) 15.12.22 (33) US  
 63/374,471 02.09.22 US  
 (43) 21.03.2024  
 (72) USS, Jeffrey  
 (74) Griffith Hack

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2024201254  
 (21) 2024201254 (22) 23.02.2024  
 (54) GAME STATE RETENTION AND CONTINUATION AT GAMING MACHINES  
 (51) Int. Cl.

*A63F 13/49* ( 2014.01 )  
*A63F 13/70* ( 2014.01 )  
*G07F 17/32* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2022200015  
 (72) BRYANT, NATALIE  
 (74) Griffith Hack

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(71) Arvinas Operations, Inc.  
 (11) AU-A-2024201437  
 (21) 2024201437 (22) 05.03.2024  
 (54) TETRAHYDRONAPHTHALENE AND TETRAHYDROISQUINOLINE DERIVATIVES AS ESTROGEN RECEPTOR DEGRADERS  
 (51) Int. Cl.  
*C07D 417/14* ( 2006.01 )  
*A61K 31/4725* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/14* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021257895  
 (72) Crew, Andrew P.; Qian, Yimin; Dong, Hanqing; Wang, Jing; Hornberger, Keith R.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Assa Abloy AB  
 (11) AU-A-2024201350  
 (21) 2024201350 (22) 29.02.2024  
 (54) Physical access control systems with localization-based intent detection  
 (51) Int. Cl.  
*G01S 1/00* ( 2006.01 )  
*G01S 13/76* ( 2006.01 )  
*G07C 9/00* ( 2020.01 )  
*G07C 9/22* ( 2020.01 )  
*G07C 9/28* ( 2020.01 )  
*G07C 9/29* ( 2020.01 )  
*H04W 12/06* ( 2021.01 )  
*H04W 4/02* ( 2018.01 )  
 (43) 21.03.2024  
 (62) 2023200489  
 (72) PIRCH, Hans-Juergen; EINBERG, Fredrik Carl Stefan; JONSSON, Tomas Lars; PREVOST, Sylvain Jacques; STEFFL, Jan; FRANK, Hans Gunnar  
 (74) Davies Collison Cave Pty Ltd

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(71) Aurigene Oncology Limited  
 (11) AU-A-2024201411  
 (21) 2024201411 (22) 04.03.2024  
 (54) 1,2,4-oxadiazole compounds as inhibitors of CD47 signalling pathways  
 (51) Int. Cl.  
*C07K 7/06* ( 2006.01 )  
*A61K 38/08* ( 2019.01 )  
 (43) 21.03.2024  
 (62) 2019206438  
 (72) SASIKUMAR, Pottayil Govindan Nair; RAMACHANDRA, Muralidhara; NAREMADDEPALLI, Seetharamiah Setty Sudarshan; CHENNAKRISHNAREDDY, Gundala  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Ausco Modular Pty Limited  
 (11) AU-A-2024201374  
 (21) 2024201374 (22) 29.02.2024  
 (54) Provision of waterproofing and sheltering in modular buildings  
 (51) Int. Cl.  
*E04D 3/366* ( 2006.01 )  
*E04B 1/343* ( 2006.01 )  
*E04D 13/15* ( 2006.01 )  
 (43) 21.03.2024  
 (61) 2020277259  
 (62) 2020277259  
 (72) Paneni, Carlo; O'Donnell, Shaun; Zirbel, Daemon  
 (74) Davies Collison Cave Pty Ltd

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(71) Beijing Baidu Netcom Science Technology Co., Ltd.  
 (11) AU-A-2023216867  
 (21) 2023216867 (22) 18.08.2023  
 (54) Quantum gate generation method and apparatus, electronic device, and medium  
 (51) Int. Cl.  
*G06N 10/40* ( 2022.01 )  
 (31) 202211057656.8 (32) 30.08.22 (33) CN  
 (43) 21.03.2024  
 (72) WANG, Jingbo; CHEN, Yuao  
 (74) Davies Collison Cave Pty Ltd

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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (11) AU-A-2023224143  
 (21) 2023224143 (22) 04.09.2023  
 (54) Method and apparatus for modeling object, storage medium, and vehicle control method  
 (51) Int. Cl.  
*G06T 7/207* ( 2017.01 )  
*B60W 60/00* ( 2020.01 )  
 (31) 202211083146.8 (32) 06.09.22 (33) CN  
 (43) 21.03.2024  
 (72) LI, Zhichao; WANG, Naiyan  
 (74) FB Rice Pty Ltd

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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (11) AU-A-2023224615  
 (21) 2023224615 (22) 04.09.2023  
 (54) Parameterization method for point cloud data and map construction method  
 (51) Int. Cl.  
*G01C 21/26* ( 2006.01 )  
*G01S 17/89* ( 2020.01 )  
*G06T 7/11* ( 2017.01 )  
*G06T 17/00* ( 2006.01 )  
 (31) 202211085064.7 (32) 06.09.22 (33) CN  
 (43) 21.03.2024  
 (72) LIU, Guangwei; ZHOU, Henan; WANG, Naiyan  
 (74) FB Rice Pty Ltd

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(71) butcher, e.  
 (11) AU-A-2022259737  
 (21) 2022259737 (22) 25.10.2022

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(54) Gamma-source Reactor. [ Gamma-radiation Powered Electrical Source Device]  
 (51) Int. Cl.  
**G21H 1/06** ( 2006.01 )  
**G21H 1/12** ( 2006.01 )  
 (31) 2022902523 (32) 02.09.22 (33) AU  
 (43) 21.03.2024  
 (72) Butcher, Eugene  
 (74) eugene butcher

(71) BYD Company Limited  
 (11) AU-A-2024201421  
 (21) 2024201421 (22) 04.03.2024  
 (54) Vehicle-mounted power supply apparatus and vehicle having same  
 (51) Int. Cl.  
**H05K 9/00** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021305749  
 (72) WU, Bin; LONG, Baochuan; DU, Lianjun; LIANG, Shulin; WANG, Chao  
 (74) MINTER ELLISON

(71) CareFusion 303, Inc.  
 (11) AU-A-2024201384  
 (21) 2024201384 (22) 01.03.2024  
 (54) Needleless connector with support member  
 (51) Int. Cl.  
**A61M 39/24** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021269422  
 (72) YEH, Jonathan; ZOLLINGER, Christopher J.; MANSOUR, George Michel; QUACH, Matthew  
 (74) FB Rice Pty Ltd

(71) Caterpillar Underground Mining Pty Ltd  
 (11) AU-A-2022224736  
 (21) 2022224736 (22) 30.08.2022  
 (54) Underground mine energy management system  
 (51) Int. Cl.  
**G06Q 50/02** ( 2012.01 )  
**G01C 21/34** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
**H04W 84/18** ( 2009.01 )  
**G01R 31/36** ( 2020.01 )  
**H02J 15/00** ( 2006.01 )  
 (43) 21.03.2024  
 (72) Dowling, Alexander Eli  
 (74) FPA Patent Attorneys Pty Ltd

(71) Chugai Seiyaku Kabushiki Kaisha  
 (11) AU-A-2024201439  
 (21) 2024201439 (22) 05.03.2024  
 (54) ANTIBODIES COMPRISING AN ION CONCENTRATION DEPENDENT ANTIGEN-BINDING DOMAIN, FC REGION VARIANTS, IL-8-BINDING ANTIBODIES, AND USES THEREOF  
 (51) Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**C07K 14/235** ( 2006.01 )

(43) 21.03.2024  
 (62) 2020250266  
 (72) IGAWA, Tomoyuki; MAEDA, Atsuhiko; HARAYA, Kenta; TACHIBANA, Tatsuhiko; IWAYANAGI, Yuki; HORI, Yuji  
 (74) Spruson & Ferguson

(71) CMR Surgical Limited  
 (11) AU-A-2024201458  
 (21) 2024201458 (22) 05.03.2024  
 (54) Controlling movement of a surgical robot arm  
 (51) Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 34/00** ( 2016.01 )  
 (43) 21.03.2024  
 (62) 2021225384  
 (72) HARES, Luke David Ronald; ROBERTS, Paul Christopher; DEANE, Gordon Thomas; VEITCH, Graham John  
 (74) FB Rice Pty Ltd

(71) Crush Dynamics Inc.  
 (11) AU-A-2023274199  
 (21) 2023274199 (22) 01.12.2023  
 (54) SYSTEM, PROCESS, USE AND FOOD PRODUCT OR INGREDIENT DERIVED FROM FRUIT WINE DERIVATIVES  
 (51) Int. Cl.  
**C12F 3/06** ( 2006.01 )  
**A23L 5/43** ( 2016.01 )  
**A23L 27/12** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**A23L 33/145** ( 2016.01 )  
 (43) 21.03.2024  
 (62) 2022227271  
 (72) Gordon Sean Clancy; Gary Strachan; William Broddy  
 (74) Alder IP Pty Ltd

(71) Curirx Inc.  
 (11) AU-A-2024201438  
 (21) 2024201438 (22) 05.03.2024  
 (54) Formulations for enteric delivery of therapeutic agents  
 (51) Int. Cl.  
**A61K 9/51** ( 2006.01 )  
**A61K 31/704** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2017341753  
 (72) Javeri, Indu; Nellaiappan, Kaliapanadar  
 (74) Adams Pluck

(71) D3 Bio(Wuxi) Co., Ltd  
 (11) AU-A-2024201366  
 (21) 2024201366 (22) 29.02.2024  
 (54) Pyrimidoheterocyclic Compounds And Application Thereof  
 (51) Int. Cl.  
**C07D 403/04** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/558** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

**C07D 419/04** ( 2006.01 )  
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**C07D 491/052** ( 2006.01 )

(43) 21.03.2024  
 (62) 2021233058  
 (72) ZHANG, Yang; WU, Wentao; ZHANG, Jing; SUN, Jikui; XU, Yangyang; CHEN, Zhijian; JIN, John Fenyu; CHEN, Shuhui  
 (74) WRAYS PTY LTD

(71) Deere & Company  
 (11) AU-A-2023208165  
 (21) 2023208165 (22) 27.07.2023  
 (54) Greaseless gauge wheel arm assembly  
 (51) Int. Cl.  
**A01C 5/06** ( 2006.01 )  
**A01C 7/20** ( 2006.01 )  
 (31) 17/898,744 (32) 30.08.22 (33) US  
 (43) 21.03.2024  
 (72) Martin, Robert W.  
 (74) Davies Collison Cave Pty Ltd

(71) DePuy Ireland Unlimited Company  
 (11) AU-A-2024201348  
 (21) 2024201348 (22) 29.02.2024  
 (54) Femoral trialling kit and assembly  
 (51) Int. Cl.  
**A61F 2/36** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018253329  
 (72) BUSHELL, Sarah; DAVIDSON, Craig; WITHERS, Philippa; YOUNG, Duncan  
 (74) Spruson & Ferguson

(71) E Ink Corporation  
 (11) AU-A-2024201461  
 (21) 2024201461 (22) 06.03.2024  
 (54) IMPROVED DRIVING VOLTAGES FOR ADVANCED COLOR ELECTROPHORETIC DISPLAYS AND DISPLAYS WITH IMPROVED DRIVING VOLTAGES  
 (51) Int. Cl.  
**G02F 1/167** ( 2019.01 )  
**G02F 1/1675** ( 2019.01 )  
**G02F 1/1676** ( 2019.01 )  
**G09G 3/34** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021344334  
 (72) TELFER, Stephen J.; LADAVAC, Kosta; HOOGEBOOM, Christopher L.  
 (74) RnB IP Pty Ltd

(71) Endo Ventures Limited  
 (11) AU-A-2024201429  
 (21) 2024201429 (22) 04.03.2024  
 (54) APPARATUS AND METHOD FOR ASSESSING AND TREATING CELLULITE  
 (51) Int. Cl.  
**A61B 5/103** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61Q 19/06** ( 2006.01 )

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(43) 21.03.2024  
 (62) 2022271390  
 (72) Davidson, Jeffrey; McLane, Michael; Liu, Genzhou  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) EYEGENE INC.  
 (11) AU-A-2023274159  
 (21) 2023274159 (22) 06.09.2023  
 (54) COMPOSITION FOR IN-VIVO DELIVERING mRNA CONTAINING MODIFIED NUCLEOTIDE  
 (51) Int. Cl.  
 A61K 47/69 ( 2017.01 )  
 A61K 9/127 ( 2006.01 )  
 (31) 10-2022-0113631 (32) 07.09.22 (33) KR  
 10-2023-0102612 07.08.23 KR  
 (43) 21.03.2024  
 (72) CHO, Yang Je; KIM, Seok Hyun; KIM, Kwangsung  
 (74) FB Rice Pty Ltd

(71) FBJ Holdings Pty Ltd  
 (11) AU-A-2023222889  
 (21) 2023222889 (22) 30.08.2023  
 (54) MODULAR FURNITURE  
 (51) Int. Cl.  
 A47B 47/04 ( 2006.01 )  
 A47B 47/00 ( 2006.01 )  
 A47B 87/00 ( 2006.01 )  
 A47B 87/02 ( 2006.01 )  
 (31) 2022902487 (32) 30.08.22 (33) AU  
 (43) 21.03.2024  
 (72) Thornton, Mitchell  
 (74) Ahearn Fox

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2024201383  
 (21) 2024201383 (22) 01.03.2024  
 (54) HIGH FREQUENCY WELDING FOR HEADGEAR  
 (51) Int. Cl.  
 A61M 16/06 ( 2006.01 )  
 A62B 9/00 ( 2006.01 )  
 B23K 13/00 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021204771  
 (72) McLaren, Mark Arvind; Webb, Andrew James  
 (74) AJ PARK

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2024201393  
 (21) 2024201393 (22) 01.03.2024  
 (54) APPARATUS FOR USE IN A RESPIRATORY SUPPORT SYSTEM  
 (51) Int. Cl.  
 A61M 16/08 ( 2006.01 )  
 A61M 39/10 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2019321762  
 (72) LAU, Andrew Chi Lup; KLENNER, Jason Allan; O'CONNOR, Mark Thomas; POWELL, Kevin Blake; LAING, Brent Ian  
 (74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2024201308  
 (21) 2024201308 (22) 27.02.2024  
 (54) Methods and systems for delivering gas to a patient  
 (51) Int. Cl.  
 A61M 16/16 ( 2006.01 )  
 A61M 13/00 ( 2006.01 )  
 G01N 7/00 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021240174  
 (72) Ghalib, Ali Ghalib Abdul Rahman; Tessa, Lina; Surendra, Wisnu Arya; Chan, Jessica Kristen; Strevens, Joseph Patrick Walter; Baumann, Monika  
 (74) Chapman Tripp Patents Limited

(71) General Mills, Inc.  
 (11) AU-A-2023222917  
 (21) 2023222917 (22) 31.08.2023  
 (54) High collagen brownie and methods of making  
 (51) Int. Cl.  
 A21D 13/80 ( 2017.01 )  
 A21D 2/26 ( 2006.01 )  
 A21D 8/06 ( 2006.01 )  
 (31) 63/403,163 (32) 01.09.22 (33) US  
 (43) 21.03.2024  
 (72) BECK, Rachel; FORTENER, Emily; NELSON, Carrie; ROSENE, Sara; SADOWSKI, Brian; SNEDDON, Kelsey Ann; UY, Carol; WANNER, Katie  
 (74) FB Rice Pty Ltd

(71) Genovie AB  
 (11) AU-A-2024200154  
 (21) 2024200154 (22) 10.01.2024  
 (54) An engineered multi-component system for identification and characterisation of T-cell receptors, T-cell antigens and their functional interaction  
 (51) Int. Cl.  
 C07K 14/725 ( 2006.01 )  
 C12N 5/0783 ( 2010.01 )  
 C12N 15/63 ( 2006.01 )  
 C12N 15/85 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2017352590  
 (72) JARVIS, Reagan Micheal; HILL, Ryan Edward; PASE, Luke Benjamin  
 (74) FB Rice Pty Ltd

(71) Glazer, S.D.  
 (11) AU-A-2024201396  
 (21) 2024201396 (22) 01.03.2024  
 (54) Compositions and methods for the treatment of skin lesions  
 (51) Int. Cl.  
 A61K 9/00 ( 2006.01 )  
 A61K 9/10 ( 2006.01 )  
 A61K 31/196 ( 2006.01 )  
 A61K 31/513 ( 2006.01 )  
 A61K 31/593 ( 2006.01 )  
 A61K 45/06 ( 2006.01 )

A61P 35/00 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018366047  
 (72) GLAZER, Scott David  
 (74) Spruson & Ferguson

(71) Globberide, Inc.  
 (11) AU-A-2023202972  
 (21) 2023202972 (22) 12.05.2023  
 (54) FISHING REEL SEAT  
 (51) Int. Cl.  
 A01K 87/06 ( 2006.01 )  
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 (43) 21.03.2024  
 (72) USHINOHAMA, Kosuke; HARADA, Kenji; JOJIMA, Hiroshi  
 (74) Griffith Hack

(71) Google LLC  
 (11) AU-A-2024201361  
 (21) 2024201361 (22) 29.02.2024  
 (54) PROCESSING IMAGES USING SELF-ATTENTION BASED NEURAL NETWORKS  
 (51) Int. Cl.  
 G06N 3/04 ( 2023.01 )  
 G06N 3/08 ( 2023.01 )  
 (43) 21.03.2024  
 (62) 2021354030  
 (72) HOULSBY, Neil Matthew Timmouth; GELLY, Sylvain; USZKOREIT, Jakob D.; ZHAI, Xiaohua; HEIGOLD, Georg; BEYER, Lucas Klaus; KOLESNIKOV, Alexander; MINDERER, Matthias Johannes Lorenz; WEISSENBORN, Dirk; DEGHANI, Mostafa; DOSOVITSKIY, Alexey; UNTERTHINER, Thomas  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Google LLC  
 (11) AU-A-2024201412  
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 (54) DENOISING QUBIT CALIBRATION DATA WITH DEEP LEARNING  
 (51) Int. Cl.  
 G06N 10/00 ( 2022.01 )  
 G06N 3/04 ( 2023.01 )  
 G06N 3/045 ( 2023.01 )  
 G06N 3/08 ( 2023.01 )  
 G06N 10/60 ( 2022.01 )  
 (43) 21.03.2024  
 (62) 2020401536  
 (72) KLIMOV, Paul Victor  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Guangdong Shiguanwei Sanitary Ware Co., Ltd.  
 (11) AU-A-2023222875  
 (21) 2023222875 (22) 30.08.2023  
 (54) Bidet with integrated built-in water tank  
 (51) Int. Cl.  
 E03C 1/12 ( 2006.01 )  
 E03D 1/28 ( 2006.01 )  
 E03D 11/06 ( 2006.01 )

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**(43)** 21.03.2024  
**(72)** Lu, Liuping  
**(74)** Remarkable IP

**(71)** Hanes Innerwear Australia Pty Ltd  
**(11)** AU-A-2024201453  
**(21)** 2024201453 **(22)** 05.03.2024  
**(54)** Protective pad or garment portion  
**(51)** Int. Cl.  
**A41B 9/04** ( 2006.01 )  
**A41B 9/02** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
**A61F 13/49** ( 2006.01 )  
**A61F 13/511** ( 2006.01 )  
**A61F 13/513** ( 2006.01 )  
**A61F 13/514** ( 2006.01 )  
**B32B 5/02** ( 2006.01 )  
**B32B 5/06** ( 2006.01 )  
**B32B 5/08** ( 2006.01 )  
**B32B 5/26** ( 2006.01 )  
**B32B 27/12** ( 2006.01 )  
**B32B 27/40** ( 2006.01 )  
**D04B 1/24** ( 2006.01 )  
**D06M 16/00** ( 2006.01 )

**(43)** 21.03.2024  
**(62)** 2021221759  
**(72)** Mellos, Heidi  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Harsco Technologies LLC  
**(11)** AU-A-2024201356  
**(21)** 2024201356 **(22)** 29.02.2024  
**(54)** TRACK GEOMETRY MEASUREMENT SYSTEM WITH INERTIAL MEASUREMENT  
**(51)** Int. Cl.  
**B61D 15/08** ( 2006.01 )  
**B61K 9/08** ( 2006.01 )  
**G01C 19/00** ( 2013.01 )  
**G01D 21/02** ( 2006.01 )  
**G01P 15/02** ( 2013.01 )

**(43)** 21.03.2024  
**(62)** 2018246236  
**(72)** Corbin, John C.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** HC-ATM GROUP PTY LTD  
**(11)** AU-A-2023226630  
**(21)** 2023226630 **(22)** 04.09.2023  
**(54)** VEHICULAR ENGINE MOUNT ASSEMBLY  
**(51)** Int. Cl.  
**B60K 5/12** ( 2006.01 )  
**(31)** 2022902566 **(32)** 06.09.22 **(33)** AU  
**(43)** 21.03.2024  
**(72)** Curti, Murray Sydney  
**(74)** Michael Buck IP

**(71)** HDR SG PTE. LTD.  
**(11)** AU-A-2024201446  
**(21)** 2024201446 **(22)** 05.03.2024

**(54)** Systems and methods for mobile digital currency future exchange

**(51)** Int. Cl.  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )

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**(62)** 2020343476  
**(72)** KIGHT, Lawson; SCHLENKER, Brandon; LEVASSEUR, Victor; WONG, Jinny; PHILIPPE, Joshua; CURRY, Michael; CRUCE, Bradley  
**(74)** Spruson & Ferguson

**(71)** Hensley Industries, Inc.  
**(11)** AU-A-2024201369  
**(21)** 2024201369 **(22)** 29.02.2024  
**(54)** Bucket lip stabilizer structure  
**(51)** Int. Cl.  
**E02F 3/00** ( 2006.01 )  
**E02F 3/40** ( 2006.01 )  
**E02F 9/00** ( 2006.01 )

**(43)** 21.03.2024  
**(62)** 2021290263  
**(72)** JAKUBISIN, John Scott; AUG, Keith Daniel; BILAL, Mohamad Youssef  
**(74)** FB Rice Pty Ltd

**(71)** Hidrate, Inc.  
**(11)** AU-A-2024201321  
**(21)** 2024201321 **(22)** 28.02.2024  
**(54)** WIRELESS DRINK CONTAINER FOR MONITORING HYDRATION  
**(51)** Int. Cl.  
**A47G 19/22** ( 2006.01 )  
**A45F 3/16** ( 2006.01 )  
**A47G 23/16** ( 2006.01 )

**(43)** 21.03.2024  
**(62)** 2021200519  
**(72)** Hambrock, Alexander; Iverson, Coleman; Nguyen, Ngoc Thi Van; Feeken, Alexandra; Heaver, Travis; Engeriser, Matt; Schmokel, Paul  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** HINGE HEALTH, INC.  
**(11)** AU-A-2024201289  
**(21)** 2024201289 **(22)** 27.02.2024  
**(54)** PATIENT-CENTERED MUSCULO-SKELETAL (MSK) CARE SYSTEM AND ASSOCIATED PROGRAMS FOR THERAPIES FOR DIFFERENT ANATOMICAL REGIONS  
**(51)** Int. Cl.  
**A63B 26/00** ( 2006.01 )  
**A63B 71/00** ( 2006.01 )

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**(62)** 2022218177  
**(72)** HUNTER, Simon; PEREZ, Daniel; MECKLENBURG, Gabriel; REMAK, Avigail; PLETCHER, Charles; KINSELLA, Rose  
**(74)** RnB IP Pty Ltd

**(71)** HINGE HEALTH, INC.  
**(11)** AU-A-2024201291  
**(21)** 2024201291 **(22)** 27.02.2024  
**(54)** PATIENT-CENTERED MUSCULO-SKELETAL (MSK) CARE SYSTEM AND ASSOCIATED PROGRAMS FOR THERAPIES FOR DIFFERENT ANATOMICAL REGIONS  
**(51)** Int. Cl.  
**G16H 20/30** ( 2018.01 )  
**A63B 24/00** ( 2006.01 )  
**A63B 71/00** ( 2006.01 )  
**G06V 40/20** ( 2022.01 )  
**G16H 10/60** ( 2018.01 )  
**G16H 40/20** ( 2018.01 )

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**(72)** HUNTER, Simon; PEREZ, Daniel; MECKLENBURG, Gabriel; REMAK, Avigail; PLETCHER, Charles; KINSELLA, Rose  
**(74)** RnB IP Pty Ltd

**(71)** Hitachi, Ltd.  
**(11)** AU-A-2024201401  
**(21)** 2024201401 **(22)** 01.03.2024  
**(54)** Vehicle operation planning assistance apparatus and vehicle operation planning assistance method  
**(51)** Int. Cl.  
**G06Q 10/0631** ( 2023.01 )  
**G06Q 50/40** ( 2024.01 )  
**(43)** 21.03.2024  
**(62)** 2020438051  
**(72)** YAMASHITA, Yuko; KOBAYASHI, Yui-chi; MAEKAWA, Yuki; KAZAWA, Yui; OKADA, Kenichiro; KODERA, Yoshimi; TAKAHASHI, Maiko  
**(74)** Davies Collison Cave Pty Ltd

**(71)** HONEYWELL INTERNATIONAL INC.  
**(11)** AU-A-2024201310  
**(21)** 2024201310 **(22)** 27.02.2024  
**(54)** Methods for identifying key performance indicators  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G05B 13/04** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**G06F 9/54** ( 2006.01 )

**(43)** 21.03.2024  
**(62)** 2022201428  
**(72)** ROBERT, Alen; TRENCHARD, Andrew J.; NARAYAN, Anand  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2024201345  
**(21)** 2024201345 **(22)** 29.02.2024  
**(54)** METHOD AND APPARATUS FOR INTRA SMOOTHING  
**(51)** Int. Cl.  
**H04N 19/105** ( 2014.01 )  
**(43)** 21.03.2024  
**(62)** 2020247242  
**(72)** Filippov, Alexey Konstantinovich; Ruffitskiy, Vasily Alexeevich; Chen, Jianle  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2024201346  
 (21) 2024201346 (22) 29.02.2024  
 (54) AN ENCODER, A DECODER, AND CORRESPONDING METHODS THAT ARE USED FOR TRANSFORM PROCESS  
 (51) Int. Cl.  
**H04N 19/60** ( 2014.01 )  
 (43) 21.03.2024  
 (62) 2020233004  
 (72) Gao, Han; Esenlik, Semih; Wang, Biao; Kotra, Anand Meher; Chen, Jianle  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2024201357  
 (21) 2024201357 (22) 29.02.2024  
 (54) PICTURE PREDICTION METHOD AND APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM  
 (51) Int. Cl.  
**H04N 19/103** ( 2014.01 )  
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 (62) 2020261145  
 (72) Chen, Xu; Chen, Huanbang; Yang, Haitao; Zhang, Lian  
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(71) HUNG TA GARDEN ENTERPRISE CO., LTD.  
 (11) AU-A-2022224859  
 (21) 2022224859 (22) 02.09.2022  
 (54) Hose-Joint Combination  
 (51) Int. Cl.  
**F16L 37/244** ( 2006.01 )  
**F16L 11/10** ( 2006.01 )  
**F16L 37/48** ( 2006.01 )  
 (43) 21.03.2024  
 (72) HUANG, Huang-Fu  
 (74) Collison & Co

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(71) Illumina, Inc.  
 (11) AU-A-2024201323  
 (21) 2024201323 (22) 28.02.2024  
 (54) Multiplexed single cell gene expression analysis using template switch and tagmentation  
 (51) Int. Cl.  
**C12N 15/10** ( 2006.01 )  
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 (62) 2021203246  
 (72) Kaper, Fiona; Fan, Jian-Bing; Salathia, Neeraj; Cann, Gordon M.; Jamshidi, Arash; Aravanis, Alex  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Incarda Therapeutics, Inc.  
 (11) AU-A-2024201359  
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 (54) ANTIARRHYTHMIC FORMULATION  
 (51) Int. Cl.  
**A61K 31/4458** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )

**A61K 31/445** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 47/40** ( 2006.01 )  
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 (72) Schuler, Carlos; Belardinelli, Luiz; Madhavapeddi, Prashanti; Hurrey, Michael Laird  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Insight AG Pty Ltd  
 (11) AU-A-2023226680  
 (21) 2023226680 (22) 06.09.2023  
 (54) Metering and flushing tool  
 (51) Int. Cl.  
**B67D 3/00** ( 2006.01 )  
**B08B 3/04** ( 2006.01 )  
**B08B 9/08** ( 2006.01 )  
**B65D 47/06** ( 2006.01 )  
**B65D 47/32** ( 2006.01 )  
**B67D 7/02** ( 2010.01 )  
**B67D 7/06** ( 2010.01 )  
**B08B 9/093** ( 2006.01 )  
 (31) 2022902570 (32) 06.09.22 (33) AU  
 (43) 21.03.2024  
 (72) Pettenon, Stephen  
 (74) Golja Haines & Friend

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(71) Integrated DNA Technologies, Inc.  
 (11) AU-A-2024201449  
 (21) 2024201449 (22) 05.03.2024  
 (54) Novel mutations that enhance the DNA cleavage activity of acidaminococcus sp. CPF1  
 (51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
 (43) 21.03.2024  
 (62) 2019319230  
 (72) ZHANG, Liyang; VAKULSKAS, Christopher Anthony; BODE, Nicole Mary; COLLINGWOOD, Michael Allen; BELTZ, Kristin Renee; BEHLKE, Mark Aaron  
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(71) Itron, Inc.  
 (11) AU-A-2023204695  
 (21) 2023204695 (22) 14.07.2023  
 (54) Utility restriction compliance monitoring and mitigation  
 (51) Int. Cl.  
**G06Q 50/06** ( 2012.01 )  
**G05B 19/048** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
 (31) 17/901,961 (32) 02.09.22 (33) US  
 (43) 21.03.2024  
 (72) Kann, James Lee  
 (74) FPA Patent Attorneys Pty Ltd

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(71) JINKO SOLAR (HAINING) CO., LTD.  
 (11) AU-A-2023263470  
 (21) 2023263470 (22) 29.08.2023  
 (54) METHOD FOR MANUFACTURING PHOTOVOLTAIC MODULE, AND PHOTOVOLTAIC MODULE

(51) Int. Cl.  
**H01L 31/048** ( 2014.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/05** ( 2014.01 )  
**H01L 31/18** ( 2006.01 )  
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 (43) 21.03.2024  
 (72) HUANG, Shiliang; GUO, Zhiqiu; GUAN, Yingli; YANG, Jingguo  
 (74) Franke Hyland Pty Ltd

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(71) JPL Global, LLC  
 (11) AU-A-2024201428  
 (21) 2024201428 (22) 04.03.2024  
 (54) ROTATABLE FILTER SYSTEM AND METHODOLOGY  
 (51) Int. Cl.  
**B01D 46/52** ( 2006.01 )  
**B01D 29/62** ( 2006.01 )  
**B28D 7/02** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018288842  
 (72) FAIRWEATHER, Mitch; CURTIS, Stephen M.; GUTH, Paul W.; OTT, Randy  
 (74) Madderns Pty Ltd

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(71) KDB INTELLECTUAL PTY LTD  
 (11) AU-A-2023222985  
 (21) 2023222985 (22) 01.09.2023  
 (54) MULTI-LOCK COMPRISING A KEY-LESS LOCK FOR CLOSURES  
 (51) Int. Cl.  
**E05B 63/14** ( 2006.01 )  
**E05B 47/02** ( 2006.01 )  
**E05B 47/06** ( 2006.01 )  
**E05B 63/00** ( 2006.01 )  
**E05B 63/02** ( 2006.01 )  
**E05B 63/08** ( 2006.01 )  
**E05B 65/06** ( 2006.01 )  
**E05B 65/08** ( 2006.01 )  
**E05B 65/10** ( 2006.01 )  
**E05C 1/00** ( 2006.01 )  
**E05C 1/02** ( 2006.01 )  
**E05B 39/02** ( 2006.01 )  
**E05B 47/00** ( 2006.01 )  
 (31) 2022902509 (32) 01.09.22 (33) AU  
 (43) 21.03.2024  
 (72) EVERETT, Timothy Riva  
 (74) Oxygene IP

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 (21) 2024201376

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(71) KOREA ZINC CO., LTD.  
 (11) AU-A-2023222912  
 (21) 2023222912 (22) 02.05.2023  
 (54) METHOD FOR PRODUCING MANGANESE(II) SULFATE MONOHYDRATE FROM BYPRODUCT OF ZINC REFINING PROCESS  
 (51) Int. Cl.  
**C01G 45/10** ( 2006.01 )  
 (87) WO2023/211260  
 (31) 10-2022-0111576 (32) 02.09.22 (33) KR  
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(72) KIM, Min Ji; PARK, Sang Chil  
(74) ET Intellectual Property

(71) KOREA ZINC CO., LTD.; KEMCO  
(11) AU-A-2024201376  
(21) 2024201376 (22) 29.02.2024  
(54) METHOD FOR PRODUCING  
AQUEOUS SOLUTION CONTAINING  
NICKEL OR COBALT  
(51) Int. Cl.  
C22B 3/04 (2006.01)  
C01G 53/00 (2006.01)

(43) 21.03.2024  
(62) 2023222911  
(72) CHOI, Heon Sik; JOO, Jae Hoon;  
CHOI, Chang Young  
(74) ET Intellectual Property

(71) KUNMING UNIVERSITY OF SCIENCE  
AND TECHNOLOGY  
(11) AU-A-2023222824  
(21) 2023222824 (22) 28.08.2023  
(54) HIGH ENTROPY COLLECTING FLOT-  
ATION METHOD FOR LOW GRADE  
ZINC OXIDE ORE  
(51) Int. Cl.  
B03D 1/018 (2006.01)  
B03D 1/002 (2006.01)  
B03D 1/012 (2006.01)  
B03D 1/02 (2006.01)  
C22B 1/00 (2006.01)  
C22B 3/12 (2006.01)  
C22B 19/02 (2006.01)  
C22B 19/20 (2006.01)  
B03D 101/02 (2006.01)  
B03D 103/04 (2006.01)

(31) 202211062016.6 (32) 01.09.22 (33) CN  
(43) 21.03.2024  
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Zhiwei; ZHANG, Qian; HAN, Guang;  
SHEN, Zhihao; ZUO, Qi; ZHANG,  
Song; MIAO, Yongchao  
(74) Northern Lights IP

(71) L'Ecuyer, G.  
(11) AU-A-2024201379  
(21) 2024201379 (22) 01.03.2024  
(54) Grill with stove attachment device  
(51) Int. Cl.  
F24C 1/16 (2006.01)  
A47J 37/07 (2006.01)  
F24C 3/08 (2006.01)  
F24C 3/14 (2006.01)  
F24C 5/12 (2006.01)  
F24C 5/20 (2006.01)

(43) 21.03.2024  
(62) 2018285556  
(72) L' ECUYER, Gerald V.  
(74) FPA Patent Attorneys Pty Ltd

(71) LanzaTech, Inc.  
(11) AU-A-2024201435  
(21) 2024201435 (22) 05.03.2024

(54) Microorganisms and methods for the  
biological production of ethylene glycol  
(51) Int. Cl.  
C12P 7/18 (2006.01)  
C12N 9/02 (2006.01)  
C12N 9/06 (2006.01)  
C12N 9/10 (2006.01)  
C12N 9/88 (2006.01)  
C12P 7/06 (2006.01)  
C12P 7/42 (2006.01)  
C12P 7/46 (2006.01)

(43) 21.03.2024  
(62) 2018393075  
(72) KOEPKE, Michael; JENSEN, Rasmus  
(74) SR Intellectual Property

(71) LG Electronics Inc.  
(11) AU-A-2024201368  
(21) 2024201368 (22) 29.02.2024  
(54) METHOD AND DEVICE FOR IMAGE  
CODING USING MOTION VECTOR  
DIFFERENCES  
(51) Int. Cl.  
H04N 19/573 (2014.01)  
H04N 19/105 (2014.01)  
H04N 19/109 (2014.01)  
H04N 19/132 (2014.01)  
H04N 19/176 (2014.01)  
H04N 19/513 (2014.01)  
H04N 19/70 (2014.01)

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(62) 2020292097  
(72) PARK, Naeri; NAM, Junghak; JANG,  
Hyeongmoon  
(74) Dentons Patent Attorneys Australasia  
Limited

(71) Local Air Purification Pty Ltd  
(11) AU-A-2022228126  
(21) 2022228126 (22) 07.09.2022  
(54) A VENTILATION DEVICE  
(51) Int. Cl.  
F24F 7/007 (2006.01)  
A47B 13/00 (2006.01)  
A47B 37/00 (2006.01)  
F24F 7/013 (2006.01)

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(72) Nieves, Jesse  
(74) Wynnes Patent and Trade Mark Attor-  
neys Pty Ltd

(71) Lycopodium Minerals Pty Ltd  
(11) AU-A-2023204071  
(21) 2023204071 (22) 26.06.2023  
(54) Low Headroom Classification and Grav-  
ity Circuit  
(51) Int. Cl.  
B03B 7/00 (2006.01)  
B03B 5/40 (2006.01)  
B03D 1/14 (2006.01)  
B04C 5/14 (2006.01)  
B04C 9/00 (2006.01)  
C22B 1/00 (2006.01)  
C22B 11/00 (2006.01)

(31) 2022902494 (32) 30.08.22 (33) AU  
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(72) Luies, Johan Albertus; Giddy, Mark;  
Ruggiero, Bruno  
(74) WRAYS PTY LTD

(71) Magic Leap, Inc.  
(11) AU-A-2024201457  
(21) 2024201457 (22) 05.03.2024  
(54) Eyepiece for virtual, augmented, or  
mixed reality systems  
(51) Int. Cl.  
G02B 5/18 (2006.01)  
G02B 27/00 (2006.01)  
G02F 1/1334 (2006.01)  
G03B 21/00 (2006.01)

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(62) 2023201266  
(72) Browy, Eric; Klug, Michael Anthony;  
Tekolste, Robert Dale; Welch, Willi-  
am Hudson; Liu, Victor Kai; Bhargava,  
Samarth  
(74) Davies Collison Cave Pty Ltd

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University of Michigan  
(21) 2024201413

(71) MasterCard International Incorporated  
(11) AU-A-2024201398  
(21) 2024201398 (22) 01.03.2024  
(54) Systems and methods for recommend-  
ing merchants  
(51) Int. Cl.  
G06Q 30/06 (2023.01)

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(62) 2021286447  
(72) MERZ, Christopher J.; LO FARO, Wal-  
ter; HOSP, Adam K.; STOCKE, Mat-  
thew Richard; HENDRIX, Stephen P.;  
GROTHER Jr., Robert T.  
(74) Spruson & Ferguson

(71) MAX CO., LTD.  
(11) AU-A-2023222887  
(21) 2023222887 (22) 30.08.2023  
(54) BINDING MACHINE  
(51) Int. Cl.  
B65B 13/28 (2006.01)  
B21F 3/00 (2006.01)  
B21F 15/04 (2006.01)  
B65B 13/04 (2006.01)  
E04G 21/12 (2006.01)

(31) 2022-139996 (32) 02.09.22 (33) JP  
(43) 21.03.2024  
(72) MORIJIRI, Takeshi; ITO, Takahiro  
(74) AJ PARK

(71) Morphic Therapeutic, Inc.  
(11) AU-A-2024201414  
(21) 2024201414 (22) 04.03.2024  
(54) Inhibitors of (alpha-v)(beta-6) integrin  
(51) Int. Cl.  
C07D 401/12 (2006.01)  
C07D 471/04 (2006.01)

(43) 21.03.2024  
(62) 2022201908  
(72) BREWER, Mark; BURSAVICH, Mat-  
thew Gregory; GERASYUTO, Aleksey  
Lgorevich; HAHN, Kristopher Neil;  
HARRISON, Bryce Alden; KONZE, Kyle

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David; LIN, Fu-Yang; LIPPA, Blaise Scott; LUGOVSKOY, Alexey Alexandrovich; ROGERS, Bruce Nelsen; SVENSSON, Mats Ake; TROAST, Dawn Marie  
**(74)** Spruson & Ferguson

**(71)** Nanjing Chervon Industry Co., Ltd.  
**(11)** AU-A-2023216903  
**(21)** 2023216903 **(22)** 18.08.2023  
**(54)** POWER TOOL AND CHAINSAW  
**(51)** Int. Cl.  
*B27B 17/12* ( 2006.01 )  
*B27B 17/00* ( 2006.01 )  
**(31)** 202211065902.4 **(32)** 01.09.22 **(33)** CN  
 202211065904.3 01.09.22 CN  
 202310224815.7 09.03.23 CN  
 202320446967.7 09.03.23 CN  
 202320589460.7 23.03.23 CN  
**(43)** 21.03.2024  
**(72)** Zhu, Huaguo; Xiao, Minggui; Liu, Lai  
**(74)** Madderns Pty Ltd

**National Center of Neurology and Psychiatry see Nippon Shinyaku Co., Ltd.**  
**(21)** 2024201290

**(71)** National Institute of Biological Sciences, Beijing  
**(11)** AU-A-2024201372  
**(21)** 2024201372 **(22)** 29.02.2024  
**(54)** DRUG TARGET OF IDIOPATHIC PULMONARY FIBROSIS  
**(51)** Int. Cl.  
*A61K 45/00* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
**(43)** 21.03.2024  
**(62)** 2019448656  
**(72)** TANG, Nan; WU, Huijuan  
**(74)** Madderns Pty Ltd

**(71)** National University Corporation Tottori University; Yamaguchi University  
**(11)** AU-A-2024201332  
**(21)** 2024201332 **(22)** 28.02.2024  
**(54)** ENHANCER FOR T-CELLS OR B-CELLS HAVING MEMORY FUNCTION, MALIGNANT TUMOR RECURRENCE INHIBITOR, AND INDUCER FOR INDUCING MEMORY FUNCTION IN T-CELLS OR B-CELLS  
**(51)** Int. Cl.  
*A61K 35/60* ( 2006.01 )  
*A61K 9/127* ( 2006.01 )  
*A61K 9/51* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
*A61K 35/28* ( 2015.01 )  
*A61K 35/74* ( 2015.01 )  
*A61K 35/76* ( 2015.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C12N 5/0781* ( 2010.01 )  
*C12N 5/0783* ( 2010.01 )  
*C12N 15/24* ( 2006.01 )  
*A61K 38/19* ( 2006.01 )  
*A61K 38/20* ( 2006.01 )

**(43)** 21.03.2024  
**(62)** 2018349889  
**(72)** TAMADA, Koji; SAKODA, Yukimi; ADACHI, Keishi; NAKAMURA, Takafumi  
**(74)** Madderns Pty Ltd

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**(71)** Nexus Mine Pty Ltd  
**(11)** AU-A-2023222902  
**(21)** 2023222902 **(22)** 30.08.2023  
**(54)** Multi-Thickness Ore Unloading Mat  
**(51)** Int. Cl.  
*B60P 1/28* ( 2006.01 )  
*B60R 13/01* ( 2006.01 )  
*B65G 11/16* ( 2006.01 )  
**(31)** 202202383 **(32)** 01.09.22 **(33)** CL  
**(43)** 21.03.2024  
**(72)** MEDEL ECHEVERRÍA, Manuel Alexander  
**(74)** WRAYS PTY LTD

**(71)** Ningbo CasualWay Leisure Products Co., Ltd.  
**(11)** AU-A-2023226699  
**(21)** 2023226699 **(22)** 06.09.2023  
**(54)** A COLLAPSIBLE STRUCTURE FOR SHELTER  
**(51)** Int. Cl.  
*E04H 15/46* ( 2006.01 )  
*E04H 15/38* ( 2006.01 )  
**(31)** 2022110848399 **(32)** 06.09.22 **(33)** CN  
 2022230000301 10.11.22 CN  
**(43)** 21.03.2024  
**(72)** Wu, GuoXiang  
**(74)** MOHAN MURALI KODIVEL

**(71)** Nippon Shinyaku Co., Ltd.; National Center of Neurology and Psychiatry  
**(11)** AU-A-2024201290  
**(21)** 2024201290 **(22)** 27.02.2024  
**(54)** Antisense nucleic acids  
**(51)** Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/712* ( 2006.01 )  
*A61K 31/7125* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 21/04* ( 2006.01 )  
**(43)** 21.03.2024  
**(62)** 2021203383  
**(72)** WATANABE, Naoki; TONE, Yuuichirou; TAKEDA, Shin'ichi; NAGATA, Tetsuya  
**(74)** FB Rice Pty Ltd

**(71)** Nokia Technologies Oy  
**(11)** AU-A-2024201320  
**(21)** 2024201320 **(22)** 28.02.2024  
**(54)** Uplink information based on wake-up signal  
**(51)** Int. Cl.  
*H04W 52/02* ( 2009.01 )  
**(43)** 21.03.2024  
**(62)** 2020427124  
**(72)** TURTINEN, Samuli; WU, Chunli; KOSKINEN, Jussi-Pekka; KAIKKONEN, Jorma; KOSKELA, Timo; DALSGAARD, Lars  
**(74)** Spruson & Ferguson

**(71)** Northrop Grumman Systems Corporation  
**(11)** AU-A-2024201293  
**(21)** 2024201293 **(22)** 27.02.2024  
**(54)** AERIAL VEHICLE HAVING ANTENNA ASSEMBLIES, ANTENNA ASSEMBLIES, AND RELATED METHODS AND COMPONENTS  
**(51)** Int. Cl.  
*H01Q 1/28* ( 2006.01 )  
*B64G 1/58* ( 2006.01 )  
*F42B 15/34* ( 2006.01 )  
*H01Q 1/02* ( 2006.01 )  
*H01Q 11/10* ( 2006.01 )  
*H01Q 21/20* ( 2006.01 )  
*H01R 24/40* ( 2011.01 )  
**(43)** 21.03.2024  
**(62)** 2021244290  
**(72)** Goldberg, Mark Russell; Hunsberger, Harold Kregg; Mills, Helen J.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Onlife Inc.  
**(11)** AU-A-2023206159  
**(21)** 2023206159 **(22)** 20.07.2023  
**(54)** A computer implemented method of determining game player predilection  
**(51)** Int. Cl.  
*A63F 13/61* ( 2014.01 )  
*A63F 13/30* ( 2014.01 )  
*A63F 13/45* ( 2014.01 )  
*G06Q 30/0251* ( 2023.01 )  
*G06Q 50/00* ( 2012.01 )  
**(31)** 2022902528 **(32)** 02.09.22 **(33)** AU  
**(43)** 21.03.2024  
**(72)** Batt, Owen; Satgunasingam, Darma  
**(74)** Burns IP Law Pty Ltd

**(71)** Oticon Medical A/S  
**(11)** AU-A-2024201315  
**(21)** 2024201315 **(22)** 27.02.2024  
**(54)** Implantable Medical Device Comprising a Wireless Transcutaneous Link  
**(51)** Int. Cl.  
*A61N 1/40* ( 2006.01 )  
**(43)** 21.03.2024  
**(62)** 2018211219  
**(72)** Bern, Bengt  
**(74)** Golja Haines & Friend

**(71)** Outokumpu Oyj  
**(11)** AU-A-2024201319  
**(21)** 2024201319 **(22)** 28.02.2024  
**(54)** Resistance welding of unweldable metals with thermal sprayed interlayers  
**(51)** Int. Cl.  
*B23K 9/23* ( 2006.01 )  
*B23K 11/06* ( 2006.01 )  
*B23K 11/10* ( 2006.01 )  
*B23K 11/14* ( 2006.01 )  
*B23K 11/16* ( 2006.01 )  
*B23K 11/20* ( 2006.01 )  
*B23K 26/323* ( 2014.01 )  
*B23K 103/20* ( 2006.01 )  
**(43)** 21.03.2024  
**(62)** 2018223090  
**(72)** Dömkes, Christian; Hündgen, Thomas; Lindner, Stefan  
**(74)** AJ PARK



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- (71) President and Fellows of Harvard College  
 (43) AU-A-2024201441  
 (21) 2024201441 (22) 05.03.2024  
 (54) RNA-guided human genome engineering  
 (51) Int. Cl.  
*C12N 15/00* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021204024  
 (72) CHURCH, George M.; MALI, Prashant; YANG, Luhan  
 (74) Davies Collison Cave Pty Ltd
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- (71) Pride Mobility Products Corporation  
 (11) AU-A-2024201325  
 (21) 2024201325 (22) 28.02.2024  
 (54) Mobility vehicle  
 (51) Int. Cl.  
*B62D 5/04* ( 2006.01 )  
*B60K 17/348* ( 2006.01 )  
*B62D 6/00* ( 2006.01 )  
*B62D 15/02* ( 2006.01 )  
*B62K 5/01* ( 2013.01 )  
*B62K 5/023* ( 2013.01 )  
*B62K 5/08* ( 2006.01 )  
*B62K 11/00* ( 2013.01 )  
*B62K 11/10* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021218084  
 (72) DAVIES, Robert William; KUZMA, Nicholas E; ANTONISHAK, Stephen; MULHERN, James P.; LETUKAS, Anthony  
 (74) Spruson & Ferguson
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- (71) Primewan Limited  
 (11) AU-A-2024201415  
 (21) 2024201415 (22) 04.03.2024  
 (54) DEVICE, METHOD, AND SYSTEM THAT VIRTUALIZE A NETWORK  
 (51) Int. Cl.  
*H04L 47/24* ( 2022.01 )  
*H04L 47/41* ( 2022.01 )  
 (43) 21.03.2024  
 (62) 2021245786  
 (72) LI, Ming; JIA, Yuan Yang  
 (74) Murray Trento & Associates Pty Ltd
- 
- (71) Pro-Mech Engineering Solutions Pty Ltd  
 (11) AU-A-2023222848  
 (21) 2023222848 (22) 29.08.2023  
 (54) A Dual-Seat O-port blade gate slurry valve  
 (51) Int. Cl.  
*F16K 3/02* ( 2006.01 )  
*F16K 3/314* ( 2006.01 )  
*F16K 27/04* ( 2006.01 )  
 (31) 2022902553 (32) 05.09.22 (33) AU  
 (43) 21.03.2024  
 (72) Aggarwal, Nitin  
 (74) Patentec Patent Attorneys
- 
- (71) QuiaPEG Pharmaceuticals AB  
 (11) AU-A-2024201279  
 (21) 2024201279 (22) 26.02.2024  
 (54) RELEASABLE CONJUGATES  
 (51) Int. Cl.  
*A61K 47/60* ( 2017.01 )  
 (43) 21.03.2024  
 (62) 2018231832  
 (72) Kwiatkowski, Marek; Sund, Christian  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) QuietKat, Inc.  
 (11) AU-A-2023219836  
 (21) 2023219836 (22) 22.08.2023  
 (54) Pivotable bicycle rack  
 (51) Int. Cl.  
*B60R 9/10* ( 2006.01 )  
*B60R 9/06* ( 2006.01 )  
 (31) 63/403,207 (32) 01.09.22 (33) US  
 63/530,452 02.08.23 US  
 (43) 21.03.2024  
 (72) STAHL, Stefan; KNIGHT, Tommy  
 (74) Spruson & Ferguson
- 
- (71) Raytheon Company  
 (11) AU-A-2024201294  
 (21) 2024201294 (22) 27.02.2024  
 (54) FLIGHT VEHICLE AIR BREATHING ENGINE WITH ISOLATOR CONTAINING FLOW DIVERTING RAMPS  
 (51) Int. Cl.  
*F02K 7/00* ( 2006.01 )  
*F02C 7/04* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018380924  
 (72) CICCHINI, Nicholas P.  
 (74) RnB IP Pty Ltd
- 
- (71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-A-2024201257  
 (21) 2024201257 (22) 26.02.2024  
 (54) TRANSCRIPTION MODULATION IN ANIMALS USING CRISPR/CAS SYSTEMS  
 (51) Int. Cl.  
*A01K 67/027* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2019239880  
 (72) Hunt, Charleen; Hartford, Suzanne; Gong, Guochun; Zambrowicz, Brian  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Retriever Medical, Inc  
 (11) AU-A-2024201297  
 (21) 2024201297 (22) 27.02.2024  
 (54) CATHETER BASED RETRIEVAL DEVICE WITH PROXIMAL BODY HAVING AXIAL FREEDOM OF MOVEMENT  
 (51) Int. Cl.  
*A61B 17/22* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
*A61B 17/221* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018352118  
 (72) HOROWITZ, Michael Bruce  
 (74) Arcadia Intellectual Property
- 
- (71) Rubicon Biotechnology LLC  
 (11) AU-A-2024201373  
 (21) 2024201373 (22) 29.02.2024  
 (54) Modified heat shock proteins  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018322387  
 (72) PARSEGHIAN, H. Missag  
 (74) Spruson & Ferguson
- 
- (71) Russell, T.E.  
 (11) AU-A-2024201336  
 (21) 2024201336 (22) 28.02.2024  
 (54) Metallurgical steel post design for solar farm foundations and increased guard-rail durability  
 (51) Int. Cl.  
*F24S 25/617* ( 2018.01 )  
 (43) 21.03.2024  
 (62) 2018284352  
 (72) Russell, Thomas E.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Ryan, E.  
 (11) AU-A-2023222926  
 (21) 2023222926 (22) 31.08.2023  
 (54) VETERINARY SURGICAL JIG AND CORRESPONDING BONE PLATE  
 (51) Int. Cl.  
*A61B 17/15* ( 2006.01 )  
*A61B 17/17* ( 2006.01 )  
*A61D 1/00* ( 2006.01 )  
*A61F 2/28* ( 2006.01 )  
 (31) 2022902520 (32) 02.09.22 (33) AU  
 (43) 21.03.2024  
 (72) Ryan, Eamon  
 (74) Adams Pluck
- 
- (71) S & M Trading Pty Ltd  
 (11) AU-A-2024201303  
 (21) 2024201303 (22) 27.02.2024  
 (54) Baby sleeping garment  
 (51) Int. Cl.  
*A41B 13/06* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018201866  
 (72) VILLARREAL, Lourdes  
 (74) FB Rice Pty Ltd
- 
- (71) Sage Products, LLC  
 (11) AU-A-2024201436  
 (21) 2024201436 (22) 05.03.2024  
 (54) Patient positioning and support system  
 (51) Int. Cl.  
*A61G 7/10* ( 2006.01 )  
*A61G 13/12* ( 2006.01 )  
*A61G 7/005* ( 2006.01 )  
*A61G 7/075* ( 2006.01 )  
*A61G 13/04* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018285855  
 (72) KEA, Alex D.; FLETCHER, Hester C.; BECK, David P.; FLORES, Michael P.  
 (74) FB Rice Pty Ltd

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(71) Sage Products LLC  
 (11) AU-A-2024201460  
 (21) 2024201460 (22) 06.03.2024  
 (54) Devices and systems for urine collection  
 (51) Int. Cl.  
**A61F 5/451** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2020341827  
 (72) BLABAS, Brett C.; SEXTON, Kristin M.; ULREICH, Daniel R.; BOULOS, Catherine S.; O'HALLORAN, Britt  
 (74) Davies Collison Cave Pty Ltd

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(71) Sage Therapeutics, Inc.  
 (11) AU-A-2024201459  
 (21) 2024201459 (22) 05.03.2024  
 (54) Compositions and methods for treating CNS disorders  
 (51) Int. Cl.  
**C07J 43/00** ( 2006.01 )  
**A61K 31/56** ( 2006.01 )  
**A61K 31/57** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07J 5/00** ( 2006.01 )  
**C07J 7/00** ( 2006.01 )  
**C07J 9/00** ( 2006.01 )  
**C07J 41/00** ( 2006.01 )  
**C07J 1/00** ( 2006.01 )  
**C07J 3/00** ( 2006.01 )  
**C07J 13/00** ( 2006.01 )  
**C07J 17/00** ( 2006.01 )  
**C07J 21/00** ( 2006.01 )  
**C07J 51/00** ( 2006.01 )  
**C07J 71/00** ( 2006.01 )

(43) 21.03.2024  
 (62) 2018388408  
 (72) ROBICHAUD, Albert Jean; SALITURO, Francesco G.; BLANCO-PILLADO, Maria Jesus; LA, Daniel; HARRISON, Boyd L.  
 (74) Spruson & Ferguson

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(71) Salts Healthcare Limited  
 (11) AU-A-2024201454  
 (21) 2024201454 (22) 05.03.2024  
 (54) An ostomy appliance  
 (51) Int. Cl.  
**A61F 5/445** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018336051  
 (72) WILLIAMS, Kieran; TRETHERWAY, Lee; POWNER, Iain; ALFARO, Jesus; ALLEN, Marcus  
 (74) Spruson & Ferguson

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(71) Salts Healthcare Limited  
 (11) AU-A-2024201455  
 (21) 2024201455 (22) 05.03.2024  
 (54) An ostomy appliance  
 (51) Int. Cl.  
**A61F 5/445** ( 2006.01 )

(43) 21.03.2024  
 (62) 2018336051  
 (72) WILLIAMS, Kieran; TRETHERWAY, Lee; POWNER, Iain; ALFARO, Jesus; ALLEN, Marcus  
 (74) Spruson & Ferguson

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(71) Salts Healthcare Limited  
 (11) AU-A-2024201456  
 (21) 2024201456 (22) 05.03.2024  
 (54) An ostomy appliance  
 (51) Int. Cl.  
**A61F 5/445** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018336051  
 (72) WILLIAMS, Kieran; TRETHERWAY, Lee; POWNER, Iain; ALFARO, Jesus; ALLEN, Marcus  
 (74) Spruson & Ferguson

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(71) Schneider Electric IT Corporation  
 (11) AU-A-2022224871  
 (21) 2022224871 (22) 02.09.2022  
 (54) Modular Data Center  
 (51) Int. Cl.  
**H05K 7/14** ( 2006.01 )  
**B65D 88/12** ( 2006.01 )  
**E04H 5/02** ( 2006.01 )  
**G06F 1/16** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
**H05K 5/02** ( 2006.01 )  
**H05K 7/20** ( 2006.01 )  
**E04H 1/12** ( 2006.01 )  
**E04H 5/00** ( 2006.01 )  
**G06F 1/20** ( 2006.01 )  
**G06F 3/0488** ( 2022.01 )  
**H02J 9/06** ( 2006.01 )

(43) 21.03.2024  
 (72) PASCUAL, Carles  
 (74) WRAYS PTY LTD

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(71) Seegene, Inc.  
 (11) AU-A-2024201214  
 (21) 2024201214 (22) 23.02.2024  
 (54) Method for reducing primer dimer formation and increasing amplification efficiency  
 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
 (43) 21.03.2024  
 (62) 2021204329  
 (72) LEE, Young Jo; KIM, Dae Young  
 (74) FB Rice Pty Ltd

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(71) Seeto, B.  
 (11) AU-A-2022228129  
 (21) 2022228129 (22) 07.09.2022  
 (54) Controller Back Button/Paddle/Lever Serviceable Switch Integration Method  
 (51) Int. Cl.  
**A63F 13/00** ( 2014.01 )  
**G05B 15/02** ( 2006.01 )  
**G05G 1/02** ( 2006.01 )  
**G06F 3/02** ( 2006.01 )

(43) 21.03.2024  
 (72) Seeto, Budd  
 (74) Budd Ray Nathaniel Seeto

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(71) Sensile Medical AG  
 (11) AU-A-2024201371  
 (21) 2024201371 (22) 29.02.2024  
 (54) MICROPUMP WITH CAM MECHANISM FOR AXIAL DISPLACEMENT OF ROTOR  
 (51) Int. Cl.  
**F04B 7/06** ( 2006.01 )  
**F04B 9/04** ( 2006.01 )  
**F04B 19/00** ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018382905  
 (72) BRANDT, Derek; WYSS, Thomas; MARBET, Regina; BÜCHI, Adrian; PERRIER, Alexandre  
 (74) Madderns Pty Ltd

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(71) Sharp Kabushiki Kaisha  
 (11) AU-A-2023200466  
 (21) 2023200466 (22) 30.01.2023  
 (54) Systems and methods for signaling neural network post-filter characteristics information in video coding  
 (51) Int. Cl.  
**H04N 19/117** ( 2014.01 )  
**G06N 3/02** ( 2006.01 )  
**G06T 9/00** ( 2006.01 )  
**H04N 19/10** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
 (31) 63/403,598 (32) 02.09.22 (33) US  
 17/956,403 29.09.22 US  
 (43) 21.03.2024  
 (72) DESHPANDE, Sachin G.; CHEIKH SIDIYA, Ahmed  
 (74) Davies Collison Cave Pty Ltd

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(71) Shenzhen Aiper Intelligent Co., Ltd.  
 (11) AU-A-2023202604  
 (21) 2023202604 (22) 28.04.2023  
 (54) Robot Swimming Pool Cleaner  
 (51) Int. Cl.  
**E04H 4/16** ( 2006.01 )  
 (31) 202222465537 (32) 06.09.22 (33) CN  
 (43) 21.03.2024  
 (72) Wang, Yang; Yu, Xueliang; Luo, Yangchun  
 (74) Collison & Co

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(71) Sightline Payments LLC  
 (11) AU-A-2024201337  
 (21) 2024201337 (22) 28.02.2024  
 (54) Systems and methods for administration and tracking of non-wagering account associated with gaming environment  
 (51) Int. Cl.  
**G06Q 20/10** ( 2012.01 )  
 (43) 21.03.2024  
 (62) 2022201439  
 (72) SANFORD, Kirk E.; SEARS, Thomas M.; SATTAR, Omer  
 (74) Spruson & Ferguson

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Applications Open to Public Inspection - Name Index cont'd

(71) Snap-On Incorporated  
 (11) AU-A-2023222845  
 (21) 2023222845 (22) 29.08.2023  
 (54) Locking device  
 (51) Int. Cl.  
*E05B 47/00* ( 2006.01 )  
*F16H 63/34* ( 2006.01 )  
 (31) 17/938, 921 (32) 06.09.22 (33) US  
 (43) 21.03.2024  
 (72) CURRY, David D.  
 (74) Spruson & Ferguson

(71) Stryker Corporation  
 (11) AU-A-2024201432  
 (21) 2024201432 (22) 05.03.2024  
 (54) Method of cleaning bone stock  
 (51) Int. Cl.  
*A61F 2/46* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2021245254  
 (72) Stratton, Dennis; Veldkamp, David J.;  
 Heffernan, Eric M.; Goldenberg, Dave  
 S.; Chamberlin, Chris; Diehl, Eric K.;  
 Bernero, John P.; Lam, Vincent; Orand,  
 Austin  
 (74) Davies Collison Cave Pty Ltd

(71) Sungbo Industrial Co., Ltd.  
 (11) AU-A-2023222859  
 (21) 2023222859 (22) 29.08.2023  
 (54) Fastening device for different compon-  
 ents  
 (51) Int. Cl.  
*E02F 9/28* ( 2006.01 )  
*F16B 17/00* ( 2006.01 )  
*F16B 21/02* ( 2006.01 )  
 (31) 10-2022-0113732 (32) 07.09.22 (33) KR  
 (43) 21.03.2024  
 (72) SONG, Keun Chul; LEE, Hyun Soo;  
 JIN, Min Gyun; SONG, Jong Gwi  
 (74) FB Rice Pty Ltd

(71) Syngenta Participations AG  
 (11) AU-A-2024201406  
 (21) 2024201406 (22) 01.03.2024  
 (54) SIMULTANEOUS GENE EDITING AND  
 HAPLOID INDUCTION  
 (51) Int. Cl.  
*A01H 1/00* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
 (43) 21.03.2024  
 (62) 2017366760  
 (72) Kelliher, Timothy; Que, Qiudeng  
 (74) Davies Collison Cave Pty Ltd

(71) Tensar International Corporation  
 (11) AU-A-2024201313  
 (21) 2024201313 (22) 27.02.2024  
 (54) Thin stabilized segmental wall blocks,  
 soil reinforcing system, and methods  
 (51) Int. Cl.  
*E02D 29/02* ( 2006.01 )  
*E04B 2/02* ( 2006.01 )  
*E04C 1/39* ( 2006.01 )

(43) 21.03.2024  
 (62) 2018383697  
 (72) LIEW, Willie; PERALTA, Andres F.;  
 WISSMANN, Kord J.; LUPTAK, Steph-  
 en A.; SMITH, Aaron D.  
 (74) Spruson & Ferguson

(71) The Board of Trustees of the Leland  
 Stanford Junior University  
 (11) AU-A-2024200355  
 (21) 2024200355 (22) 19.01.2024  
 (54) PARTIAL AGONISTS OF INTERLEUK-  
 IN-2  
 (51) Int. Cl.  
*C07K 14/54* ( 2006.01 )  
*A61K 38/20* ( 2006.01 )  
*C07K 14/55* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018372167  
 (72) GARCIA, Kenan Christopher; MAJRI,  
 Sonia S.; GLASSMAN, Caleb R.; SU,  
 Leon Lih-Ren  
 (74) AJ PARK

(71) The Board of Trustees of the Leland  
 Stanford Junior University  
 (11) AU-A-2024201370  
 (21) 2024201370 (22) 29.02.2024  
 (54) IMMOLATIVE CELL-PENETRATING  
 COMPLEXES FOR NUCLEIC ACID  
 DELIVERY  
 (51) Int. Cl.  
*A61K 31/496* ( 2006.01 )  
*A61K 47/26* ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2022246420  
 (72) Waymouth, Robert M.; Wender, Paul;  
 Vargas, Jessica R.; Blake, Tim R.;  
 McKinlay, Colin; Levy, Ronald; Haa-  
 beth, Ole Audun Werner; Benner,  
 Nancy; Near, Katherine  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) The Children's Hospital of Philadelphia  
 (11) AU-A-2024200001  
 (21) 2024200001 (22) 01.01.2024  
 (54) VARIANT AAV AND COMPOSITIONS,  
 METHODS AND USES FOR GENE  
 TRANSFER TO CELLS, ORGANS  
 AND TISSUES  
 (51) Int. Cl.  
*C07K 14/015* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C07H 21/04* ( 2006.01 )  
*C12N 7/01* ( 2006.01 )  
*C12N 15/864* ( 2006.01 )  
 (43) 21.03.2024  
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 (72) High, Katherine A.; Yazicioglu, Mustafa;  
 Anguela, Xavier  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) The Regents of the University of  
 Michigan; Masco Corporation  
 (11) AU-A-2024201413  
 (21) 2024201413 (22) 04.03.2024  
 (54) MULTI-FUNCTIONAL WATER QUAL-  
 ITY SENSOR  
 (51) Int. Cl.  
*G01N 27/27* ( 2006.01 )  
*G01F 1/56* ( 2006.01 )  
*G01K 7/00* ( 2006.01 )  
*G01N 27/04* ( 2006.01 )  
*G01N 27/26* ( 2006.01 )  
*G01N 27/30* ( 2006.01 )  
*G01N 27/333* ( 2006.01 )  
*G01N 27/403* ( 2006.01 )  
*C02F 103/42* ( 2006.01 )  
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 (72) Brondum, Klaus; McCague, Michael;  
 Burns, Mark A; Lin, Wen-Chi  
 (74) AJ PARK

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 Pennsylvania  
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 (21) 2024200000 (22) 01.01.2024  
 (54) Methods and compositions for gene  
 editing in hematopoietic stem cells  
 (51) Int. Cl.  
*A61K 35/15* ( 2015.01 )  
*A61K 35/17* ( 2015.01 )  
*A61K 45/06* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
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 (72) Gill, Saar; Kim, Miriam  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) THE UNIVERSITY OF MELBOURNE  
 (11) AU-A-2023270243  
 (21) 2023270243 (22) 28.08.2023  
 (54) NITRIFICATION INHIBITORS  
 (51) Int. Cl.  
*C05G 3/90* ( 2020.01 )  
*C12N 1/20* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 9/06* ( 2006.01 )  
*C12R 1/01* ( 2006.01 )  
 (31) 2022902533 (32) 02.09.22 (33) AU  
 (43) 21.03.2024  
 (72) YILDIRIM, SIBEL CANSU; WILLE, Uta  
 (74) FOUNDRY INTELLECTUAL PROP-  
 ERTY PTY LTD

(71) TMA Capital Australia Pty Ltd  
 (11) AU-A-2024201381  
 (21) 2024201381 (22) 01.03.2024  
 (54) System, method and computer program  
 for an access control system  
 (51) Int. Cl.  
*G07C 9/00* ( 2020.01 )  
*G07B 15/04* ( 2006.01 )

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 (62) 2023208192  
 (72) KARAM, Anthony; LALETIN, Gregory Alexandravich; WALSH, Kevin John  
 (74) Spruson & Ferguson

(71) Tosoh Corporation  
 (11) AU-A-2024201375  
 (21) 2024201375 (22) 29.02.2024  
 (54) Light Scattering Detectors And Sample Cells For The Same  
 (51) Int. Cl.  
     G01N 21/51 ( 2006.01 )  
 (43) 21.03.2024  
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 (72) HANEY, Max  
 (74) WRAYS PTY LTD

(71) Transportation IP Holdings, LLC  
 (11) AU-A-2023214298  
 (21) 2023214298 (22) 10.08.2023  
 (54) VEHICLE SAFETY SYSTEM AND METHOD  
 (51) Int. Cl.  
     B60Q 9/00 ( 2006.01 )  
     B60T 8/17 ( 2006.01 )  
     B60T 17/22 ( 2006.01 )  
     B60W 10/18 ( 2012.01 )  
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     18/344,250 29.06.23 US  
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 (72) Chandrasekaran, Shankar; Price, Matthew; Singh, Satendra Kumar; Murgesan, Rajasekaran  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Transportation IP Holdings, LLC  
 (11) AU-A-2023219993  
 (21) 2023219993 (22) 28.08.2023  
 (54) PLATE GRASPING ASSEMBLIES FOR MAINTENANCE  
 (51) Int. Cl.  
     E01B 29/46 ( 2006.01 )  
 (31) 63/404,030 (32) 06.09.22 (33) US  
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tritana Intellectual Property Ltd.  
 (11) AU-A-2024201444  
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 (54) WEED SEED DESTRUCTION  
 (51) Int. Cl.  
     A01D 41/12 ( 2006.01 )  
     A01F 12/40 ( 2006.01 )  
     A01F 12/48 ( 2006.01 )  
 (31) 18/301,644 (32) 17.04.23 (33) US  
 (43) 21.03.2024  
 (62) 2020235767  
 (72) MAYERLE, Dean  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ultima Genomics, Inc.  
 (11) AU-A-2024201351  
 (21) 2024201351 (22) 29.02.2024  
 (54) METHODS AND SYSTEMS FOR ANALYTE DETECTION AND ANALYSIS  
 (51) Int. Cl.  
     C12Q 1/68 ( 2018.01 )  
     G01N 1/28 ( 2006.01 )  
     G01N 33/533 ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) WAGQ Pty Ltd  
 (11) AU-A-2022228091  
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 (54) A COOKING APPARATUS  
 (51) Int. Cl.  
     F24C 3/06 ( 2006.01 )  
     A47J 37/07 ( 2006.01 )  
     F23D 14/18 ( 2006.01 )  
 (43) 21.03.2024  
 (72) Brougham, Martin  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2022228137

(71) Warren, R.C.  
 (11) AU-A-2024201402  
 (21) 2024201402 (22) 01.03.2024  
 (54) Systems and methods for generating personalized wager opportunities based on a fantasy sports contest  
 (51) Int. Cl.  
     G07F 17/32 ( 2006.01 )  
     G06Q 50/34 ( 2012.01 )  
 (43) 21.03.2024  
 (62) 2020336070  
 (72) WARREN, Ryan C.  
 (74) Spruson & Ferguson

(71) Werner Co.  
 (11) AU-A-2024201309  
 (21) 2024201309 (22) 27.02.2024  
 (54) Ladder with Battery Power, and Methods  
 (51) Int. Cl.  
     E06C 7/14 ( 2006.01 )  
     E06C 1/14 ( 2006.01 )  
     H01M 50/20 ( 2021.01 )  
     H02B 1/06 ( 2006.01 )  
     H02B 1/36 ( 2006.01 )  
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 (72) McAuliffe, Patrick; Parker, Thomas W.  
 (74) BOSH IP Pty Ltd

(71) Whirlpool Corporation  
 (11) AU-A-2023210556  
 (21) 2023210556 (22) 01.08.2023  
 (54) STAND MIXER WITH LOCKING PLANETARY OUTPUT  
 (51) Int. Cl.  
     A47J 43/08 ( 2006.01 )  
     A47J 43/044 ( 2006.01 )  
     A47J 43/06 ( 2006.01 )  
 (31) 17/939,161 (32) 07.09.22 (33) US  
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 (72) Barfuss, Dan Christian; Heater, Timothy E.; Jayabalan, Naveen  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) WHOOP, INC.  
 (11) AU-A-2023270274  
 (21) 2023270274 (22) 07.09.2023  
 (54) COACHING BASED ON REPRODUCTIVE PHASES  
 (51) Int. Cl.  
     G16H 50/20 ( 2018.01 )  
     A61B 5/00 ( 2006.01 )  
     A61B 5/0205 ( 2006.01 )  
     A61B 5/024 ( 2006.01 )  
     A61B 10/00 ( 2006.01 )  
     G16H 20/30 ( 2018.01 )  
     G16H 40/67 ( 2018.01 )  
 (31) 63/404,247 (32) 07.09.22 (33) US  
 (43) 21.03.2024  
 (72) CAPODILUPO, Emily Rachel; JASINSKI, Summer Rose  
 (74) AJ PARK

(71) Winchester Global Pty Ltd  
 (11) AU-A-2024201355  
 (21) 2024201355 (22) 29.02.2024  
 (54) BYPASS AND FULL FLOW COMBINATION FILTER  
 (51) Int. Cl.  
     B01D 27/00 ( 2006.01 )  
     B01D 27/14 ( 2006.01 )  
     F01M 1/10 ( 2006.01 )  
 (43) 21.03.2024  
 (62) 2018276302  
 (72) Rynbeek, Colin James  
 (74) WRAYS PTY LTD

(71) Wix.com Ltd.  
 (11) AU-A-2024201328  
 (21) 2024201328 (22) 28.02.2024  
 (54) Device, system, and method of website building by utilizing data lists  
 (51) Int. Cl.  
     G06F 3/0481 ( 2022.01 )  
 (43) 21.03.2024  
 (62) 2021269367  
 (72) KAUFMAN, Amit; HOLLANDER, Oren; ABRAHAM, Nadav; TOBISEK, Jiri  
 (74) FPA Patent Attorneys Pty Ltd

**Yamaguchi University see National University Corporation Tottori University**  
 (21) 2024201332

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(71) Ye Chou Industry Co., Ltd  
 (11) AU-A-2023200987  
 (21) 2023200987 (22) 20.02.2023  
 (54) BICYCLE STAND  
 (51) Int. Cl.  
*B62H 3/08* ( 2006.01 )  
*B62H 3/04* ( 2006.01 )  
*B62H 3/12* ( 2006.01 )  
 (31) 111209803 (32) 07.09.22 (33) TW  
 (43) 21.03.2024  
 (72) Ho, Jern-Shorg  
 (74) Patent Attorney Services

(71) YELLOW SOLUTIONS COMERCIO, SERVICOS, CONSULTORIA E REPRESENTAÇÃO DE MAQUINAS EIRELI - ME  
 (11) AU-A-2023222936  
 (21) 2023222936 (22) 31.08.2023  
 (54) SOLIDS CONCENTRATION DIGITAL ANALYZER  
 (51) Int. Cl.  
*G01G 19/18* ( 2006.01 )  
*G01N 9/04* ( 2006.01 )  
 (31) 102022017790-2 (32) 05.09.22 (33) BR  
 (43) 21.03.2024  
 (72) LONGO, PAULO; DE STEFANI, RENAN  
 (74) Gestalt Law Pty Ltd

(71) YETI Coolers, LLC  
 (11) AU-A-2024201327  
 (21) 2024201327 (22) 28.02.2024  
 (54) Container and latching system  
 (51) Int. Cl.  
*B65D 43/22* ( 2006.01 )  
*B65D 45/24* ( 2006.01 )  
*E05B 65/52* ( 2006.01 )  
*E05C 5/00* ( 2006.01 )  
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 (62) 2018284207  
 (72) SEIDERS, Roy Joseph; NICHOLS, Steve Charles; ELLISON, Kyle; BONDHUS, Andy; HOTCHKISS, Tobias; MORRIS, Liza; ZUCK, Dennis; NIXON, Ryan; RANE, Mark  
 (74) GLMR

(71) Yohana LLC  
 (11) AU-A-2024201427  
 (21) 2024201427 (22) 04.03.2024  
 (54) Automated tagging and management of chat stream messages  
 (51) Int. Cl.  
*G06F 3/0481* ( 2022.01 )  
*G06F 16/26* ( 2019.01 )  
*G06N 3/08* ( 2023.01 )  
*G06Q 10/06* ( 2023.01 )  
*G06Q 10/10* ( 2023.01 )  
*G06F 9/46* ( 2006.01 )  
*G06F 16/31* ( 2019.01 )  
*H04L 51/18* ( 2022.01 )  
 (43) 21.03.2024  
 (62) 2022340826  
 (72) MATSUOKA, Yoky; VISWANATHAN, Nitin; LIU, Lingyun; DEMING, Benjamin; PATERSON, Sean; VAN DER

LINDEN, Gwendolyn W.; BEAULIEU, Malia; CIVELEKOGLU, Defne  
 (74) Spruson & Ferguson

(71) York, B.; Walcon Marine Australia  
 (11) AU-A-2022228137  
 (21) 2022228137 (22) 07.09.2022  
 (54) TRUSS FRAME FLOATING WAVE ATTENUATOR  
 (51) Int. Cl.  
*E02B 3/06* ( 2006.01 )  
 (43) 21.03.2024  
 (72) York, Brett  
 (74) Brett Anthony York

(71) ZTE Corporation  
 (11) AU-A-2024201416  
 (21) 2024201416 (22) 04.03.2024  
 (54) System and method for multiple discontinuous receptions for one cell group  
 (51) Int. Cl.  
*H04W 76/28* ( 2018.01 )  
 (43) 21.03.2024  
 (62) 2019473645  
 (72) DONG, Fei; HUANG, He  
 (74) Spruson & Ferguson

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		2024201355	Winchester Global Pty Ltd
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2024201439 Chugai Seiyaku Kabushiki Kaisha  
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**No IPC Mark**

**Innovation Patents Open to Public Inspection**

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

<p>(71) Annex Products Pty Ltd                      (11) AU-A-2024100008                      (21) 2024100008 (22) 21.02.2024                      (54) SYSTEM AND METHOD FOR MOUNTING A HANDHELD ELECTRONIC DEVICE                      (51) Int. Cl.  <i>B62J 11/00</i> ( 2020.01 )  <i>B60R 11/02</i> ( 2006.01 )  <i>F16M 13/02</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2018297383                      (72) PETERS, Christopher                      (74) Griffith Hack</p> <hr/> <p>(71) Apple Inc.                      (11) AU-A-2024100009                      (21) 2024100009 (22) 26.02.2024                      (54) User interfaces for viewing and refining the current location of an electronic device                      (51) Int. Cl.  <i>G06F 3/048</i> ( 2013.01 )  <i>G09G 5/373</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2023100080                      (72) Uzum Vella, Isil; Andrich, Brian J.; Apuy, Ryan Won-meng; Hajj, Usama M.; Sodervall, Erik G.; Figueroa, Hollie Renee; Li, Linghao; Johnson, Martin E.                      (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) ASSA ABLOY Australia Pty Limited                      (11) AU-A-2024100005                      (21) 2024100005 (22) 16.02.2024                      (54) A LOCK ASSEMBLY WITH A RETENTION MEANS                      (51) Int. Cl.  <i>E05B 63/18</i> ( 2006.01 )  <i>E05B 15/10</i> ( 2006.01 )  <i>E05B 17/00</i> ( 2006.01 )  <i>E05B 63/00</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2018223220                      (72) Guo, Timo; Ou, Jack; Murray, Craig Stuart                      (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) CRIME SCAN PTY LTD                      (11) AU-A-2024100004                      (21) 2024100004 (22) 16.02.2024                      (54) Mobile Telecommunications Platform                      (51) Int. Cl.  <i>H04W 84/04</i> ( 2009.01 )  <i>H04B 7/185</i> ( 2006.01 )  <i>H04W 24/02</i> ( 2009.01 )  <i>G05D 1/00</i> ( 2006.01 )  <i>G05D 1/221</i> ( 2024.01 )</p>	<p><i>G05D 1/24</i> ( 2024.01 )  <i>G05D 1/46</i> ( 2024.01 )  <i>B64U 101/20</i> ( 2023.01 )                      (45) 21.03.2024                      (62) 2021107240                      (72) Gaunt, Kristen John; Lorkin, Jake                      (74) Golja Haines &amp; Friend</p> <hr/> <p>(71) Halire Pty Ltd                      (11) AU-A-2024100010                      (21) 2024100010 (22) 27.02.2024                      (54) PLUMBING METHOD AND APPARATUS                      (51) Int. Cl.  <i>F16L 33/24</i> ( 2006.01 )  <i>E03C 1/04</i> ( 2006.01 )  <i>F16L 19/00</i> ( 2006.01 )  <i>F16L 25/10</i> ( 2006.01 )  <i>F16L 33/22</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2021200168                      (72) Swanston, Peter; Jackson, Shaun Wade                      (74) Daniel Rosenthal</p> <hr/> <p>(71) Halire Pty Ltd                      (11) AU-A-2024100011                      (21) 2024100011 (22) 27.02.2024                      (54) PLUMBING METHOD AND APPARATUS                      (51) Int. Cl.  <i>F16L 33/24</i> ( 2006.01 )  <i>E03C 1/04</i> ( 2006.01 )  <i>F16L 19/00</i> ( 2006.01 )  <i>F16L 25/10</i> ( 2006.01 )  <i>F16L 33/22</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2021200168                      (72) Swanston, Peter; Jackson, Shaun Wade                      (74) Daniel Rosenthal</p> <hr/> <p>(71) Janssen Biotech, Inc.                      (11) AU-A-2024100006                      (21) 2024100006 (22) 21.02.2024                      (54) Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody                      (51) Int. Cl.  <i>A61K 39/395</i> ( 2006.01 )  <i>A61K 9/08</i> ( 2006.01 )  <i>A61P 1/04</i> ( 2006.01 )  <i>C07K 16/24</i> ( 2006.01 )  <i>G01N 33/53</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2023201217                      (72) JOHANNNS, Jewel; LI, Katherine; MARANO, Colleen; STRAUSS, Richard; ZHANG, Hongyan; ADEDOKUN, Omoniye; O'BRIEN, Christopher; SHIELDS-TUTTLE, Kimberly                      (74) Davies Collison Cave Pty Ltd</p>	<p>UN, Omoniye; O'BRIEN, Christopher; SHIELDS-TUTTLE, Kimberly                      (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) Janssen Biotech, Inc.                      (11) AU-A-2024100007                      (21) 2024100007 (22) 21.02.2024                      (54) Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody                      (51) Int. Cl.  <i>A61K 39/395</i> ( 2006.01 )  <i>A61K 9/08</i> ( 2006.01 )  <i>A61P 1/00</i> ( 2006.01 )  <i>A61P 1/04</i> ( 2006.01 )  <i>C07K 16/24</i> ( 2006.01 )  <i>G01N 33/53</i> ( 2006.01 )                      (45) 21.03.2024                      (62) 2023201217                      (72) JOHANNNS, Jewel; LI, Katherine; MARANO, Colleen; STRAUSS, Richard; ZHANG, Hongyan; ADEDOKUN, Omoniye; O'BRIEN, Christopher; SHIELDS-TUTTLE, Kimberly                      (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) Objective Learning Materials Pty Ltd                      (11) AU-A-2020104499                      (21) 2020104499 (22) 18.02.2020                      (54) Templates and handles                      (51) Int. Cl.  <i>B43L 13/20</i> ( 2006.01 )  <i>B43L 1/00</i> ( 2006.01 )                      (31) 2019901066 (32) 29.03.19 (33) AU                      (45) 21.03.2024                      (72) Lawton, John; Nechiporenko, Dmitry                      (74) BRM Patent Attorneys Pty Ltd</p>
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<b>2024100005</b>	ASSA ABLOY Australia Pty Limited
<b>2024100006</b>	Janssen Biotech, Inc.
<b>2024100007</b>	Janssen Biotech, Inc.
<b>2024100008</b>	Annex Products Pty Ltd
<b>2024100009</b>	Apple Inc.
<b>2024100010</b>	Halire Pty Ltd
<b>2024100011</b>	Halire Pty Ltd

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<b><u>A61K 39 /-</u></b>	<b><u>F16M 13 /-</u></b>
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2024100007	<b><u>G01N 33 /-</u></b>
<b><u>A61K 9 /-</u></b>	2024100006
2024100006	2024100007
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<b><u>A61P 1 /-</u></b>	2024100004
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2024100007	2024100009
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2024100008	2024100004
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2024100004	
<b><u>C07K 16 /-</u></b>	
2024100006	
2024100007	
<b><u>E03C 1 /-</u></b>	
2024100010	
2024100011	
<b><u>E05B 15 /-</u></b>	
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<b><u>E05B 17 /-</u></b>	
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<b><u>F16L 19 /-</u></b>	
2024100010	
2024100011	
<b><u>F16L 25 /-</u></b>	
2024100010	
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<b><u>F16L 33 /-</u></b>	
2024100010	
2024100011	

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

<p>(71) 3SPINE, INC.                      (11) AU-A-2022324627                      (21) 2022324627 (22) 05.08.2022                      (54) ROBOTIC &amp; NAVIGATION ASSISTED TOTAL SPINAL JOINT METHODS                      (51) Int. Cl.                      A61B 34/10 ( 2016.01 )                      A61B 34/20 ( 2016.01 )                      G16H 30/20 ( 2018.01 )                      G16H 50/20 ( 2018.01 )                      (87) WO2023/015313                      (31) 63/229,989 (32) 05.08.21 (33) US                      63/351,568 13.06.22 US                      63/345,560 25.05.22 US                      (43) 09.02.2023                      (72) DAVIS, Christian; PETERMAN, Marc M.; HUMPHREYS, Steven C.; HODGES, Scott; YARBROUGH, Ron                      (74) Griffith Hack</p>	<p>H02J 3/14 ( 2006.01 )                      H02J 3/18 ( 2006.01 )                      (87) WO2023/066470                      (43) 27.04.2023                      (72) STADLER, Raeto; BAECHLE, Ralf                      (74) Griffith Hack</p> <hr/> <p>(71) AI. LAND GMBH                      (11) AU-A-2022323503                      (21) 2022323503 (22) 03.08.2022                      (54) DEVICE AND METHOD FOR CULTIVATING AN AGRICULTURAL AREA                      (51) Int. Cl.                      A01B 51/02 ( 2006.01 )                      A01B 79/00 ( 2006.01 )                      A01B 79/02 ( 2006.01 )                      (87) WO2023/011690                      (31) 10 2021 120 341.4 (32) 04.08.21 (33) DE                      (43) 09.02.2023                      (72) FRANKO, Josef                      (74) Griffith Hack</p> <hr/> <p>(71) 7-ELEVEN, INC.                      (11) AU-A-2022342172                      (21) 2022342172 (22) 08.09.2022                      (54) ITEM LOCATION TRACKING FOR DISPLAY RACKS USING DIGITAL IMAGE PROCESSING                      (51) Int. Cl.                      G06T 7/00 ( 2017.01 )                      (87) WO2023/039455                      (31) 17/471,027 (32) 09.09.21 (33) US                      (43) 16.03.2023                      (72) KRISHNAMURTHY, Sailesh, Bharath-waaj; DATAR, Sumedh, Vilas; THAKURDESAI, Shantanu, Yadunath; MAUNG, Crystal; JOSHI, Mohit, Satish                      (74) RnB IP Pty Ltd</p> <hr/> <p>(71) ABB SCHWEIZ AG                      (11) AU-A-2021463295                      (21) 2021463295 (22) 06.09.2021                      (54) CHARGING SYSTEM FOR AN INDUSTRIAL ELECTRIC VEHICLE, METHOD OF CHARGING AN INDUSTRIAL ELECTRIC VEHICLE AND USE OF A CHARGING SYSTEM                      (51) Int. Cl.                      B60L 53/35 ( 2019.01 )                      (87) WO2023/030665                      (43) 09.03.2023                      (72) BEUTLER, Nic; ASHAGARAN, Mehrzad                      (74) Griffith Hack</p> <hr/> <p>(71) ABB SCHWEIZ AG                      (11) AU-A-2021469672                      (21) 2021469672 (22) 19.10.2021                      (54) STABILIZING ELECTRICAL POWER IN AN ELECTRICAL GRID                      (51) Int. Cl.</p>	<p>(71) ALNYLAM PHARMACEUTICALS, INC.                      (11) AU-A-2022345881                      (21) 2022345881 (22) 19.09.2022                      (54) INHIBIN SUBUNIT BETA E (INHBE) MODULATOR COMPOSITIONS AND METHODS OF USE THEREOF                      (51) Int. Cl.                      C12N 15/113 ( 2010.01 )                      A61K 31/712 ( 2006.01 )                      A61K 31/7125 ( 2006.01 )                      A61K 31/713 ( 2006.01 )                      (87) WO2023/044094                      (31) 63/246,084 (32) 20.09.21 (33) US                      (43) 23.03.2023                      (72) DEATON, Aimee, M.                      (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) ALPHA CLEANTECH LABS INC.                      (11) AU-A-2022439659                      (21) 2022439659 (22) 14.02.2022                      (54) PERSONAL HYGIENE CAPSULE AND METHODS OF USING SAME                      (51) Int. Cl.                      A47K 1/02 ( 2006.01 )                      A47K 3/30 ( 2006.01 )                      A47K 7/04 ( 2006.01 )                      (87) WO2023/150859                      (43) 17.08.2023                      (72) BHUSHAN, Bharat                      (74) Griffith Hack</p> <hr/> <p>(71) ALVAREZ AARAB, R.A.                      (11) AU-A-2021464743                      (21) 2021464743 (22) 15.09.2021                      (54) COUNTER-UNMANNED AERIAL SYSTEM (C-UAS) PROTECTION DEVICE                      (51) Int. Cl.                      F41H 7/00 ( 2006.01 )                      F41H 5/013 ( 2006.01 )                      F41H 7/02 ( 2006.01 )                      F42D 5/045 ( 2006.01 )                      (87) WO2023/041813                      (43) 23.03.2023                      (72) ALVAREZ AARAB, Raul Assaad                      (74) FAL PATENTS PTY LTD</p> <hr/> <p>(71) AMBU-BOX KFT.                      (11) AU-A-2022336840                      (21) 2022336840 (22) 25.08.2022                      (54) AMBULANCE                      (51) Int. Cl.                      B62D 24/00 ( 2006.01 )                      A61G 3/00 ( 2006.01 )                      B60P 1/64 ( 2006.01 )                      B62D 21/09 ( 2006.01 )                      B62D 63/02 ( 2006.01 )                      (87) WO2023/031634                      (31) P2100314 (32) 06.09.21 (33) HU                      (43) 09.03.2023                      (72) LÁSZLÓ, Endre Márton                      (74) ET Intellectual Property</p>
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<p>(71) APPLIED MEDICAL RESOURCES CORPORATION (11) AU-A-2022353968 (21) 2022353968 (22) 22.09.2022 (54) SIMULATED TISSUE STRUCTURE COMPOSITION AND USE FOR SURGICAL TRAINING (51) Int. Cl. G09B 23/34 ( 2006.01 ) G09B 23/28 ( 2006.01 ) G09B 23/30 ( 2006.01 ) (87) WO2023/055647 (31) 63/249,692 (32) 29.09.21 (33) US (43) 06.04.2023 (72) RAYGAN, Oscar; SMUDZ, Brannon (74) Griffith Hack</p>	<p>A61B 17/14 ( 2006.01 ) B23D 57/00 ( 2006.01 ) (87) WO2023/037308 (31) 17/470,503 (32) 09.09.21 (33) US (43) 16.03.2023 (72) CLEVETT, James Tyler (74) IP GATEWAY PATENT &amp; TRADE MARK ATTORNEYS PTY LTD</p>	<p>F04C 29/00 ( 2006.01 ) F04C 29/02 ( 2006.01 ) (87) WO2023/016751 (31) BE2021/5642 (32) 12.08.21 (33) BE 2022/5228 30.03.22 BE 2022/5229 30.03.22 BE 2022/5398 23.05.22 BE (43) 16.02.2023 (72) SWERTS, Thomas Luc; DE VLOO, Tom Raymond Jozef Hendrik (74) Davies Collison Cave Pty Ltd</p>
<p>(71) ARGO GMBH (11) AU-A-2022337018 (21) 2022337018 (22) 30.08.2022 (54) COMPUTER-IMPLEMENTED METHOD FOR A DATA EXCHANGE BETWEEN A FILLING STATION AND A CLIENT, CONTROLLER FOR CONTROLLING THE HYDROGEN PRODUCTION AND/OR HYDROGEN PREPARATION, SYSTEM FOR CONTROLLING THE HYDROGEN PRODUCTION AND/OR HYDROGEN PREPARATION, AND COMPUTER PROGRAM (51) Int. Cl. G06Q 10/02 ( 2012.01 ) F17C 5/00 ( 2006.01 ) G06Q 30/02 ( 2023.01 ) G06Q 50/06 ( 2012.01 ) (87) WO2023/031184 (31) 10 2021 209 626.3 (32) 01.09.21 (33) DE (43) 09.03.2023 (72) ANDREAS, Jan (74) Spruson &amp; Ferguson</p>	<p>(71) ASCENDIS PHARMA BONE DISEASES A/S (11) AU-A-2022350937 (21) 2022350937 (22) 21.09.2022 (54) LONG-ACTING PTH COMPOUND TREATMENTS (51) Int. Cl. A61K 38/29 ( 2006.01 ) A61K 47/60 ( 2017.01 ) A61P 5/18 ( 2006.01 ) (87) WO2023/046732 (31) 21198228.5 (32) 22.09.21 (33) EP 22193085.2 31.08.22 EP (43) 30.03.2023 (72) SPROGØE, Kennett (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) ATLAS SURVIVAL SHELTERS LLC (11) AU-A-2022326509 (21) 2022326509 (22) 12.08.2022 (54) UNDERGROUND SHELTER WITH AIR-INTAKE SYSTEM (51) Int. Cl. E04H 9/12 ( 2006.01 ) F24F 7/10 ( 2006.01 ) (87) WO2023/018946 (31) 17/400,989 (32) 12.08.21 (33) US (43) 16.02.2023 (72) HUBBARD, Ronal (74) ALLENS PATENT &amp; TRADE MARK ATTORNEYS</p>
<p>(71) ARTHREX, INC. (11) AU-A-2022340659 (21) 2022340659 (22) 02.09.2022 (54) TWO-DIMENSIONAL IMAGE REGISTRATION METHODS AND SYSTEMS FOR THREE-DIMENSIONAL OBJECT TRANSFORMATION (51) Int. Cl. G06T 7/215 ( 2017.01 ) G06T 7/37 ( 2017.01 ) G06T 7/60 ( 2017.01 ) (87) WO2023/034620 (31) 63/240,167 (32) 02.09.21 (33) US (43) 09.03.2023 (72) MULLANEY, Michael, W. (74) IP GATEWAY PATENT &amp; TRADE MARK ATTORNEYS PTY LTD</p>	<p>(71) ASSA ABLOY ENTRANCE SYSTEMS AB (11) AU-A-2022349768 (21) 2022349768 (22) 20.09.2022 (54) METHOD FOR OPERATING AN AUTOMATIC DOOR SYSTEM AS WELL AS SYSTEM HAVING AN AUTOMATIC DOOR SYSTEM (51) Int. Cl. E05F 15/73 ( 2015.01 ) (87) WO2023/046700 (31) 2130253-4 (32) 23.09.21 (33) SE (43) 30.03.2023 (72) HAURI, Marco (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) ATRICURE, INC. (11) AU-A-2022341186 (21) 2022341186 (22) 12.09.2022 (54) EXCLUSION DEVICES AND RELATED METHODS (51) Int. Cl. A61B 17/122 ( 2006.01 ) A61B 17/08 ( 2006.01 ) A61B 17/10 ( 2006.01 ) A61B 17/128 ( 2006.01 ) F16F 1/12 ( 2006.01 ) A61B 17/11 ( 2006.01 ) (87) WO2023/039574 (31) 63/243,313 (32) 13.09.21 (33) US 63/243,322 13.09.21 US 63/243,329 13.09.21 US 63/243,335 13.09.21 US (43) 16.03.2023 (72) MATA, Carol Ann; KABBUR, Nikhil; RECKER, Lynn Ann; VOLZ, Justin David; BIEHLE, Edward; FAGO, Frank; ZITON, Hannah Vivian (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) ARTHREX, INC. (11) AU-A-2022344590 (21) 2022344590 (22) 09.09.2022 (54) ADAPTER ASSEMBLY FOR SURGICAL CUTTING TOOL (51) Int. Cl.</p>	<p>(71) ASYNT SOLUTIONS, LLC (11) AU-A-2022342066 (21) 2022342066 (22) 09.09.2022 (54) FIBER REINFORCED RESIN-BASED TEMPORARY ROAD BARRIER (51) Int. Cl. E01F 15/04 ( 2006.01 ) B29C 44/12 ( 2006.01 ) B29C 70/30 ( 2006.01 ) B29C 70/84 ( 2006.01 ) (87) WO2023/039158 (31) 63/242,516 (32) 10.09.21 (33) US (43) 16.03.2023 (72) SCOTT, III, Archie (74) Griffith Hack</p>	<p>(71) AUSTRALIAN NATIONAL UNIVERSITY (11) AU-A-2022341028 (21) 2022341028 (22) 30.08.2022 (54) SYSTEMS AND METHODS/PROCESSES FOR OPTICAL INTERFEROMETRIC SENSING (51) Int. Cl. G01B 9/02 ( 2022.01 ) G01B 9/00 ( 2006.01 ) G02F 1/21 ( 2006.01 ) H04B 10/11 ( 2013.01 ) H04B 10/25 ( 2013.01 ) H04B 10/50 ( 2013.01 ) H04B 10/516 ( 2013.01 ) H04B 10/60 ( 2013.01 ) H04B 10/61 ( 2013.01 ) H04J 13/00 ( 2011.01 )</p>
<p>(71) ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP (11) AU-A-2022325410 (21) 2022325410 (22) 15.07.2022 (54) COMPRESSOR ASSEMBLY (51) Int. Cl. F04C 18/10 ( 2006.01 ) F04C 18/16 ( 2006.01 )</p>	<p>(71) ATLAS SURVIVAL SHELTERS LLC (11) AU-A-2022326509 (21) 2022326509 (22) 12.08.2022 (54) UNDERGROUND SHELTER WITH AIR-INTAKE SYSTEM (51) Int. Cl. E04H 9/12 ( 2006.01 ) F24F 7/10 ( 2006.01 ) (87) WO2023/018946 (31) 17/400,989 (32) 12.08.21 (33) US (43) 16.02.2023 (72) HUBBARD, Ronal (74) ALLENS PATENT &amp; TRADE MARK ATTORNEYS</p>	<p>(71) ATLAS SURVIVAL SHELTERS LLC (11) AU-A-2022326509 (21) 2022326509 (22) 12.08.2022 (54) UNDERGROUND SHELTER WITH AIR-INTAKE SYSTEM (51) Int. Cl. E04H 9/12 ( 2006.01 ) F24F 7/10 ( 2006.01 ) (87) WO2023/018946 (31) 17/400,989 (32) 12.08.21 (33) US (43) 16.02.2023 (72) HUBBARD, Ronal (74) ALLENS PATENT &amp; TRADE MARK ATTORNEYS</p>

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**H04L 27/20** ( 2006.01 )  
**H04L 27/22** ( 2006.01 )  
**(87)** WO2023/028647  
**(31)** 2021902822 **(32)** 31.08.21 **(33)** AU  
**(43)** 09.03.2023  
**(72)** DEY, Annesha; BANDUTUNGA, Chathura Priyankara; ZHANG, Ya; GRAY, Malcolm Bruce; CHOW, Jong Hann; WONG, Justin Chak Tin; SIBLEY, Paul George  
**(74)** Davies Collison Cave Pty Ltd

**(71)** AVER TECHNOLOGIES, INC.  
**(11)** AU-A-2022331254  
**(21)** 2022331254 **(22)** 16.08.2022  
**(54)** ULTRASONIC BORESCOPE FOR DRILLED SHAFT INSPECTION  
**(51)** Int. Cl.  
**G01N 29/04** ( 2006.01 )  
**E21B 47/00** ( 2012.01 )  
**(87)** WO2023/023030  
**(31)** 63/233,479 **(32)** 16.08.21 **(33)** US  
**(43)** 23.02.2023  
**(72)** AVASARALA, Pallavi; AVASARALA, Pranav  
**(74)** FB Rice Pty Ltd

**(71)** BASF SE  
**(11)** AU-A-2022342359  
**(21)** 2022342359 **(22)** 09.09.2022  
**(54)** EXOPOLYSACCHARIDE PRODUCTION MICROORGANISMS AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 14/195** ( 2006.01 )  
**A01N 63/00** ( 2020.01 )  
**C12P 19/00** ( 2006.01 )  
**(87)** WO2023/036938  
**(31)** 21196088.5 **(32)** 10.09.21 **(33)** EP  
**(43)** 16.03.2023  
**(72)** MAY, Tobias; HEROLD, Andrea; HEINRICH, Daniel Christoph; HEUSCHKEL, Ingeborg; SENDROWSKI, Heiko  
**(74)** Griffith Hack

**(71)** BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA  
**(11)** AU-A-2022354180  
**(21)** 2022354180 **(22)** 28.09.2022  
**(54)** RACK-PUMP CHARGING PRIORITIZATION IN MULTI-PUMP ASSEMBLY  
**(51)** Int. Cl.  
**G16H 20/17** ( 2018.01 )  
**A61M 5/142** ( 2006.01 )  
**G16H 40/40** ( 2018.01 )  
**G16H 40/60** ( 2018.01 )  
**(87)** WO2023/055792  
**(31)** 63/249,259 **(32)** 28.09.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** SLABY, Jiri; BOJAN, Peter; HEXAMER, Aaron  
**(74)** K&L Gates

**(71)** BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA  
**(11)** AU-A-2022354862  
**(21)** 2022354862 **(22)** 28.09.2022

**(54)** SYSTEMS AND METHODS FOR CONTROLLING PULSE MODE PUMPING IN INFUSION SYSTEMS  
**(51)** Int. Cl.  
**A61M 5/145** ( 2006.01 )  
**(87)** WO2023/055798  
**(31)** 63/249,302 **(32)** 28.09.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** FISCHER, Steven Ward; WALLACE, Morris; CHEN, Ye  
**(74)** K&L Gates

**(71)** BD KIESTRA B.V.  
**(11)** AU-A-2022344109  
**(21)** 2022344109 **(22)** 06.09.2022  
**(54)** BLOOD COLLECTION SYSTEM  
**(51)** Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**(87)** WO2023/038895  
**(31)** 63/241,310 **(32)** 07.09.21 **(33)** US  
**(43)** 16.03.2023  
**(72)** WHEELER, John, Scott; AHMED, Samer; ROBERTSON, Daniel, James  
**(74)** FB Rice Pty Ltd

**(71)** BEAM THERAPEUTICS INC.; RAN, F.; LIN, C.  
**(11)** AU-A-2022343725  
**(21)** 2022343725 **(22)** 08.09.2022  
**(54)** VIRAL GUIDE RNA DELIVERY  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2023/039468  
**(31)** 63/241,964 **(32)** 08.09.21 **(33)** US  
**(43)** 16.03.2023  
**(72)** RAN, Fei; LIN, ChieYu  
**(74)** Pearce IP Pty Ltd

**(71)** BECTON, DICKINSON AND COMPANY  
**(11)** AU-A-2022346951  
**(21)** 2022346951 **(22)** 09.09.2022  
**(54)** AUTOMATED CELL SORTING STAGE AND METHODS FOR USING SAME  
**(51)** Int. Cl.  
**G01N 15/14** ( 2006.01 )  
**G01F 1/661** ( 2022.01 )  
**G01N 15/10** ( 2006.01 )  
**G05D 7/06** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**(87)** WO2023/043674  
**(31)** 63/243,867 **(32)** 14.09.21 **(33)** US  
**(43)** 23.03.2023  
**(72)** IVANOV, Nikolay; MANZARRAGA, Jorge  
**(74)** FB Rice Pty Ltd

**(71)** BECTON, DICKINSON AND COMPANY  
**(11)** AU-A-2022352559  
**(21)** 2022352559 **(22)** 29.08.2022  
**(54)** BASELINE RESTORATION CIRCUIT  
**(51)** Int. Cl.  
**H01J 49/02** ( 2006.01 )

**H03F 1/34** ( 2006.01 )  
**H03F 3/45** ( 2006.01 )  
**(87)** WO2023/048903  
**(31)** 63/246,395 **(32)** 21.09.21 **(33)** US  
**(43)** 30.03.2023  
**(72)** SOUCHKOV, Vitali  
**(74)** FB Rice Pty Ltd

**(71)** BECTON, DICKINSON AND COMPANY  
**(11)** AU-A-2022394321  
**(21)** 2022394321 **(22)** 10.11.2022  
**(54)** METHODS FOR DYNAMIC REAL-TIME ADJUSTMENT OF A DATA ACQUISITION PARAMETER IN A FLOW CYTOMETER  
**(51)** Int. Cl.  
**G01N 15/14** ( 2006.01 )  
**G01N 15/10** ( 2006.01 )  
**(87)** WO2023/091351  
**(31)** 63/280,373 **(32)** 17.11.21 **(33)** US  
**(43)** 25.05.2023  
**(72)** WOLSLEY, Keegan; WOLF, Christopher J.  
**(74)** FB Rice Pty Ltd

**(71)** BEIERSDORF AG  
**(11)** AU-A-2022351193  
**(21)** 2022351193 **(22)** 15.09.2022  
**(54)** COSMETIC PREPARATION CONTAINING LIME GLASS BEADS WITH HIGH SPECIFIC WEIGHT  
**(51)** Int. Cl.  
**A61K 8/02** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61K 8/25** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61Q 17/04** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**(87)** WO2023/046568  
**(31)** 10 2021 210 629.3 **(32)** 23.09.21 **(33)** DE  
**(43)** 30.03.2023  
**(72)** SIVACILAR, Berkay Daniel; GOULET-HANSENS, Alexis; VOLBRICH, Heike; HEINSEN, Carsten; SCHLENKER, David  
**(74)** Spruson & Ferguson

**(71)** BEIGENE, LTD.; BEIGENE SWITZERLAND GMBH  
**(11)** AU-A-2022336557  
**(21)** 2022336557 **(22)** 31.08.2022  
**(54)** SOLID FORMS OF BCL-2 INHIBITORS, METHOD OF PREPARATION, AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/407** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2023/030363  
**(31)** PCT/ CN2021/115718 **(32)** 31.08.21 **(33)** CN  
**(43)** 09.03.2023  
**(72)** YU, Desheng; SHI, Gongyin; XUE, Hai; GUO, Yunhang  
**(74)** Griffith Hack



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- (71) BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.  
 (11) AU-A-2022338752  
 (21) 2022338752 (22) 24.08.2022  
 (54) INFORMATION REPLY METHOD AND APPARATUS, AND ELECTRONIC DEVICE, READABLE STORAGE MEDIUM AND PROGRAM PRODUCT  
 (51) Int. Cl.  
*G06F 3/0481* ( 2022.01 )  
 (87) WO2023/030122  
 (31) 202111026992.1 (32) 02.09.21 (33) CN  
 (43) 09.03.2023  
 (72) LI, Xinyi; SUN, Na; LI, Yujie; LIN, Ye; TAN, Siqi  
 (74) Griffith Hack
- 
- (71) BEIJING INNOCARE PHARMA TECH CO., LTD.  
 (11) AU-A-2021398704  
 (21) 2021398704 (22) 16.12.2021  
 (54) HETEROCYCLIC JAK INHIBITOR  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/4188* ( 2006.01 )  
*A61K 31/4985* ( 2006.01 )  
*A61P 19/02* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
 (87) WO2022/127869  
 (31) 202011495497.0 (32) 18.12.20 (33) CN  
 (43) 23.06.2022  
 (72) CHEN, Xiangyang; PANG, Yucheng  
 (74) Churchill Attorneys
- 
- (71) BELRON INTERNATIONAL LIMITED  
 (11) AU-A-2022336119  
 (21) 2022336119 (22) 31.08.2022  
 (54) CAMERA POSITION REVIEW FOR VEHICLE DRIVER ASSISTANCE SYSTEMS  
 (51) Int. Cl.  
*G06T 7/80* ( 2017.01 )  
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*F24F 11/30* ( 2018.01 )  
*F24F 11/46* ( 2018.01 )  
*F24F 11/79* ( 2018.01 )  
*F24F 11/871* ( 2018.01 )  
*G05D 23/30* ( 2006.01 )  
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*G07C 9/15* ( 2020.01 )  
*E06B 11/08* ( 2006.01 )  
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**A61N 1/05** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
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**B65D 51/28** ( 2006.01 )  
**B65D 77/06** ( 2006.01 )  
**B67D 7/02** ( 2010.01 )  
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**A61P 1/08** ( 2006.01 )  
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**C09C 1/44** ( 2006.01 )  
**C01B 32/312** ( 2017.01 )  
**C09C 1/48** ( 2006.01 )  
**C10B 53/02** ( 2006.01 )  
**C09C 1/00** ( 2006.01 )

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**C09C 1/44** ( 2006.01 )  
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**C09C 1/48** ( 2006.01 )  
**C10B 53/02** ( 2006.01 )  
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*E04F 13/08* ( 2006.01 )  
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*C09K 8/54* ( 2006.01 )  
*C08G 63/668* ( 2006.01 )  
*C08G 63/685* ( 2006.01 )  
*C10G 75/02* ( 2006.01 )  
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*F28D 7/16* ( 2006.01 )  
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*A61K 8/43* ( 2006.01 )  
*A61P 1/02* ( 2006.01 )  
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*A61Q 11/00* ( 2006.01 )  
*A61K 8/21* ( 2006.01 )  
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 (54) ORAL COMPOSITIONS COMPRISING ARGININE AND GELLING AGENT  
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*A61K 8/02* ( 2006.01 )  
*A23G 3/36* ( 2006.01 )  
*A23G 3/42* ( 2006.01 )  
*A23G 3/44* ( 2006.01 )  
*A61K 8/44* ( 2006.01 )  
*A61K 8/65* ( 2006.01 )  
*A61K 8/73* ( 2006.01 )  
*A61Q 11/00* ( 2006.01 )  
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**(54)** SUPPORT CUSHIONS INCLUDING FOAM ARCHES  
**(51)** Int. Cl.  
**A47C 27/14** ( 2006.01 )  
**A47C 27/15** ( 2006.01 )  
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**(72)** BRYANT, Brian; HARRIS, David; STROTHER, Timothy  
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**(51)** Int. Cl.  
**F24S 20/20** ( 2018.01 )  
**F24S 70/16** ( 2018.01 )  
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**(11)** AU-A-2022354316  
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**(54)** METAL LEACHING PROCESS AND APPARATUS  
**(51)** Int. Cl.  
**C22B 15/00** ( 2006.01 )  
**C01B 11/04** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 3/04** ( 2006.01 )  
**C22B 3/10** ( 2006.01 )  
**C25B 1/26** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
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**F17C 3/08** ( 2006.01 )  
**A01N 1/02** ( 2006.01 )  
**F17C 5/02** ( 2006.01 )  
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**F24F 1/0073** ( 2019.01 )  
**F24F 8/108** ( 2021.01 )  
**F24F 8/22** ( 2021.01 )  
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**F24F 7/08** ( 2006.01 )  
**F24F 1/0038** ( 2019.01 )  
**F24F 13/20** ( 2006.01 )  
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**(54)** VENTILATION DEVICE AND AIR-CONDITIONING SYSTEM  
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**C07K 14/005** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
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**A61P 31/14** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**B01D 53/50** ( 2006.01 )  
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**B01D 53/58** ( 2006.01 )  
**B01D 53/76** ( 2006.01 )  
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**(74)** Flint Intellectual Property Limited
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**H04W 68/00** ( 2009.01 )  
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*A01N 1/02* ( 2006.01 )  
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 (51) Int. Cl.  
*E05B 19/00* ( 2006.01 )  
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*A61K 9/50* ( 2006.01 )  
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*A61P 1/00* ( 2006.01 )  
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 (54) ANIMAL PRODUCTION METHOD  
 (51) Int. Cl.  
*G01N 33/68* ( 2006.01 )  
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*G01N 33/72* ( 2006.01 )  
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 (54) REAGENTS FOR SITE-SPECIFIC LABELING OF PROTEINS WITH RADI-OHALOGENS, AND METHODS OF MAKING AND USING THE SAME  
 (51) Int. Cl.  
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*C07D 271/113* ( 2006.01 )  
*A61K 51/10* ( 2006.01 )  
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 (54) PURGE VESSEL AND METHOD FOR USING PURGE VESSEL  
 (51) Int. Cl.  
*F17C 13/00* ( 2006.01 )  
*F04D 7/02* ( 2006.01 )  
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 (54) LIFTING DEVICE, PUMP DELIVERY METHOD, AND PUMP RAISING METHOD  
 (51) Int. Cl.  
*F04D 13/08* ( 2006.01 )  
*F04B 53/22* ( 2006.01 )  
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 (54) INTEGRALLY PORTABLE PURGE CONTAINER AND METHOD FOR USING SAME  
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*F17C 13/00* (2006.01)  
*F04D 13/08* (2006.01)  
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 (54) NEW QUINOLINE DERIVATIVES  
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*C07D 405/12* (2006.01)  
*A61K 31/4709* (2006.01)  
*A61P 33/10* (2006.01)  
*C07D 405/14* (2006.01)  
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 (74) Davies Collison Cave Pty Ltd
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- (71) ELC MANAGEMENT LLC  
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 (54) PERSONAL CARE CAPSULE MANUFACTURE AND STORAGE  
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*A45D 40/00* (2006.01)  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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*A61K 8/33* (2006.01)  
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*A61Q 13/00* (2006.01)  
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 (54) TISSUE CUTTING SYSTEM AND METHOD  
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*G01N 1/28* (2006.01)  
*G01N 1/42* (2006.01)  
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 (54) AHR AGONISTS  
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*C07D 215/06* (2006.01)  
*A61K 31/4375* (2006.01)  
*A61K 31/4704* (2006.01)  
*A61K 31/4709* (2006.01)  
*A61P 37/00* (2006.01)  
*C07D 401/12* (2006.01)  
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 (54) AHR AGONISTS  
 (51) Int. Cl.  
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 (54) NOVEL OMNI 115, 124, 127, 144-149, 159, 218, 237, 248, 251-253 AND 259 CRISPR NUCLEASES  
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*C12N 9/22* (2006.01)  
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*A61F 2/95* (2013.01)  
*A61B 17/00* (2006.01)  
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*G06F 16/2458* ( 2019.01 )  
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 A61K 31/575 ( 2006.01 )  
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 A61K 47/10 ( 2017.01 )  
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 E21B 17/02 ( 2006.01 )  
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 E21B 23/00 ( 2006.01 )
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 C09K 8/50 ( 2006.01 )  
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 C07D 305/08 ( 2006.01 )  
 A61K 31/38 ( 2006.01 )  
 A61P 9/10 ( 2006.01 )  
 A61P 31/04 ( 2006.01 )
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 B08B 3/12 ( 2006.01 )  
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 B63B 59/08 ( 2006.01 )  
 G01N 21/94 ( 2006.01 )
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 A01G 9/02 ( 2018.01 )  
 A01G 9/029 ( 2018.01 )  
 A01G 9/24 ( 2006.01 )  
 A01G 31/04 ( 2006.01 )  
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 (51) Int. Cl.  
 C08L 5/08 ( 2006.01 )  
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 (54) BISPECIFIC ANTI-FLT3/CD3 ANTIBODIES AND METHODS OF USE  
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 A61P 35/00 ( 2006.01 )
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*C07K 16/28* ( 2006.01 )  
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*B61L 23/04* ( 2006.01 )  
*G05B 23/02* ( 2006.01 )  
*G06Q 10/20* ( 2023.01 )  
*G06Q 50/40* ( 2024.01 )  
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**(54)** SYSTEMS AND METHODS FOR MEASURING MOVEMENT OF A COMPRESSED BREAST  
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*A61B 6/04* ( 2006.01 )  
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*A61P 3/10* ( 2006.01 )  
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*E21B 7/04* ( 2006.01 )  
*F24T 10/17* ( 2018.01 )  
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*B05B 1/34* ( 2006.01 )  
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*F16L 55/40* ( 2006.01 )  
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**(51)** Int. Cl.  
*H02S 20/32* ( 2014.01 )  
*F24S 25/12* ( 2018.01 )  
*F24S 30/00* ( 2018.01 )  
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**(51)** Int. Cl.  
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*A61K 9/107* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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**C07C 69/33** ( 2006.01 )  
**A61Q 19/10** ( 2006.01 )  
**C07C 67/08** ( 2006.01 )  
**C09K 23/34** ( 2022.01 )  
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**(51)** Int. Cl.  
**A61K 31/44** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
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**(54)** WIRED IMPLANTABLE MONOLITHIC INTEGRATED SENSOR CIRCUIT  
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**A61B 5/1473** ( 2006.01 )  
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**H04W 76/15** ( 2018.01 )  
**H04W 48/08** ( 2009.01 )  
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**A61K 35/17** ( 2015.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 15/90** ( 2006.01 )  
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**(31)** 63/242,373 (32) 09.09.21 (33) US  
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**(21)** 2022354174 (22) 28.09.2022  
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**(51)** Int. Cl.  
**A61J 17/00** ( 2006.01 )  
**A41D 11/00** ( 2006.01 )  
**A41D 13/11** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/202** ( 2006.01 )  
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**A61P 25/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
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**H01L 31/048** ( 2014.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/05** ( 2014.01 )  
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**(51)** Int. Cl.  
**A61B 5/145** ( 2006.01 )  
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C12N 9/22 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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C07D 209/10 ( 2006.01 )  
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C07C 255/36 ( 2006.01 )  
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C07F 9/12 ( 2006.01 )  
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**(54)** SOLID COMPOSITION SUITABLE AS A NUTRITIONAL COMPOSITION OR SUPPLEMENT FOR ANIMALS THAT SUFFER FROM BRAIN RELATED DISORDERS, DECLINE OR DISEASES  
**(51)** Int. Cl.  
**A23L 33/12** ( 2016.01 )  
**A23L 33/13** ( 2016.01 )
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- A23L 33/19** ( 2016.01 )  
**A61K 31/14** ( 2006.01 )  
**A61K 31/202** ( 2006.01 )  
**A61K 31/22** ( 2006.01 )  
**A61K 31/7072** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(87)** WO2023/041776  
**(31)** 21197484.5 **(32)** 17.09.21 **(33)** EP  
**(43)** 23.03.2023  
**(72)** PAYNE, Leo Samuel; HOLS, Gerrit; COUNOTTE, Danielle Stefanie; GLYN-JONES, Sarah  
**(74)** Griffith Hack
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- (71)** NA VACCINE INSTITUTE  
**(11)** AU-A-2022418939  
**(21)** 2022418939 **(22)** 02.12.2022  
**(54)** COMPOSITION FOR PREVENTING OR TREATING ISCHEMIA-REPERFUSION INJURY AND USE THEREOF  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**(87)** WO2023/121050  
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**(74)** FB Rice Pty Ltd
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- (71)** NEURA ROBOTICS GMBH  
**(11)** AU-A-2022346813  
**(21)** 2022346813 **(22)** 16.09.2022  
**(54)** RADAR SYSTEM AND METHOD FOR DETECTING AN OBJECT IN SPACE  
**(51)** Int. Cl.  
**G01S 13/42** ( 2006.01 )  
**G01S 13/87** ( 2006.01 )  
**(87)** WO2023/041683  
**(31)** 10 2021 124 012.3 **(32)** 16.09.21 **(33)** DE  
**(43)** 23.03.2023  
**(72)** KOZLOV, Dmitrii; SIRAKY, Josef; REGER, David  
**(74)** Franke Hyland Pty Ltd
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- (71)** NEUTRON HOLDINGS, INC. dba LIME; CHADWICK, J.C.; LIU, S.; ONG, Y.J.; FOLEY, N.  
**(11)** AU-A-2020399804  
**(21)** 2020399804 **(22)** 11.12.2020  
**(54)** CONTROLLER FOR A LIGHT ELECTRIC VEHICLE  
**(51)** Int. Cl.  
**B62J 6/00** ( 2020.01 )  
**G06Q 30/06** ( 2023.01 )  
**(87)** WO2021/119526  
**(31)** 16/714,327 **(32)** 13.12.19 **(33)** US  
**(43)** 17.06.2021  
**(72)** CHADWICK, Joshua, Caleb; LIU, Shuli; ONG, Yu, Jie; FOLEY, Nicholas  
**(74)** Dentons Patent Attorneys Australasia Limited
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- (71)** NEWSOUTH INNOVATIONS PTY LIMITED  
**(11)** AU-A-2022336869  
**(21)** 2022336869 **(22)** 30.08.2022  
**(54)** COMBINING DEVICE BEHAVIORAL MODELS AND BUILDING SCHEMA FOR CYBER-SECURITY OF LARGE-SCALE IOT INFRASTRUCTURE  
**(51)** Int. Cl.  
**H04L 9/40** ( 2022.01 )  
**G16Y 30/10** ( 2020.01 )  
**H04L 67/12** ( 2022.01 )  
**(87)** WO2023/031804  
**(31)** 63/238,755 **(32)** 30.08.21 **(33)** US  
**(43)** 09.03.2023  
**(72)** GHARAKHEILI, Hassan Habibi; HAMZA, Mohammed Ayyoob Ahamed; SIVARAMAN, Vijay  
**(74)** Spruson & Ferguson
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- (71)** NICOVENTURES TRADING LIMITED  
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**(21)** 2022343925 **(22)** 03.08.2022  
**(54)** DELIVERY DEVICE AND DELIVERY SYSTEM  
**(51)** Int. Cl.  
**A24F 40/60** ( 2020.01 )  
**(87)** WO2023/037089  
**(31)** 20221110647465 **(32)** 10.09.21 **(33)** CN  
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**(43)** 16.03.2023  
**(72)** GALATI, Rosa; BELL, Sally; KERSEY, Rob; YIN, Chris  
**(74)** Spruson & Ferguson
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- (71)** NISSHINBO SINGAPORE PTE. LTD.  
**(11)** AU-A-2021467791  
**(21)** 2021467791 **(22)** 04.10.2021  
**(54)** HEARTBEAT/RESPIRATION OUTPUT DEVICE AND HEARTBEAT/RESPIRATION OUTPUT PROGRAM  
**(51)** Int. Cl.  
**A61B 5/11** ( 2006.01 )  
**A61B 5/0245** ( 2006.01 )  
**(87)** WO2023/058090  
**(43)** 13.04.2023  
**(72)** TSUSHIMA, Kengo; SAITO, Kazuo; FUJII, Minoru  
**(74)** FB Rice Pty Ltd
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- (71)** NOBELL FOODS, INC.  
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**(21)** 2022357568 **(22)** 30.09.2022  
**(54)** INCREASED YIELD OF MILK PROTEIN PER ACRE  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**(87)** WO2023/056475  
**(31)** 63/250,600 **(32)** 30.09.21 **(33)** US  
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**(72)** EL-RICHANI, Magi; LANQUAR, Viviane; KLEMASZEWSKI, Joseph; WANG, Yaxin; HATHWAIK, Leyla; CAIN, Alexander; PARK, Sunchung; HOYLE, Jacob William  
**(74)** RnB IP



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 (11) AU-A-2021460868  
 (21) 2021460868 (22) 20.08.2021  
 (54) PROVIDING TEMPORARY NETWORK SLICE SERVICES IN A COMMUNICATION SYSTEM  
 (51) Int. Cl.  
*H04W 48/18* ( 2009.01 )  
*H04W 48/08* ( 2009.01 )  
 (87) WO2023/020701  
 (43) 23.02.2023  
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 (74) Spruson & Ferguson
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- (71) NOUVEAU MONDE GRAPHITE INC.  
 (11) AU-A-2022326498  
 (21) 2022326498 (22) 10.08.2022  
 (54) PROCESS FOR THE PURIFICATION OF GRAPHITE MATERIAL  
 (51) Int. Cl.  
*C01B 32/215* ( 2017.01 )  
*C01B 32/20* ( 2017.01 )  
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 (43) 16.02.2023  
 (72) BOISVERT, Rene; BOULANGER, Patrice; BRASSARD, Martin; DESAULNIERS, Eric; NORVAL, Graeme; RIECKMANN, Philippe; TAN, Andrew  
 (74) Griffith Hack
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- (71) NUCLEUS THERAPEUTICS PTY LTD; YALE UNIVERSITY  
 (11) AU-A-2022337199  
 (21) 2022337199 (22) 30.08.2022  
 (54) METHOD OF TREATMENT  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
 (87) WO2023/034778  
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 (74) FB Rice Pty Ltd
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 (11) AU-A-2022336758  
 (21) 2022336758 (22) 26.08.2022  
 (54) WELLSITE METHANE PYROLYZER AND WELLSITE METHANE PYROLYSIS ALTERNATIVE TO FLARING  
 (51) Int. Cl.  
*C01B 3/26* ( 2006.01 )  
*B01J 10/00* ( 2006.01 )  
*B01J 35/27* ( 2024.01 )
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- (71) OMACHRON INTELLECTUAL PROPERTY INC.  
 (11) AU-A-2022358788  
 (21) 2022358788 (22) 31.03.2022  
 (54) SURFACE CLEANING APPARATUS  
 (51) Int. Cl.  
*A47L 9/00* ( 2006.01 )  
*A47L 9/16* ( 2006.01 )  
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 (31) 63/253,876 (32) 08.10.21 (33) US  
 (43) 13.04.2023  
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 (74) TJIP Patents, Trade Marks & Designs
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 (11) AU-A-2021470494  
 (21) 2021470494 (22) 18.10.2021  
 (54) METHOD AND DEVICE FOR MEASURING A TEMPERATURE AND/OR A STRAIN IN AN OPTICAL FIBER  
 (51) Int. Cl.  
*G01D 5/353* ( 2006.01 )  
*G01D 18/00* ( 2006.01 )  
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 (43) 27.04.2023  
 (72) GOY, Alexandre; ROCHAT, Etienne; VIDAL MORENO, Pedro, José; GONZALEZ HERRAEZ, Miguel  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022327751  
 (21) 2022327751 (22) 11.08.2022  
 (54) PREDICTING PATIENT RESPONSE  
 (51) Int. Cl.  
*G16B 40/20* ( 2019.01 )  
*G06N 20/00* ( 2019.01 )  
*G16B 20/00* ( 2019.01 )  
*G16H 20/10* ( 2018.01 )  
 (87) WO2023/017525  
 (31) 63/231,770 (32) 11.08.21 (33) US  
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 (72) LAHAV, Coren; SELA, Itamar; ELON, Yehonatan; HAREL, Michal; JACOB, Eyal  
 (74) Collison & Co
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- (71) ONCOONE RESEARCH & DEVELOPMENT GMBH  
 (11) AU-A-2022336665  
 (21) 2022336665 (22) 02.09.2022  
 (54) IMPROVED Fc SILENCED ANTI-oxMIF ANTIBODIES WITH REDUCED AGGREGATION POTENTIAL AND REDUCED HYDROPHOBICITY  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )
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- (71) A61K 31/00 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 A61K 49/00 ( 2006.01 )  
 A61K 51/04 ( 2006.01 )  
 A61P 13/12 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 37/06 ( 2006.01 )  
 C07K 16/44 ( 2006.01 )  
 C07K 16/46 ( 2006.01 )  
 (87) WO2023/031397  
 (31) 21194701.5 (32) 03.09.21 (33) EP  
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 (43) 09.03.2023  
 (72) SCHINAGL, Alexander; KERSCHBAUMER, Randolph; THIELE, Michael Robert  
 (74) Davies Collison Cave Pty Ltd
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- (71) ORCHARD THERAPEUTICS (EUROPE) LIMITED  
 (11) AU-A-2022341119  
 (21) 2022341119 (22) 08.09.2022  
 (54) COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING AUTOIMMUNE DISEASES  
 (51) Int. Cl.  
*A61K 35/17* ( 2015.01 )  
*C12N 5/10* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
 (87) WO2023/039489  
 (31) 63/241,836 (32) 08.09.21 (33) US  
 (43) 16.03.2023  
 (72) WOLFE, Jia, L.; MARKS-BLUTH, Jonathon, Simeon; GASPARD, Bobby; SAGOO, Pervinder; RECCHI, Chiara  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) ORTHOPEDIATRICS CORP.  
 (11) AU-A-2022333142  
 (21) 2022333142 (22) 26.08.2022  
 (54) GUIDED GROWTH SPINAL IMPLANTS  
 (51) Int. Cl.  
*A61B 17/70* ( 2006.01 )  
*A61B 17/84* ( 2006.01 )  
*A61B 17/86* ( 2006.01 )  
 (87) WO2023/028588  
 (31) 63/237,371 (32) 26.08.21 (33) US  
 (43) 02.03.2023  
 (72) DETLEFSEN, Richard; PRYGOSKI, Matthew; SNYDER, Brian; SANDERS, James; BUMPASS, David; SCHWEND, Richard M.; LUHMANN, Scott; MCCARTHY, Richard  
 (74) Dentons Patent Attorneys Australasia Limited
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- (71) OWENS CORNING INTELLECTUAL CAPITAL, LLC  
 (11) AU-A-2022354857  
 (21) 2022354857 (22) 28.09.2022  
 (54) BARRIER COATING COMPOSITION FOR USE IN MANUFACTURING POLYMER FOAM PRODUCTS  
 (51) Int. Cl.  
*C08J 9/12* ( 2006.01 )  
*C08J 9/14* ( 2006.01 )  
*C08J 9/36* ( 2006.01 )

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**(31)** 63/249,246 **(32)** 28.09.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** BOUDREAU, Chase; THOMAS, Jeff; WEEKLEY, Mitchell; HEPPE, Christine; FRAZIER, Laura  
**(74)** Spruson & Ferguson
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- (71)** OXFORD UNIVERSITY INNOVATION LIMITED  
**(11)** AU-A-2022322054  
**(21)** 2022322054 **(22)** 05.08.2022  
**(54)** A CHARGE-LOCKING CIRCUIT AND METHOD  
**(51)** Int. Cl.  
**G11C 11/44** ( 2006.01 )  
**G11C 29/02** ( 2006.01 )  
**G06N 10/00** ( 2022.01 )  
**G11C 5/14** ( 2006.01 )  
**G11C 27/02** ( 2006.01 )  
**(87)** WO2023/012485  
**(31)** 2111368.3 **(32)** 06.08.21 **(33)** GB  
**(43)** 09.02.2023  
**(72)** BRIGGS, George Andrew Davidson; MOL, Jan Andries; BIAN, Xinya  
**(74)** Michael Buck IP
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- (71)** P.R. SELLA B.V.  
**(11)** AU-A-2022348364  
**(21)** 2022348364 **(22)** 09.09.2022  
**(54)** SEAT  
**(51)** Int. Cl.  
**A61G 5/10** ( 2006.01 )  
**A47C 7/14** ( 2006.01 )  
**A47C 7/22** ( 2006.01 )  
**A47C 7/28** ( 2006.01 )  
**A61G 5/12** ( 2006.01 )  
**(87)** WO2023/043307  
**(31)** 2029202 **(32)** 17.09.21 **(33)** NL  
**(43)** 23.03.2023  
**(72)** HUTTENHUIS, Aloysius Gerhardus  
**(74)** Spruson & Ferguson
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- (71)** PARAGON 28, INC.  
**(11)** AU-A-2022323511  
**(21)** 2022323511 **(22)** 02.08.2022  
**(54)** IMPLANTS, INSTRUMENTS, SYSTEMS, AND METHODS OF USING  
**(51)** Int. Cl.  
**A61F 2/42** ( 2006.01 )  
**A61B 17/15** ( 2006.01 )  
**A61F 2/44** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**(87)** WO2023/015196  
**(31)** 63/203,852 **(32)** 02.08.21 **(33)** US  
**(43)** 09.02.2023  
**(72)** DACOSTA, Albert; GILL, Sean; MAJORS, Benjamin; BRINKER, Laura Zagrocki; KARAS, Kaitlin  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** PATKAR, R.S.  
**(11)** AU-A-2022349902  
**(21)** 2022349902 **(22)** 20.09.2022
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- (54)** PORTABLE ELECTROCHEMICAL NUTRIENT TESTING DEVICE FOR SOIL HEALTH MONITORING  
**(51)** Int. Cl.  
**G01N 27/416** ( 2006.01 )  
**G01N 33/24** ( 2006.01 )  
**(87)** WO2023/047410  
**(31)** 202121042852 **(32)** 22.09.21 **(33)** IN  
**(43)** 30.03.2023  
**(72)** SINGH, Mukul; VINCHURKAR, Madhuri; PATKAR, Rajul Sachin  
**(74)** Michael Buck IP
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- (71)** PERMARE S.R.L.  
**(11)** AU-A-2022345527  
**(21)** 2022345527 **(22)** 16.09.2022  
**(54)** APPARATUS FOR MOLDING A SHELL ELEMENT MADE OF COMPOSITE MATERIAL, PARTICULARLY A HULL OF A BOAT, AND METHOD THEREOF  
**(51)** Int. Cl.  
**B29C 70/42** ( 2006.01 )  
**B29C 33/74** ( 2006.01 )  
**B29C 70/54** ( 2006.01 )  
**B63B 5/24** ( 2006.01 )  
**B63B 73/70** ( 2020.01 )  
**B63B 73/74** ( 2020.01 )  
**G01D 5/12** ( 2006.01 )  
**B29C 33/70** ( 2006.01 )  
**B29C 37/00** ( 2006.01 )  
**(87)** WO2023/042135  
**(31)** 102021000023918 **(32)** 17.09.21 **(33)** IT  
**(43)** 23.03.2023  
**(72)** AMERIO, Barbara  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** PLANTIBODIES  
**(11)** AU-A-2022343905  
**(21)** 2022343905 **(22)** 12.09.2022  
**(54)** GENETICALLY MODIFIED ORGANISM FOR RECOMBINANT PROTEIN PRODUCTION  
**(51)** Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**(87)** WO2023/036984  
**(31)** 21306255.7 **(32)** 13.09.21 **(33)** EP  
**(43)** 16.03.2023  
**(72)** BAUËR, Pierre; MAZHAR, Bilal; KIM, Won  
**(74)** Spruson & Ferguson
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- (71)** PPG INDUSTRIES OHIO, INC.  
**(11)** AU-A-2022330093  
**(21)** 2022330093 **(22)** 11.07.2022  
**(54)** SYSTEM AND METHOD FOR DYNAMICALLY CONTROLLING A THERMOSET THREE-DIMENSIONAL PRINTER TO CREATE DESIRED MATERIAL ATTRIBUTES  
**(51)** Int. Cl.  
**B29C 64/106** ( 2017.01 )  
**B29C 64/112** ( 2017.01 )  
**B29C 64/336** ( 2017.01 )  
**B29C 64/343** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 40/00** ( 2020.01 )  
**(87)** WO2023/023426  
**(31)** 63/234,319 **(32)** 18.08.21 **(33)** US
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- (43)** 23.02.2023  
**(72)** DOBOSZ, Kerianne Merceline; WILKINSON, Bryan William; KUTCHKO, Cynthia; BUBAS, Michael Anthony; EPSTEIN, Eric Scott  
**(74)** Minter Ellison
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- (71)** PPG INDUSTRIES OHIO, INC.  
**(11)** AU-A-2022349024  
**(21)** 2022349024 **(22)** 07.07.2022  
**(54)** SYSTEM AND METHOD FOR DYNAMICALLY CONTROLLING A THERMOSET THREE-DIMENSIONAL PRINTER BASED UPON PRINT PARAMETERS OF DIFFERENT MATERIALS  
**(51)** Int. Cl.  
**B29C 64/106** ( 2017.01 )  
**B29C 64/393** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 30/00** ( 2015.01 )  
**B33Y 50/02** ( 2015.01 )  
**B33Y 70/00** ( 2020.01 )  
**(87)** WO2023/049538  
**(31)** 63/234,395 **(32)** 18.08.21 **(33)** US  
**(43)** 30.03.2023  
**(72)** DOBOSZ, Kerianne Merceline; WILKINSON, Bryan William; EPSTEIN, Eric Scott; BUBAS, Michael Anthony; KUTCHKO, Cynthia  
**(74)** Minter Ellison
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- (71)** PRELOAD CRYOGENICS, LLC  
**(11)** AU-A-2022354178  
**(21)** 2022354178 **(22)** 28.09.2022  
**(54)** PRECAST, PRESTRESSED CONCRETE CRYOGENIC TANKS - SLIDING BASE INSULATION SYSTEM AND METHOD FOR FULL AND DOUBLE CONTAINMENT SYSTEMS  
**(51)** Int. Cl.  
**F17C 3/02** ( 2006.01 )  
**E04H 7/20** ( 2006.01 )  
**E04C 2/288** ( 2006.01 )  
**(87)** WO2023/055782  
**(31)** 63/249,205 **(32)** 28.09.21 **(33)** US  
**(43)** 06.04.2023  
**(72)** MEHTA, Sanjay; REAMAN, Eric, T.  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** PRESIDENT AND FELLOWS OF HARVARD COLLEGE  
**(11)** AU-A-2022343534  
**(21)** 2022343534 **(22)** 07.09.2022  
**(54)** SYSTEMS AND METHODS FOR CONTROLLING FLUID FLOW BETWEEN MULTIPLE CHAMBERS OF A TESTING DEVICE  
**(51)** Int. Cl.  
**A61B 10/02** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
**(87)** WO2023/038967  
**(31)** 63/241,868 **(32)** 08.09.21 **(33)** US  
**(43)** 16.03.2023  
**(72)** SCHAUS, Thomas E.; YIN, Peng  
**(74)** FB Rice Pty Ltd

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(11) AU-A-2022358741  
(21) 2022358741 (22) 05.10.2022  
(54) MULTIMODAL METHOD AND SYSTEM FOR EVALUATING AND IMPROVING NEUROMOTOR CONTROL ABILITY  
(51) Int. Cl.  
A61B 3/11 ( 2006.01 )  
A61B 3/113 ( 2006.01 )  
A61B 3/14 ( 2006.01 )  
A61B 5/00 ( 2006.01 )  
A61B 5/11 ( 2006.01 )  
(87) WO2023/056512  
(31) 2021903207 (32) 07.10.21 (33) AU  
(43) 13.04.2023  
(72) MCGRATH, Elizabeth  
(74) Moulis Legal
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- (71) PROGNOMIQ, INC.  
(11) AU-A-2022341187  
(21) 2022341187 (22) 12.09.2022  
(54) ENHANCED DETECTION AND QUANTITATION OF BIOMOLECULES  
(51) Int. Cl.  
G01N 33/58 ( 2006.01 )  
G01N 33/543 ( 2006.01 )  
B82Y 15/00 ( 2011.01 )  
G01N 33/574 ( 2006.01 )  
(87) WO2023/039579  
(31) 63/243,645 (32) 13.09.21 (33) US  
(43) 16.03.2023  
(72) WILCOX, Bruce; SWAMINATHAN, Kavya; WILLIAMS, Preston B.; DEYARMIN, Jared; YANG, Mi  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2022343290  
(21) 2022343290 (22) 09.09.2022  
(54) AGGLUTINATING AGENTS, DEVICES AND METHODS FOR WHOLE BLOOD ASSAYS  
(51) Int. Cl.  
G01N 33/50 ( 2006.01 )  
G01N 33/49 ( 2006.01 )  
G01N 33/52 ( 2006.01 )  
G01N 33/558 ( 2006.01 )  
(87) WO2023/039536  
(31) 63/242,754 (32) 10.09.21 (33) US  
(43) 16.03.2023  
(72) SUN, Jason J.; MCCLURE, Jason; RICHARDSON, Kevin S.  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) QYUNS THERAPEUTICS CO., LTD.  
(11) AU-A-2021462394  
(21) 2021462394 (22) 09.12.2021  
(54) ANTI-HUMAN TSLP MONOCLONAL ANTIBODY AND USE THEREOF  
(51) Int. Cl.  
C07K 16/24 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
A61P 1/00 ( 2006.01 )  
A61P 11/02 ( 2006.01 )  
A61P 11/06 ( 2006.01 )  
A61P 17/00 ( 2006.01 )  
A61P 17/00 ( 2006.01 )  
(87) WO2023/039089  
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C07K 16/24 ( 2006.01 )  
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A61P 1/00 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
A61P 11/06 ( 2006.01 )  
A61P 17/00 ( 2006.01 )  
A61P 19/02 ( 2006.01 )  
A61P 25/00 ( 2006.01 )  
A61P 27/02 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
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A61K 31/444 ( 2006.01 )  
A61K 31/4709 ( 2006.01 )  
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A61K 31/519 ( 2006.01 )  
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A61K 35/30 ( 2015.01 )  
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A61M 16/08 ( 2006.01 )  
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*C12Q 1/68* (2018.01)  
*C12Q 1/6834* (2018.01)  
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 (51) Int. Cl.  
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*F16H 57/04* (2010.01)  
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**A61P 3/06** ( 2006.01 )  
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(54) CYANO COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
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**C07D 403/12** ( 2006.01 )  
**A61K 31/38** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
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**C07D 207/26** ( 2006.01 )  
**C07D 307/02** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**A61K 31/501** ( 2006.01 )  
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**C07D 401/14** ( 2006.01 )  
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**C22B 3/08** ( 2006.01 )  
**B01D 11/02** ( 2006.01 )  
**C22B 3/22** ( 2006.01 )  
**C22B 3/46** ( 2006.01 )  
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**B29C 33/38** ( 2006.01 )  
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**B29C 64/386** ( 2017.01 )  
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 (54) METHOD AND SYSTEMS FOR DETERMINING A MEASUREMENT ERROR IN A MEASUREMENT OF HYDROGEN CONCENTRATION

(51) Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**F02D 41/02** ( 2006.01 )  
**G01N 27/18** ( 2006.01 )  
**G01N 33/22** ( 2006.01 )

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(71) SIEMENS GAMESA RENEWABLE ENERGY A/S

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 (21) 2022357275 (22) 27.09.2022  
 (54) WIND TURBINE BLADE, LADDER SUPPORT ASSEMBLY, WIND TURBINE AND METHOD FOR PROVIDING ACCESS TO THE INTERIOR OF A HOLLOW BLADE OF A WIND TURBINE

(51) Int. Cl.  
**F03D 1/06** ( 2006.01 )  
**F03D 80/50** ( 2016.01 )

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(54) A METHOD FOR BONDING SEALING ELEMENTS TO SUBSTRATES USING A CEMENTITIOUS ADHESIVE

(51) Int. Cl.  
**C09J 5/00** ( 2006.01 )  
**E04B 1/66** ( 2006.01 )  
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 (21) 2022330892 (22) 19.08.2022  
 (54) CAMPTOTHECIN DERIVATIVE, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF

(51) Int. Cl.  
**C07D 491/147** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (74) Southern Cross Intellectual Property

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 (54) BOLLARD ANCHOR SYSTEM

(51) Int. Cl.  
**B63B 21/06** ( 2006.01 )  
**E01F 9/685** ( 2016.01 )  
**E02D 5/80** ( 2006.01 )

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 (43) 23.03.2023  
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(71) SMARTSTALL LLC

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 (54) HANDS-FREE LOCKING MECHANISM  
 (51) Int. Cl.  
**E05B 47/00** ( 2006.01 )  
**E05B 47/02** ( 2006.01 )  
**E05B 65/00** ( 2006.01 )  
**E05C 19/02** ( 2006.01 )  
**E05B 41/00** ( 2006.01 )

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 (72) GAMBLE, Wynn Woodall; MAASDORP, Chase  
 (74) RADIAN GLOBAL PTY LTD

(71) SMITH, T.B.  
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 (21) 2022323272 (22) 04.08.2022  
 (54) METHOD FOR ENGINEERED GEOTHERMAL SYSTEM IN-SITU PERFORMANCE IMPROVEMENT TREATMENT USING BRINES INFUSED WITH CO<sub>2</sub>

(51) Int. Cl.  
**E21B 33/138** ( 2006.01 )  
**C01F 11/24** ( 2006.01 )  
**C09K 8/504** ( 2006.01 )  
**C09K 8/594** ( 2006.01 )  
**C09K 8/60** ( 2006.01 )  
**C09K 8/66** ( 2006.01 )  
**E21B 36/00** ( 2006.01 )  
**C01F 11/18** ( 2006.01 )  
**F03G 7/04** ( 2006.01 )

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 (72) SMITH, Thomas B.  
 (74) FB Rice Pty Ltd

(71) SNF GROUP  
 (11) AU-A-2022353080

(21) 2022353080 (22) 21.09.2022  
 (54) METHOD FOR MANUFACTURING PAPER AND CARDBOARD  
 (51) Int. Cl.  
**D21H 11/18** ( 2006.01 )  
**D21H 11/20** ( 2006.01 )  
**D21H 21/10** ( 2006.01 )

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 (72) BARRIERE, Cyril  
 (74) James & Wells Intellectual Property

(71) SOANE MATERIALS LLC  
 (11) AU-A-2022346964  
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 (54) SWELLABLE POLYMERIC MATERIALS AND USEFUL ARTICLES INCORPORATING SAME

(51) Int. Cl.  
**A61L 15/60** ( 2006.01 )  
**A61L 15/28** ( 2006.01 )  
**A61L 15/48** ( 2006.01 )  
**A61L 15/62** ( 2006.01 )  
**C08L 5/04** ( 2006.01 )

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 (72) SOANE, David S.; GREENE, Allison Hope; HIGGINS, Sydney Greenough  
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 (21) 2022374942 (22) 26.10.2022  
 (54) CAPSULE FOR THE PREPARATION OF A BEVERAGE  
 (51) Int. Cl.  
**B65D 85/804** ( 2006.01 )

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 (31) 21205483.7 (32) 29.10.21 (33) EP  
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 (54) COMPOSITIONS AND METHODS US-  
 ING AN AUTOPHAGY INDUCER TO  
 ENHANCE INTERMITTENT FASTING  
 (51) Int. Cl.  
 A23L 33/105 ( 2016.01 )  
 A23L 33/115 ( 2016.01 )  
 A23L 33/15 ( 2016.01 )  
 A23L 33/16 ( 2016.01 )  
 A61K 31/05 ( 2006.01 )  
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 (11) AU-A-2022356137  
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 (54) STEAM ELECTROLYSER SYSTEM  
 FOR THE PRODUCTION OF HYDRO-  
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 (51) Int. Cl.
- C25B 1/042 ( 2021.01 )  
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 C25B 15/08 ( 2006.01 )  
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 (11) AU-A-2022335166  
 (21) 2022335166 (22) 25.08.2022  
 (54) METHOD AND SYSTEM FOR MONIT-  
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 (51) Int. Cl.  
 A61B 5/00 ( 2006.01 )  
 A61B 5/11 ( 2006.01 )  
 A63B 24/00 ( 2006.01 )  
 G01C 22/00 ( 2006.01 )  
 G01P 13/00 ( 2006.01 )  
 G01P 15/08 ( 2006.01 )  
 G01P 15/14 ( 2013.01 )  
 G08B 21/18 ( 2006.01 )  
 G16H 50/30 ( 2018.01 )  
 H04W 4/80 ( 2018.01 )  
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 (54) UNIVERSAL T CELL AND APPLICA-  
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 C07K 14/705 ( 2006.01 )  
 A61K 35/17 ( 2015.01 )  
 C07K 14/715 ( 2006.01 )  
 C07K 16/08 ( 2006.01 )  
 C07K 16/30 ( 2006.01 )  
 C12N 15/85 ( 2006.01 )  
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 (54) SYSTEMS AND METHODS FOR  
 MODIFYING THE FOLDING TRA-  
 JECTORY AND FACILITATING FOLD-  
 ING OF POLYPEPTIDE CHAINS  
 (51) Int. Cl.  
 C07K 1/00 ( 2006.01 )  
 G16B 15/00 ( 2019.01 )  
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 (72) SOROKINA, Irina, Nikolaevna  
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 (51) Int. Cl.  
 A61B 17/14 ( 2006.01 )  
 A61B 17/16 ( 2006.01 )  
 B25F 5/00 ( 2006.01 )  
 B25F 5/02 ( 2006.01 )  
 A61B 17/00 ( 2006.01 )  
 A61B 90/00 ( 2016.01 )  
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 63/367,048 26.06.22 US  
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 (11) AU-A-2022347103  
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 (54) VENTS IN PIPELINE LINERS  
 (51) Int. Cl.  
 B29C 45/14 ( 2006.01 )  
 B29C 63/00 ( 2006.01 )  
 B29C 63/26 ( 2006.01 )  
 F16L 55/07 ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys
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 (54) PHARMACEUTICAL COMPOSITION  
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 A61K 9/20 ( 2006.01 )  
 A61K 31/20 ( 2006.01 )  
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 A23K 40/30 ( 2016.01 )  
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**A46B 5/04** ( 2006.01 )  
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**(21)** 2022347379 **(22)** 14.09.2022  
**(54)** FACILITATED DELIVERY OF CONCENTRATED ANTIBODY FORMULATIONS USING HYALURONIDASE  
**(51)** Int. Cl.  
**A61K 38/47** ( 2006.01 )  
**A61M 5/44** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 16/06** ( 2006.01 )  
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**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(54)** MATERIAL CATEGORISATION AND TRANSPORTATION SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**E21C 35/24** ( 2006.01 )  
**B60W 60/00** ( 2020.01 )  
**E21C 41/16** ( 2006.01 )  
**E21C 41/26** ( 2006.01 )  
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**(72)** OPPOLZER, Florian Andreas; MAH, Peter Siew Hun  
**(74)** FPA Patent Attorneys Pty Ltd

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**A01B 33/02** ( 2006.01 )  
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**(54)** METHOD OF ADAPTING BETWEEN BEAM MANAGEMENT STATES IN FR2  
**(51)** Int. Cl.  
**H04B 7/08** ( 2006.01 )  
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**(72)** LI, Ming; AXMON, Joakim; KAZMI, Muhammad; CHAPMAN, Thomas  
**(74)** FB Rice Pty Ltd

**(71)** TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD  
**(11)** AU-A-2022335916  
**(21)** 2022335916 **(22)** 01.09.2022  
**(54)** AGGREGATE SEPARATION METHOD  
**(51)** Int. Cl.  
**G01N 1/34** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**B01D 71/16** ( 2006.01 )  
**C07K 1/34** ( 2006.01 )  
**C07K 16/06** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**G01N 30/00** ( 2006.01 )  
**(87)** WO2023/028654  
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**(72)** STERRITT, Oliver William; WHEATCROFT, Michael Paul  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD  
**(11)** AU-A-2022335933  
**(21)** 2022335933 **(22)** 01.09.2022  
**(54)** PREPARATORY PROCESS  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**C07K 16/30** ( 2006.01 )  
**(87)** WO2023/028658  
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**(72)** STERRITT, Oliver William; WHEATCROFT, Michael Paul  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION; RENOVACOR, INC.  
**(11)** AU-A-2022325237  
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**(54)** RETROGRADE CORONARY VENOUS OR SINUS ADMINISTRATION OF THERAPEUTICS  
**(51)** Int. Cl.  
**A61P 9/02** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**(87)** WO2023/019272  
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**(72)** FELDMAN, Arthur M.; MYERS, Valerie; BOLOGNA, Marcia  
**(74)** RnB IP Pty Ltd

**(71)** THALES DIS CPL USA, INC.  
**(11)** AU-A-2022343469  
**(21)** 2022343469 **(22)** 29.08.2022  
**(54)** EXTENSION OF FUNCTIONALITY TO FILESYSTEMS IN CONTAINER ORCHESTRATION SYSTEMS  
**(51)** Int. Cl.  
**G06F 9/455** ( 2018.01 )  
**G06F 9/445** ( 2018.01 )  
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**(72)** SANTOS, José R.; BESAGARAHALLI LAKSHMAIAH, Partha Sarathi; PRATT, Steven; MOHAN, Mahesh  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(11)** AU-A-2022339843  
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**(54)** RNA-GUIDED GENOME RECOMBINER AT KILOBASE SCALE  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2023/034925  
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**(11)** AU-A-2022339355  
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**(54)** METHODS FOR IDENTIFYING CROSS-MODAL FEATURES FROM SPATIALLY RESOLVED DATA SETS  
**(51)** Int. Cl.  
**G06T 7/33** ( 2017.01 )  
**G06V 10/12** ( 2022.01 )  
**G06V 10/25** ( 2022.01 )  
**(87)** WO2023/033871



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- (71) THE JOHNS HOPKINS UNIVERSITY (71) THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY (71) THE UNIVERSITY OF MELBOURNE  
 (11) AU-A-2022349620 (11) AU-A-2022348587 (11) AU-A-2022322270  
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 (54) MRNA REGULON THERAPY FOR THE TREATMENT OF HAPLOINSUFFICIENCY DISORDERS (54) INTERLEUKIN-9 SIGNALING IN CHIMERIC ANTIGEN RECEPTOR (CAR) IMMUNE CELLS (54) VACCINE CONSTRUCT AND USES THEREOF  
 (51) Int. Cl. (51) Int. Cl. (51) Int. Cl.  
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 A61K 48/00 (2006.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01)  
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A61K 31/55 (2006.01)  
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**(54)** CHILD SAFETY SEAT AND ELECTRIC ANGLE ADJUSTMENT DEVICE THEREOF  
**(51)** Int. Cl.  
**B60N 2/28** ( 2006.01 )  
**B60N 2/02** ( 2006.01 )  
**(87)** WO2023/046954  
**(31)** 202111125485.3 **(32)** 24.09.21 **(33)** CN  
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**(72)** CHENG, Manqun  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** WUHAN NEUROPTH BIOTECHNOLOGY LIMITED COMPANY  
**(11)** AU-A-2022322957  
**(21)** 2022322957 **(22)** 05.08.2022  
**(54)** COMPOSITION AND METHOD FOR TREATING LEBER'S HEREDITARY OPTIC NEUROPATHY CAUSED BY ND4 MUTATION  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
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**(72)** LI, Bin  
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- (71)** XANTHO BIOTECHNOLOGY CO., LTD  
**(11)** AU-A-2022442015  
**(21)** 2022442015 **(22)** 18.02.2022  
**(54)** USE OF MANGOSTEEN FRUIT SHELL EXTRACT IN THE PREPARATION OF A MEDICAMENT FOR PROMOTING WOUND HEALING IN DIABETES  
**(51)** Int. Cl.  
**A61K 36/185** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
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**(72)** CHEN, Ku-Cheng; CHEN, Yen-Ju; CHEN, Shih-Yin; CHUANG, I-Pin  
**(74)** ALDRICH PROJECTS PTY LTD
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- (71)** XIZANG HAISCO PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2022329230  
**(21)** 2022329230 **(22)** 18.08.2022  
**(54)** BENZO NITROGEN-CONTAINING HETEROAROMATIC RING DERIVATIVE AND USE THEREOF IN MEDICINE  
**(51)** Int. Cl.  
**C07D 401/06** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**C07D 401/02** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 403/02** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
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**(72)** ZHANG, Chen; LIAO, Yuting; ZHU, Guozhi; TANG, Dachao; YU, Yan; TANG, Pingming; CHENG, Xinfan; LI, Yao; NI, Jia; YAN, Pangke  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** YALE UNIVERSITY  
**(11)** AU-A-2022323324  
**(21)** 2022323324 **(22)** 05.08.2022  
**(54)** LEPTOSPIRAL VIRULENCE MODULATING PROTEINS AND USES THEREOF  
**(51)** Int. Cl.  
**A61K 39/02** ( 2006.01 )  
**C12P 19/04** ( 2006.01 )  
**(87)** WO2023/015290  
**(31)** 63/230,244 **(32)** 06.08.21 **(33)** US  
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**(72)** VINETZ, Joseph  
**(74)** FB Rice Pty Ltd
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- (71)** YALE UNIVERSITY; GENNAO BIO, INC.  
**(11)** AU-A-2022340804  
**(21)** 2022340804 **(22)** 31.08.2022  
**(54)** COMPOSITIONS AND METHODS FOR TREATING CANCERS  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/44** ( 2006.01 )  
**C12N 15/87** ( 2006.01 )  
**(87)** WO2023/034864  
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- BAR-HOYOS, Luisa; QUIJANO, Elias;  
GLAZER, Peter; TURNER, Bruce, C.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** YOHANA LLC  
**(11)** AU-A-2022323523  
**(21)** 2022323523 **(22)** 04.08.2022  
**(54)** SYSTEMS AND METHODS FOR GENERATING AND CURATING TASKS  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**H04N 21/00** ( 2011.01 )  
**(87)** WO2023/015256  
**(31)** 63/229,269 **(32)** 04.08.21 **(33)** US  
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**(72)** MATSUOKA, Yoky; VISWANATHAN, Nitin; LIU, Lingyun; DEMING, Benjamin; PATERSON, Sean; VAN DER LINDEN, Gwendolyn W.; BEAULIEU, Malia  
**(74)** Spruson & Ferguson
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- (71)** YUANPU BIOTECHNOLOGY (WUHAN) CO., LTD.  
**(11)** AU-A-2022325360  
**(21)** 2022325360 **(22)** 09.08.2022  
**(54)** BISPECIFIC FUSION POLYPEPTIDE AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2023/016449  
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**(72)** DONG, Sicong; ZHANG, Hui; SUN, Wenjie; LIU, Yi; FENG, Yang  
**(74)** Madderns Pty Ltd
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- (71)** YUN NV; UNIVERSITEIT ANTWERPEN  
**(11)** AU-A-2022325488  
**(21)** 2022325488 **(22)** 12.08.2022  
**(54)** SPRAYABLE FORMULATION COMPRISING VIABLE AND/OR STABLE BACTERIA  
**(51)** Int. Cl.  
**A61K 8/25** ( 2006.01 )  
**A61K 8/92** ( 2006.01 )  
**A61K 8/99** ( 2017.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 35/747** ( 2015.01 )  
**A61K 47/02** ( 2006.01 )  
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**A61P 31/14** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
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**(72)** HENKENS, Tim; CLAES, Ingmar; SIMONS, Alix; GAMGAMI, Imane; LEBEER, Sarah; DE BOECK, Ilke; SPAKOVA, Irina  
**(74)** Collision & Co
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- (71)** ZOETIS SERVICES LLC  
**(11)** AU-A-2022343476  
**(21)** 2022343476 **(22)** 02.09.2022
- (54)** IMMUNOMODULATING AZALIDES  
**(51)** Int. Cl.  
**C07H 17/08** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**(72)** COX, Mark, R.; EWIN, Richard, A.; RESPONDEK, Tomasz; HOT, Imelda; MADDUX, Todd, M.  
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- (71)** ZTE CORPORATION  
**(11)** AU-A-2021467047  
**(21)** 2021467047 **(22)** 28.09.2021  
**(54)** TECHNIQUES FOR MANAGING TIMING ADVANCE REPORT  
**(51)** Int. Cl.  
**H04W 56/00** ( 2009.01 )  
**(87)** WO2023/050024  
**(43)** 06.04.2023  
**(72)** CUI, Fangyu; DAI, Jianqiang; ZHANG, Nan  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** ZTE CORPORATION  
**(11)** AU-A-2021480748  
**(21)** 2021480748 **(22)** 31.12.2021  
**(54)** METHOD FOR DATA TRAFFIC CORRELATION AND TRANSMISSION  
**(51)** Int. Cl.  
**H04W 28/24** ( 2009.01 )  
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**(72)** LI, Zhijun; ZHU, Jinguo; WANG, Menghan  
**(74)** Davies Collision Cave Pty Ltd
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- (71)** ZTE CORPORATION  
**(11)** AU-A-2022435524  
**(21)** 2022435524 **(22)** 24.01.2022  
**(54)** METHOD FOR NETWORK NODE INTEGRATION  
**(51)** Int. Cl.  
**H04W 16/26** ( 2009.01 )  
**H04W 74/08** ( 2009.01 )  
**H04W 88/08** ( 2009.01 )  
**(87)** WO2023/137764  
**(43)** 27.07.2023  
**(72)** CAO, Wei; ZHANG, Nan; LI, Ziyang; XU, Hanqing; LI, Jian  
**(74)** Davies Collision Cave Pty Ltd
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- (71)** ZTE CORPORATION  
**(11)** AU-A-2022437935  
**(21)** 2022437935 **(22)** 27.01.2022  
**(54)** MULTIPLE CARRIER TRANSMISSION TECHNIQUES  
**(51)** Int. Cl.  
**H04W 72/04** ( 2023.01 )  
**(87)** WO2023/141845
- (43)** 03.08.2023  
**(72)** WEI, Xingguang; SHI, Jing; HAN, Xianghui; KOU, Shuaihua; REN, Min  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** ZYRIS, INC  
**(11)** AU-A-2022323989  
**(21)** 2022323989 **(22)** 02.08.2022  
**(54)** HYPOCHLOROUS FOGGING OR MISTING APPARATUS AND METHODS  
**(51)** Int. Cl.  
**A61L 2/26** ( 2006.01 )  
**B05B 7/24** ( 2006.01 )  
**(87)** WO2023/014701  
**(31)** 17/393,018 **(32)** 03.08.21 **(33)** US  
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**(43)** 09.02.2023  
**(72)** HIRSCH, James; VALENTINE, Shaun; HALLECK, Brian  
**(74)** Yeong Boon Ooi

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2022341637	THREMEAR PRIVATE LIMITED	2022349024	PPG INDUSTRIES OHIO, INC.
		2022349158	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
		2022349445	COLGATE-PALMOLIVE COMPANY
		2022349620	THE JOHNS HOPKINS UNIVERSITY

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2022349627	SCRIBE THERAPEUTICS INC.	2022362732	HELMHOLTZ ZENTRUM MÜNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH); GOTTFRIED WILHELM LEIBNIZ UNIVERSITÄT HANNOVER
2022349635	HOLOGIC, INC.		
2022349684	SCRIBE THERAPEUTICS INC.	2022363635	ELIAZ, I.
2022349768	ASSA ABLOY ENTRANCE SYSTEMS AB	2022365419	DIAGEO GREAT BRITAIN LIMITED
2022349902	PATKAR, R.S.	2022366734	HUGHES, W.
2022350064	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED	2022367799	DSM IP ASSETS B.V.
2022350120	SHANGHAI MAIUS PHARMACEUTICAL CO. LTD.	2022368226	MANZEON CO., LTD.
2022350937	ASCENDIS PHARMA BONE DISEASES A/S	2022368652	HALLIBURTON ENERGY SERVICES, INC.
2022350943	HANGZHOU PHECDAMED CO., LTD.	2022369319	DAPHNE TECHNOLOGY SA
2022351151	COLGATE-PALMOLIVE COMPANY	2022370481	FLSMIDTH A/S
2022351193	BEIERSDORF AG	2022371540	F. HOFFMANN-LA ROCHE AG
2022351579	HYPERTUNNEL IP LIMITED	2022371871	SANHA GMBH & CO. KG
2022351835	COLGATE-PALMOLIVE COMPANY	2022373903	KLEIBERIT SE & CO. KG
2022352383	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED	2022374388	RESOLVE BIOSCIENCES GMBH
2022352485	LUMENT AB	2022374695	DR. FALK PHARMA GMBH
2022352559	BECTON, DICKINSON AND COMPANY	2022374942	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022352594	TIBURON SUBSEA INC.	2022375737	HALLIBURTON ENERGY SERVICES, INC.
2022352645	HELIPONIX, LLC	2022376919	GENENTECH, INC.
2022352658	BLACK DIAMOND THERAPEUTICS, INC.	2022377068	T.F.H. PUBLICATIONS, INC.
2022352799	SHANGHAI ARGO BIOPHARMACEUTICAL CO., LTD.	2022377264	HALLIBURTON ENERGY SERVICES, INC.
2022352844	IMMIX BIOPHARMA, INC.	2022377631	T.F.H. PUBLICATIONS, INC.
2022352989	BIOMIMETIK	2022378915	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022353058	VIFOR (INTERNATIONAL) AG	2022378926	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022353080	SNF GROUP	2022379620	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2022353159	LEAD DISCOVERY CENTER GMBH; QLI5 THERAPEUTICS GMBH		
2022353162	WONDERLAND SWITZERLAND AG	2022379923	THE PROCTER & GAMBLE COMPANY
2022353209	IDEEMATEC DEUTSCHLAND GMBH	2022394321	BECTON, DICKINSON AND COMPANY
2022353222	FISHER & PAYKEL HEALTHCARE LIMITED	2022396538	JENIVISION INC.
2022353968	APPLIED MEDICAL RESOURCES CORPORATION	2022397718	GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI
2022354174	JEFFERSON, T.	2022399773	TRUMA GERÄTE-TECHNIK GMBH & CO. KG
2022354178	PRELOAD CRYOGENICS, LLC	2022418939	NA VACCINE INSTITUTE
2022354180	BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA	2022425746	SEIKO EPSON CORPORATION
2022354188	C. R. BARD, INC.	2022426898	SEIKO EPSON CORPORATION
2022354299	BIOCON BIOLOGICS LIMITED	2022428928	LG ELECTRONICS INC.
2022354316	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	2022435524	ZTE CORPORATION
2022354365	DAIKIN INDUSTRIES, LTD.	2022437300	CLEAN PLANET INC.
2022354857	OWENS CORNING INTELLECTUAL CAPITAL, LLC	2022437935	ZTE CORPORATION
2022354862	BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA	2022439659	ALPHA CLEANTECH LABS INC.
2022356137	SOLYDERA SA	2022442015	XANTHO BIOTECHNOLOGY CO., LTD
2022356567	DAIKIN INDUSTRIES, LTD.	2023222912	KOREA ZINC CO., LTD.
2022356582	GC CORPORATION	2023240760	LG CHEM, LTD.
2022357033	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES; WUHAN INSTITUTE OF VIROLOGY, CHINESE ACADEMY OF SCIENCES; HAINAN SIMCERE PHARMACEUTICAL CO., LTD.	2023250757	VORONOI INC.
2022357161	SIEMENS AKTIENGESELLSCHAFT	2023251295	HITACHI, LTD.
2022357267	BORCHERS GMBH	2023263470	JINKO SOLAR (HAINING) CO., LTD.
2022357275	SIEMENS GAMESA RENEWABLE ENERGY A/S	2023270243	THE UNIVERSITY OF MELBOURNE
2022357568	NOBELL FOODS, INC.	2023270274	WHOO, INC.
2022358685	COLGATE-PALMOLIVE COMPANY	2023274159	EYEGENE INC.
2022358720	WAYNE FUELING SYSTEMS LLC		
2022358741	PRISM NEURO PTY LTD		
2022358788	OMACHRON INTELLECTUAL PROPERTY INC.		
2022359222	JOINT STOCK COMPANY "PHARMASYNTEZ"		
2022359405	HUAWEI TECHNOLOGIES CO., LTD.		
2022359898	REGENERON PHARMACEUTICALS, INC.		
2022359966	ALGORITHMIQ OY		
2022360863	INOLEX INVESTMENT CORPORATION		
2022360878	CHEVRON ORONITE COMPANY LLC; CHEVRON JAPAN LTD.; CHEVRON U.S.A. INC.		
2022360894	ENDORON MEDICAL LTD.		
2022361062	REGULUS THERAPEUTICS INC.		
2022361423	INTERDIGITAL PATENT HOLDINGS, INC.		
2022361659	EXINI DIAGNOSTICS AB		



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<b><u>A01B 33 /-</u></b>	<b><u>A23K 40 /-</u></b>	<b><u>A47C 7 /-</u></b>	2022349635	2022339056	2022336585
2021463624	2022324064 2022377068	2022348364	<b><u>A61B 8 /-</u></b>	2022341239	2022336665
<b><u>A01B 51 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A47J 37 /-</u></b>	2022349635	2022341311	2022337284
2022323503	2022324064 2022377068	2022339684	<b><u>A61B 90 /-</u></b>	2022342091	2022337351
<b><u>A01B 71 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A47K 1 /-</u></b>	2022327862	2022342749	2022338208
2022348791	2022365419	2022321996 2022439659	2022344109	2022343476	2022338463
<b><u>A01B 79 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A47K 3 /-</u></b>	<b><u>A61F 13 /-</u></b>	2022344134	2022341116
2022323503	2022365419	2022439659	2022324055 2022341637	2022344499	<b><u>A61K 41 /-</u></b>
<b><u>A01G 31 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A47K 7 /-</u></b>	<b><u>A61F 15 /-</u></b>	2022345465	2022338349
2022352645	2022365419	2022439659	2022324055 2022341637	2022345881	<b><u>A61K 45 /-</u></b>
<b><u>A01G 9 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A47L 13 /-</u></b>	<b><u>A61F 2 /-</u></b>	2022346020	2022352844
2022352645	2022365419	2022329942	2022324055	2022350943	<b><u>A61K 47 /-</u></b>
<b><u>A01H 1 /-</u></b>	<b><u>A24F 40 /-</u></b>	<b><u>A47L 9 /-</u></b>	<b><u>A61G 3 /-</u></b>	2022352658	2022323344
2022331230	2022343925	2022335986 2022358788	2022336840	2022352799	2022323381
<b><u>A01K 1 /-</u></b>	<b><u>A41D 11 /-</u></b>	<b><u>A61B 10 /-</u></b>	<b><u>A61G 5 /-</u></b>	2022352844	2022323657
2022331189 2022344035	2022354174	2022343534 2023270274	2022348364	2022353058	2022325488
<b><u>A01K 27 /-</u></b>	<b><u>A41D 13 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61H 19 /-</u></b>	2022353159	2022326252
2022321043	2022354174	2022323511 2022327862	2021466981	2022357033	2022327025
<b><u>A01N 1 /-</u></b>	<b><u>A41D 19 /-</u></b>	2022327862 2022330712	<b><u>A61J 1 /-</u></b>	2022359222	2022328761
2022326540 2022334925	2022323537	2022333142 2022341186	2022354188	2022361062	2022329224
<b><u>A01N 25 /-</u></b>	<b><u>A42B 3 /-</u></b>	2022344590 2022360894	<b><u>A61J 17 /-</u></b>	2022371540	2022331110
2022346439	2022340616	<b><u>A61B 3 /-</u></b>	2022336840	2022374695	2022335916
<b><u>A01N 63 /-</u></b>	<b><u>A45D 19 /-</u></b>	<b><u>A61B 34 /-</u></b>	<b><u>A61K 3 /-</u></b>	2022378926	2022335933
2022342359 2022346439	2022321996	2022358741	2022341144	2022396538	2022338254
<b><u>A01P 7 /-</u></b>	<b><u>A45D 40 /-</u></b>	<b><u>A61B 5 /-</u></b>	<b><u>A61K 35 /-</u></b>	2022418939	2022338463
2022346439	2022322882	2021467791 2022325742	2022317972	20223250757	2022340804
<b><u>A23B 4 /-</u></b>	<b><u>A46B 15 /-</u></b>	2022326479 2022335166	2022325488	<b><u>A61K 33 /-</u></b>	2022341116
2022339684	2022351835	2022337136 2022344109	2022325816	2022341144	2022350937
<b><u>A23G 3 /-</u></b>	<b><u>A46B 5 /-</u></b>	2022358741 2023270274	2022328259	<b><u>A61K 35 /-</u></b>	2022374159
2022358685	2022377631	<b><u>A61B 3 /-</u></b>	2022328259	2022317972	<b><u>A61K 48 /-</u></b>
<b><u>A23K 10 /-</u></b>	<b><u>A46B 9 /-</u></b>	<b><u>A61B 5 /-</u></b>	2022336150	2022325488	2022322957
2022324064	2022377631	2021466981	2022341119	2022325816	2022342997
<b><u>A23K 20 /-</u></b>	<b><u>A47C 27 /-</u></b>	<b><u>A61B 50 /-</u></b>	2022343108	2022328259	2022349620
2022324064 2022377068	2022323384	2022327025 2022327025	2022343729	2022328259	2022379620
		2022327025 2022327398	2022348500	2022328259	2022418939
		2022328181 2022328761	2022348587	<b><u>A61K 36 /-</u></b>	<b><u>A61K 49 /-</u></b>
		2022329224 2022329230	<b><u>A61K 33 /-</u></b>	2022323657	2022336665
		2022330892 2022336557	<b><u>A61K 35 /-</u></b>	2022442015	2022352485
		2022336665	<b><u>A61K 38 /-</u></b>	<b><u>A61K 36 /-</u></b>	<b><u>A61K 51 /-</u></b>
			2022332971	20223323657	2022336665
				2022442015	2022352485
				<b><u>A61K 38 /-</u></b>	<b><u>A61K 51 /-</u></b>
				2022331110	2022336665
				2022337199	2022338254
				2022338463	<b><u>A61K 6 /-</u></b>
				2022343102	2022356582
				2022347379	<b><u>A61K 8 /-</u></b>
				2022349620	2022322882
				2022350937	2022325488
				2022376919	2022328142
				2022379620	2022349445
				<b><u>A61K 39 /-</u></b>	2022351151
				2021462394	2022351193
				2021462438	2022358685
				2022321056	2022379923
				2022322270	
				2022323324	
				2022326849	
				2022328259	
				2022332971	

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<b><u>A61K 9/-</u></b>	2022353058 2022361062 2022374695	<b><u>A61P 35/-</u></b>		<b><u>B01J 10/-</u></b>	<b><u>B25F 5/-</u></b>
2022323381		2021398704	<b><u>A61Q 17/-</u></b>	2022336758	2022327862
2022323657		2022325360	2022351193		
2022325488	<b><u>A61P 17/-</u></b>	2022327025		<b><u>B01J 20/-</u></b>	<b><u>B25J 15/-</u></b>
2022326252		2022328625	<b><u>A61Q 19/-</u></b>	2022346926	2022322085
2022328761	2021462394	2022330106	2022322882		
2022329224	2021462438	2022330892	2022325488	<b><u>B01J 35/-</u></b>	<b><u>B25J 19/-</u></b>
2022338349	2022323492	2022332499	2022351193	2022336758	2022322085
2022342749	2022326849	2022332971	2022360863		
2022352844	2022336150	2022336557	<b><u>A62B 9/-</u></b>	<b><u>B01L 3/-</u></b>	<b><u>B29C 33/-</u></b>
2022374695	2022341239	2022336665	2022332340	2022321727	2021466981
2022376919	2022442015	2022338208			2022345527
2022396538	<b><u>A61P 19/-</u></b>	2022338463		<b><u>B01L 7/-</u></b>	<b><u>B29C 37/-</u></b>
2023274159		2022340804		2021467419	2022345527
	2021398704	2022341239	<b><u>A63B 24/-</u></b>		
<b><u>A61L 15/-</u></b>	2021462438	2022342997	2022335166	<b><u>B05B 1/-</u></b>	<b><u>B29C 44/-</u></b>
2022341637	2022341239	2022348587		2022347173	2022342066
2022346964		2022350120	<b><u>A63B 71/-</u></b>	<b><u>B05B 15/-</u></b>	<b><u>B29C 45/-</u></b>
	<b><u>A61P 25/-</u></b>	2022352658	2022323537	2022347173	2022347103
<b><u>A61L 2/-</u></b>		2022352844			
2022323989	2021462438	2022353159	<b><u>B01D 1/-</u></b>	<b><u>B05B 3/-</u></b>	<b><u>B29C 63/-</u></b>
	2022323381	2022371540	2021467419	2022347173	2022347103
	2022327025	2023250757	2022368226		
<b><u>A61M 1/-</u></b>	2022327398	<b><u>A61P 37/-</u></b>	<b><u>B01D 11/-</u></b>	<b><u>B05B 7/-</u></b>	<b><u>B29C 64/-</u></b>
2022363635	2022337284	2021398704	2022335176	2022323989	2021466981
	2022339056	2021462394	<b><u>B01D 15/-</u></b>	<b><u>B06B 1/-</u></b>	2022330093
<b><u>A61M 16/-</u></b>	2022341239	2021462438	2022325485	2022349158	2022349024
2022327142	2022345465	2021462438	<b><u>B01D 46/-</u></b>	2022350064	<b><u>B29C 70/-</u></b>
2022332340	2022353058	2022323492	2022323836	2022352383	2022342066
2022353222	2022379620	2022326849	2022324756	2022370481	2022345527
	2022396538	2022336665	<b><u>B01D 5/-</u></b>	<b><u>B07B 1/-</u></b>	<b><u>B33Y 10/-</u></b>
<b><u>A61M 25/-</u></b>	<b><u>A61P 27/-</u></b>	2022337284	2022368226	2022370481	2022330093
2022332340		2022341239	<b><u>B01D 53/-</u></b>	<b><u>B08B 3/-</u></b>	2022349024
2022354188	2021462394	2022341311	2022369319	2022330899	<b><u>B33Y 30/-</u></b>
2022360894	2021462438	2022342091	<b><u>B01D 71/-</u></b>	<b><u>B08B 9/-</u></b>	2022349024
	2022322957	2022343476	2022335916	2022330899	<b><u>B33Y 40/-</u></b>
<b><u>A61M 39/-</u></b>	2022323657	2022347379	<b><u>B01F 23/-</u></b>	<b><u>B22C 9/-</u></b>	2022330093
2022341916	2022329224	2022347379	2022352485	2022326786	<b><u>B33Y 50/-</u></b>
	2022341239	2022374695	<b><u>B01D 71/-</u></b>	<b><u>B22D 35/-</u></b>	2021466981
<b><u>A61M 5/-</u></b>	<b><u>A61P 29/-</u></b>	<b><u>A61P 43/-</u></b>	2022335916	2022326786	2022349024
2022347379		2022323492	<b><u>B01F 27/-</u></b>	<b><u>B22D 41/-</u></b>	<b><u>B33Y 70/-</u></b>
2022354180	2021462438	2022328390	2022352485	2022326786	2022349024
2022354862	2022323492	<b><u>A61P 5/-</u></b>	<b><u>B01F 31/-</u></b>	<b><u>B22F 1/-</u></b>	2022425746
	2022343476	2022341239	2022335916	2022338349	2022426898
<b><u>A61N 1/-</u></b>	<b><u>A61P 3/-</u></b>	2022350937	<b><u>B01F 33/-</u></b>	<b><u>B23D 57/-</u></b>	<b><u>B60K 35/-</u></b>
2022341144		<b><u>A61P 7/-</u></b>	2022352485	2022344590	2022348791
	2022328390	2022331110	<b><u>B01F 35/-</u></b>		
<b><u>A61P 1/-</u></b>	2022346020	2022341239			
2021462394	2022352799	2022353058	<b><u>B01F 27/-</u></b>		
2021462438	2022442015	<b><u>A61P 9/-</u></b>	2022352485		
2022323492	<b><u>A61P 31/-</u></b>	2022325237	<b><u>B01F 31/-</u></b>		
2022328390		2022341239	2022352485		
2022349445	2022321056	2022325488	<b><u>B01F 33/-</u></b>		
2022374695	2022322270	2022336150	2022352485		
	2022325488	2022341116	<b><u>B01F 35/-</u></b>		
<b><u>A61P 11/-</u></b>	2022336150	2022341239			
2021462394	2022341116	2022350943	<b><u>B22D 35/-</u></b>		
2021462438	2022341239	2022418939	2022326786		
2022343476	2022350943	<b><u>A61Q 11/-</u></b>	<b><u>B22D 41/-</u></b>		
	2022357033	2022349445	<b><u>B22F 1/-</u></b>		
<b><u>A61P 13/-</u></b>	2022359222	2022351151	2022338349		
2022329230	<b><u>A61P 33/-</u></b>	2022358685			
2022336665		2022379923	<b><u>B23D 57/-</u></b>		
	2022344499	<b><u>A61Q 13/-</u></b>			
		2022328142			

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2021463295	2022345527		2022357033 2022359222	2022344499 20223250757	2022362732
<b><u>B60N 2 /-</u></b>	<b><u>B63C 11 /-</u></b>	<b><u>C01F 11 /-</u></b>	<b><u>C07D 309 /-</u></b>	<b><u>C07D 519 /-</u></b>	<b><u>C08G 18 /-</u></b>
2022353162	2022352594	2022323272	2022357033	2022341239	2022341726
<b><u>B60P 1 /-</u></b>	<b><u>B63G 8 /-</u></b>	<b><u>C01G 45 /-</u></b>	<b><u>C07D 335 /-</u></b>	<b><u>C07F 9 /-</u></b>	<b><u>C08G 63 /-</u></b>
2022336840	2022352594	2023222912	2022357033	2022359222	2022323589
<b><u>B60R 1 /-</u></b>	<b><u>B64C 29 /-</u></b>	<b><u>C01G 49 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07H 17 /-</u></b>	<b><u>C08J 5 /-</u></b>
2022336119	2022343034	2022338349	2022327398 2022329230 2022341239 2022341311 2022344134 20223250757	2022343476	2022341726
<b><u>B60R 5 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 403 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08J 9 /-</u></b>
2022321041	2022343034	2022368226	2022327398 2022329230 2022336557 2022341311 2022342091 2022346020 2022352658 2022357033 2022371540	2022374388	2022341726 2022354857
<b><u>B60W 60 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C08K 3 /-</u></b>	<b><u>C08K 3 /-</u></b>
2022333654	2022343098	2022368226	2022335916 2022346842 2022354299	2022341726	
<b><u>B61B 1 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>C05G 3 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C08K 5 /-</u></b>
2022334304	2022343098	2023270243	2022317972 2022321056 2022322270 2022328259 2022337284 2022337351 2022341116 2022342359 2022342997 2022343102 2022343108 2022348587 2022349620 2022354299 2022357568	2022341726 2023240760	
<b><u>B61B 13 /-</u></b>	<b><u>B65D 85 /-</u></b>	<b><u>C07C 255 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C08K 7 /-</u></b>	<b><u>C08K 7 /-</u></b>
2022334304	2022374942 2022378915	2022359222	2022344499 2022346020	2022341726	
<b><u>B61B 15 /-</u></b>	<b><u>B65G 27 /-</u></b>	<b><u>C07C 67 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C08L 101 /-</u></b>	<b><u>C08L 101 /-</u></b>
2022334304	2022350064 2022352383	2022360863	202234499 2022346020	2022373903	
<b><u>B61D 47 /-</u></b>	<b><u>B67D 7 /-</u></b>	<b><u>C07C 69 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C08L 25 /-</u></b>	<b><u>C08L 25 /-</u></b>
2022334304	2022343098	2022360863	2022344499	2022354857	
<b><u>B61L 23 /-</u></b>	<b><u>B82B 3 /-</u></b>	<b><u>C07D 207 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C08L 5 /-</u></b>	<b><u>C08L 5 /-</u></b>
2023251295	2022338349	2022324607 2022357033	2022327398 2022342091 2022344499 2022353058	2022346964 2022362732	
<b><u>B62D 21 /-</u></b>	<b><u>B82Y 15 /-</u></b>	<b><u>C07D 209 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C08L 67 /-</u></b>	<b><u>C08L 67 /-</u></b>
2022336840	2022341187	2022359222	2022339056 2022341311 2022342091	2023240760	
<b><u>B62D 24 /-</u></b>	<b><u>B82Y 25 /-</u></b>	<b><u>C07D 211 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C08L 75 /-</u></b>	<b><u>C08L 75 /-</u></b>
2022336840	2022338349	2022342091	2022339056 2022341311 2022342091	2022341726	
<b><u>B62D 33 /-</u></b>	<b><u>B82Y 30 /-</u></b>	<b><u>C07D 215 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C09C 1 /-</u></b>	<b><u>C09C 1 /-</u></b>
2022321041	2022338349 2022341144	2022341311	2022341239 2022341311 2022342091 2023250757	2022322875 2022323091 2022323092	
<b><u>B62D 63 /-</u></b>	<b><u>B82Y 5 /-</u></b>	<b><u>C07D 235 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C09D 167 /-</u></b>	<b><u>C09D 167 /-</u></b>
2022336840	2022341144 2022376919	2022359222	2022341239 2022341311 2022342091 2023250757	2022357267	
<b><u>B62J 6 /-</u></b>	<b><u>C01B 11 /-</u></b>	<b><u>C07D 239 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C09D 7 /-</u></b>	<b><u>C09D 7 /-</u></b>
2020399804	2022354316	2023250757	2021398704 2022327025 2022350120	2022357267	
<b><u>B63B 21 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C07D 271 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C09F 9 /-</u></b>	<b><u>C09F 9 /-</u></b>
2022346617	2022336758	2022338254	2022330892 2022342091 2022353159	2022357267	
<b><u>B63B 5 /-</u></b>	<b><u>C01B 32 /-</u></b>	<b><u>C07D 273 /-</u></b>	<b><u>C07D 305 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C07K 7 /-</u></b>
2022345527	2022336758	2022353159	2022330892 2022342091 2022353159	2022338463	
<b><u>B63B 59 /-</u></b>		<b><u>C07D 305 /-</u></b>			
2022330899	2022322875 2022323091	2022350943			

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

<b><u>C09J 171 /-</u></b>	2022343725 2022343729 2022343905 2022345874	<b><u>C23C 14 /-</u></b>	2022344393	<b><u>E02D 29 /-</u></b>	2022345187	<b><u>E05B 47 /-</u></b>	2022328321	<b><u>F03D 1 /-</u></b>	2022357275
2022373903	2022345881 2022346143 2022346439 2022349620	<b><u>C23F 11 /-</u></b>	2022323589	<b><u>E02D 3 /-</u></b>	2022339936	<b><u>E05B 65 /-</u></b>	2022328321	<b><u>F03D 80 /-</u></b>	2022357275
<b><u>C09J 201 /-</u></b>	2022349627 2022349684 2022352799 2022357568	<b><u>C25B 1 /-</u></b>	2022354316 2022356137	<b><u>E02D 5 /-</u></b>	2022339936 2022346617	<b><u>E05C 19 /-</u></b>	2022328321	<b><u>F03G 7 /-</u></b>	2022323272
2022373903	2022361062 2022376919	<b><u>C25B 15 /-</u></b>		<b><u>E03B 3 /-</u></b>		<b><u>E05F 15 /-</u></b>	2022349768	<b><u>F04B 53 /-</u></b>	2022330488
<b><u>C09J 4 /-</u></b>			2022356137		2022344215	<b><u>E06B 11 /-</u></b>		<b><u>F04C 18 /-</u></b>	2022325410
2022324607	<b><u>C12N 5 /-</u></b>	<b><u>C25B 9 /-</u></b>		<b><u>E03C 1 /-</u></b>	2022321996	<b><u>E21B 17 /-</u></b>	2022342178	<b><u>F04C 29 /-</u></b>	2022325410
<b><u>C09J 5 /-</u></b>	2022325816 2022328259 2022341119 2022343108		2022356137	<b><u>E03F 5 /-</u></b>		<b><u>E21B 21 /-</u></b>	2022375737	<b><u>F04D 13 /-</u></b>	2022329436 2022330488 2022330642
2022336227	2022343729 2022348500 2022349620	<b><u>C12N 7 /-</u></b>			2022344215	<b><u>E21B 23 /-</u></b>			
<b><u>C09K 23 /-</u></b>		<b><u>D04H 1 /-</u></b>	2022329942	<b><u>E04B 1 /-</u></b>			2022346236	<b><u>F04D 7 /-</u></b>	
2022360863		<b><u>D04H 13 /-</u></b>			2022336227 2022345187	<b><u>E21B 33 /-</u></b>	2022375737		
<b><u>C09K 8 /-</u></b>		<b><u>D06F 33 /-</u></b>	2022332309	<b><u>E04B 2 /-</u></b>				<b><u>F04D 7 /-</u></b>	2022329436
2022323272					2022345187	<b><u>E21B 36 /-</u></b>		<b><u>F16C 33 /-</u></b>	2022370481
2022323589	<b><u>C12N 9 /-</u></b>	<b><u>D06F 34 /-</u></b>		<b><u>E04B 9 /-</u></b>			2022323272 2022366734 2022368652 2022377264	<b><u>F16C 35 /-</u></b>	2022370481
2022377264	2022321056 2022322270 2022336150	<b><u>D06F 39 /-</u></b>	2022332309	<b><u>E04C 1 /-</u></b>		<b><u>E21B 37 /-</u></b>			
<b><u>C10B 53 /-</u></b>		<b><u>D06F 58 /-</u></b>		<b><u>E04C 2 /-</u></b>	2022345187	<b><u>E21B 47 /-</u></b>	2022323272	<b><u>F16F 1 /-</u></b>	2022341186
2022322875			2022332309	<b><u>E04F 13 /-</u></b>				<b><u>F16H 57 /-</u></b>	2022350064 2022352383
2022323091	<b><u>C12P 19 /-</u></b>	<b><u>D21H 11 /-</u></b>			2022354178	<b><u>E21B 7 /-</u></b>	2022331254		
2022323092	2022325958 2022336150 2022339843 2022343108	<b><u>D21H 21 /-</u></b>	2022353080	<b><u>E04F 15 /-</u></b>				<b><u>F16L 13 /-</u></b>	2022371871
<b><u>C10G 75 /-</u></b>					2022343906	<b><u>E21C 35 /-</u></b>	2022366734	<b><u>F16L 55 /-</u></b>	2022347103 2022351579
2022323589	2022346143 2022349627 2023270243	<b><u>D21H 21 /-</u></b>	2022353080	<b><u>E04H 3 /-</u></b>			2022366734		
<b><u>C10L 1 /-</u></b>		<b><u>D21H 11 /-</u></b>			2022343906	<b><u>E21C 41 /-</u></b>		<b><u>F16N 7 /-</u></b>	2022352383
2022360878			2022332309	<b><u>E04H 7 /-</u></b>			2022333654	<b><u>F16N 7 /-</u></b>	2022352383
<b><u>C10L 10 /-</u></b>		<b><u>D06F 58 /-</u></b>			2022345187	<b><u>F02D 33 /-</u></b>	2022333654		
2022360878	<b><u>C12P 19 /-</u></b>		2022332311	<b><u>E04H 9 /-</u></b>		<b><u>F02D 41 /-</u></b>	2022333654	<b><u>F17C 13 /-</u></b>	2022329436 2022330642
<b><u>C10N 30 /-</u></b>		<b><u>D21H 11 /-</u></b>			2022354178		2022331254		
2022323589	2022323324 2022342359		2022353080	<b><u>E05B 19 /-</u></b>		<b><u>F02M 35 /-</u></b>	2022331254		
<b><u>C11D 3 /-</u></b>		<b><u>D21H 21 /-</u></b>			2022343906			<b><u>F17C 3 /-</u></b>	2022334925 2022354178
2022368226	<b><u>C12P 21 /-</u></b>			<b><u>E04H 3 /-</u></b>			2022366734		
<b><u>C12N 1 /-</u></b>		<b><u>D21H 11 /-</u></b>	2022353080		2022343906	<b><u>F02M 37 /-</u></b>			
2022354299	2021463390 2021480874 2022336150 2022340811	<b><u>E01B 3 /-</u></b>		<b><u>E04H 7 /-</u></b>			2022333654		
2023270243	2022341113 2022345874 2022346271 2022374388		2022341726		2021462861		2022333654	<b><u>F16L 13 /-</u></b>	2022371871
<b><u>C12N 15 /-</u></b>		<b><u>E01B 7 /-</u></b>		<b><u>E04H 9 /-</u></b>		<b><u>F02D 33 /-</u></b>	2022333654	<b><u>F16L 55 /-</u></b>	2022347103 2022351579
2021462394			2021464405		2022354178		2022334958		
2021462438	<b><u>C12R 1 /-</u></b>	<b><u>E01F 15 /-</u></b>		<b><u>E04H 9 /-</u></b>		<b><u>F02D 41 /-</u></b>		<b><u>F16N 7 /-</u></b>	2022352383
2022317972			2022342066		2022326509		2022334958		
2022322270		<b><u>E01F 9 /-</u></b>		<b><u>E05B 19 /-</u></b>		<b><u>F02M 35 /-</u></b>	2022357161		
2022322957	<b><u>C22B 15 /-</u></b>		2022346617		2022345413			<b><u>F17C 13 /-</u></b>	2022329436 2022330642
2022322957		<b><u>E02B 9 /-</u></b>			2022328321		2022324756		
2022325958	2023270243			<b><u>E05B 41 /-</u></b>				<b><u>F17C 3 /-</u></b>	2022334925 2022354178
2022328259			2022321045				2022334958		
2022331230									
2022336585	<b><u>C22B 3 /-</u></b>								
2022337199									
2022338463									
2022339843	2022335176 2022354316								
2022340804									
2022341119									
2022342997									
2022343108	2022335176 2022354316								

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<b>F17C 5 /-</b>	<b>F24V 30 /-</b>	<b>G01H 13 /-</b>	<b>G03F 1 /-</b>	2022337018 2023251295	2022346271
2022334925 2022337018	2022437300	2022324586	2022344393		<b>G16B 25 /-</b>
<b>F24B 13 /-</b>	<b>F25D 17 /-</b>	<b>G01N 1 /-</b>	<b>G03F 7 /-</b>	<b>G06T 7 /-</b>	2022340811
2022339684	2021473668	2021467419 2022335916 2022343612	2022344393	2022336119 2022339355 2022340659 2022342172 2022346951 2022361659	<b>G16B 30 /-</b>
<b>F24B 5 /-</b>	<b>F25D 23 /-</b>	<b>G01N 15 /-</b>	<b>G05B 23 /-</b>		2022346271
2022339684	2021473668		2022339797 2023251295		<b>G16B 40 /-</b>
<b>F24C 15 /-</b>	<b>F28D 20 /-</b>	2022346951 2022394321	<b>G05D 1 /-</b>	<b>G06V 10 /-</b>	2022327751
2022339684	2022399773 2022437300	<b>G01N 21 /-</b>	2022343034	2022339355	<b>G16H 20 /-</b>
<b>F24F 1 /-</b>	<b>F28D 7 /-</b>	2022330899 2022341637 2022342826	<b>G05D 23 /-</b>	<b>G06V 20 /-</b>	2022327751 2022354180 2023270274
2022335810 2022354365 2022356567	2022437300	<b>G01N 27 /-</b>	2022335169	2022342178	<b>G16H 30 /-</b>
<b>F24F 11 /-</b>	<b>F41C 23 /-</b>	2022349902 2022357161 2022359898	<b>G05D 7 /-</b>	<b>G07C 9 /-</b>	2022324627
2022335169	2022332227	<b>G01N 29 /-</b>	2022346951	2022342178	<b>G16H 40 /-</b>
<b>F24F 110 /-</b>	<b>F41H 5 /-</b>	2022331254	<b>G06F 11 /-</b>	<b>G07F 15 /-</b>	2022354180 2023270274
2022335169	2021464743	<b>G01N 30 /-</b>	2022428928	2022358720	<b>G16H 50 /-</b>
<b>F24F 13 /-</b>	<b>F41H 7 /-</b>	2021464743	<b>G06F 16 /-</b>	<b>G07F 9 /-</b>	2022358720
2022354365 2022356567	2022339077	<b>G01N 31 /-</b>	2021467883 2021468289 2021469297	<b>G08B 17 /-</b>	2022324627 2022335166 2022340811 2023270274
<b>F24F 7 /-</b>	<b>F42D 1 /-</b>	<b>G01N 33 /-</b>	<b>G06F 3 /-</b>	<b>G08B 21 /-</b>	<b>G16Y 30 /-</b>
2022326509 2022335169 2022354365 2022356567	2022341028	2022359898	2022338752	2022326845 2022335166	2022336869
<b>F24F 8 /-</b>	<b>G01B 9 /-</b>	<b>G01N 33 /-</b>	<b>G06F 8 /-</b>	<b>G08G 5 /-</b>	<b>G21F 5 /-</b>
2022335810	2022341028	2022334958 2022340811 2022341187 2022341637 2022342997 2022343102 2022343290 2022343534 2022343612 2022346032 2022346926 2022349902 2022357161 2022367799	<b>G06F 9 /-</b>	2022343034	2022343180
<b>F24H 1 /-</b>	<b>G01C 22 /-</b>	<b>G01N 33 /-</b>	<b>G06F 9 /-</b>	<b>G09B 23 /-</b>	<b>G21G 4 /-</b>
2022399773	2022335166	<b>G01N 33 /-</b>	2022343469 2022428928	2022353968	2022343180
<b>F24H 9 /-</b>	<b>G01D 18 /-</b>	<b>G01N 33 /-</b>	<b>G06N 10 /-</b>	<b>G10K 15 /-</b>	<b>H01F 1 /-</b>
2022399773	2021470494	<b>G01N 33 /-</b>	2022322054 2022342364 2022359966	2022324633	2022338349
<b>F24S 20 /-</b>	<b>G01D 5 /-</b>	<b>G01N 33 /-</b>	<b>G06N 20 /-</b>	<b>G11C 11 /-</b>	<b>H01H 9 /-</b>
2021461421	2021470494 2022345527	<b>G01N 33 /-</b>	2022327751	2022322054	2022327591
<b>F24S 25 /-</b>	<b>G01F 1 /-</b>	<b>G01P 13 /-</b>	<b>G06Q 10 /-</b>	<b>G11C 27 /-</b>	<b>H01J 49 /-</b>
2022353209	2022321855 2022346951	2022335166	2021463089 2022323523 2022329483 2022337018 2023251295	2022322054	2022352559
<b>F24S 30 /-</b>	<b>G01F 15 /-</b>	<b>G01P 15 /-</b>	<b>G06Q 30 /-</b>	<b>G11C 29 /-</b>	<b>H01L 31 /-</b>
2022353209	2022321855	2022335166		2022322054	2022241686 2022324515 2023263470
<b>F24S 70 /-</b>	<b>G01F 23 /-</b>	<b>G01S 13 /-</b>		<b>G11C 5 /-</b>	<b>H01M 8 /-</b>
2021461421	2022321855	2022346813	2020399804 2022337018 2022343471	2022322054	2021272137
<b>F24T 10 /-</b>	<b>G01G 21 /-</b>	<b>G02F 1 /-</b>	<b>G06Q 50 /-</b>	<b>G16B 15 /-</b>	<b>H02J 3 /-</b>
2022331631 2022366734	2022336928	2022341028	2021463089	2022346842	2021469672 2022397718
				<b>G16B 20 /-</b>	
				2022327751	

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<b><u>H02K 5 /-</u></b>	<b><u>H04R 9 /-</u></b>
2022349158	2022287198
2022350064	
2022352383	<b><u>H04S 7 /-</u></b>
<b><u>H02K 7 /-</u></b>	2022324633
2022350064	<b><u>H04W 12 /-</u></b>
2022352383	2022325394
<b><u>H02K 9 /-</u></b>	<b><u>H04W 16 /-</u></b>
2022349158	2022435524
2022350064	<b><u>H04W 28 /-</u></b>
2022352383	2021480748
<b><u>H02S 20 /-</u></b>	<b><u>H04W 4 /-</u></b>
2022353209	2022335166
<b><u>H03F 1 /-</u></b>	2022359405
2022352559	<b><u>H04W 48 /-</u></b>
<b><u>H03F 3 /-</u></b>	2021460868
2022352559	2022361423
<b><u>H04B 10 /-</u></b>	<b><u>H04W 56 /-</u></b>
2022341028	2021467047
<b><u>H04B 7 /-</u></b>	<b><u>H04W 64 /-</u></b>
2022323653	2022329483
<b><u>H04J 13 /-</u></b>	<b><u>H04W 68 /-</u></b>
2022341028	2022323470
<b><u>H04L 12 /-</u></b>	<b><u>H04W 72 /-</u></b>
2022428928	2022437935
<b><u>H04L 27 /-</u></b>	<b><u>H04W 74 /-</u></b>
2022341028	2022435524
<b><u>H04L 67 /-</u></b>	<b><u>H04W 76 /-</u></b>
2022336869	2022361423
2022428928	<b><u>H04W 88 /-</u></b>
<b><u>H04L 9 /-</u></b>	2022435524
2022336869	<b><u>H05K 7 /-</u></b>
<b><u>H04N 21 /-</u></b>	2022349158
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*A61J 7/00* ( 2006.01 )  
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 ing signal portions of dose response  
 curve to measure analytes, including  
 analytes at high concentration  
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 method therefor  
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**C12N 15/11** ( 2006.01 )  
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**A01H 5/00** ( 2018.01 )  
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 SWITCHING DISPLAY INTERFACE,  
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 and method for manufacturing the  
 voltage source  
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**H01M 6/18** ( 2006.01 )  
**H01M 10/04** ( 2006.01 )  
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**A61P 9/00** ( 2006.01 )  
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**C12P 19/00** ( 2006.01 )  
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**B29C 70/30** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(51)** Int. Cl.  
*B62D 55/21* ( 2006.01 )  
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**(54)** COMBUSTION GAS LEAK DETECTION STRATEGY  
**(51)** Int. Cl.  
*F01P 11/16* ( 2006.01 )  
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**A61B 18/00** ( 2006.01 )  
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 A01D 34/00 (2006.01)  
 A01D 34/58 (2006.01)  
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 A01D 69/00 (2006.01)  
 A01D 69/06 (2006.01)

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 C12N 9/88 (2006.01)  
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 C07D 401/10 (2006.01)  
 A61K 31/4427 (2006.01)  
 A61P 3/10 (2006.01)  
 C07D 401/14 (2006.01)  
 C07D 403/06 (2006.01)  
 C07D 403/10 (2006.01)  
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 C07D 417/10 (2006.01)  
 C07D 417/14 (2006.01)  
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 C07D 267/16 (2006.01)  
 C07C 43/162 (2006.01)  
 C07C 381/10 (2006.01)  
 C07D 513/08 (2006.01)  
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**B09B 3/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**F21V 21/084** ( 2006.01 )  
**A42B 1/24** ( 2021.01 )  
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**A61K 31/27** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
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**A61K 31/551** ( 2006.01 )  
**A61K 31/5513** ( 2006.01 )  
**A61K 31/5517** ( 2006.01 )  
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**A47L 15/44** ( 2006.01 )  
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*H04W 4/029* ( 2018.01 )  
*F42D 5/045* ( 2006.01 )  
*H02S 20/30* ( 2014.01 )  
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*B05B 15/70* ( 2018.01 )  
*C03B 40/027* ( 2006.01 )  
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*A47L 7/00* ( 2006.01 )  
*A47L 9/00* ( 2006.01 )  
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*B01D 46/00* ( 2006.01 )  
*B01D 46/42* ( 2006.01 )  
*F16K 7/12* ( 2006.01 )  
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 (54) Fastener-driving tool with one or more combustion chambers and an exhaust gas recirculation system  
 (51) Int. Cl.  
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 (54) Lifting and jacking apparatus  
 (51) Int. Cl.  
*E04G 21/14* ( 2006.01 )  
*B66C 1/66* ( 2006.01 )  
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 (51) Int. Cl.  
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*A61K 31/428* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
*C07D 207/48* ( 2006.01 )  
*C07D 401/08* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 403/04* ( 2006.01 )  
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 (51) Int. Cl.

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*A61Q 5/12* ( 2006.01 )  
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*C12N 9/88* ( 2006.01 )  
*C12P 7/06* ( 2006.01 )  
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**(51)** Int. Cl.  
**H04N 19/70** ( 2014.01 )  
**H04N 19/103** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
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**(54)** Image encoding/decoding method and apparatus for performing prediction on basis of reconfigured prediction mode type of leaf node, and bitstream transmission method  
**(51)** Int. Cl.  
**H04N 19/157** ( 2014.01 )  
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**H04N 19/573** ( 2014.01 )  
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**(51)** Int. Cl.  
**F25D 29/00** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**F25D 23/12** ( 2006.01 )  
**B01D 46/00** ( 2022.01 )  
**F24F 1/02** ( 2019.01 )  
**F24F 3/16** ( 2021.01 )  
**F24F 13/20** ( 2006.01 )  
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**A61P 27/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**H04M 3/436** ( 2006.01 )  
**H04M 3/42** ( 2006.01 )  
**H04M 3/54** ( 2006.01 )  
**H04M 7/00** ( 2006.01 )  
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**(54)** Flexible tubular structure  
**(51)** Int. Cl.  
**F16L 9/14** ( 2006.01 )  
**B29D 23/00** ( 2006.01 )  
**B32B 1/08** ( 2006.01 )  
**B32B 7/04** ( 2006.01 )  
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**(54)** CONVEYOR SKIRTING SYSTEM  
**(51)** Int. Cl.  
**B65G 21/20** ( 2006.01 )  
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     **A61L 27/50** ( 2006.01 )  
     **A61L 27/56** ( 2006.01 )  
     **C08J 9/16** ( 2006.01 )  
     **C08J 9/18** ( 2006.01 )  
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 (21) 2021323079

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 (21) 2021323079

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 (51) Int. Cl.  
     **A01G 7/00** ( 2006.01 )  
     **A01H 6/20** ( 2018.01 )  
     **A23K 10/30** ( 2016.01 )  
     **B01D 53/62** ( 2006.01 )  
     **B01D 53/84** ( 2006.01 )  
     **C05F 3/00** ( 2006.01 )  
     **C10G 3/00** ( 2006.01 )  
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     **A47F 1/04** ( 2006.01 )  
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 (44) 21.03.2024  
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     **A01C 19/04** ( 2006.01 )  
     **B05B 1/26** ( 2006.01 )  
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 (51) Int. Cl.  
     **E04H 17/14** ( 2006.01 )  
     **F16B 7/04** ( 2006.01 )  
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 (44) 21.03.2024  
 (72) Ovenden, Ronald  
 (74) Ronald George Ovenden

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 (54) Determining the location of a mobile device  
 (51) Int. Cl.  
     **G01C 21/16** ( 2006.01 )  
     **G01C 21/20** ( 2006.01 )  
     **G01C 22/00** ( 2006.01 )  
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 (31) 1804079.0 (32) 14.03.18 (33) GB  
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 (51) Int. Cl.  
     **E21B 43/16** ( 2006.01 )  
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 (31) 62/569,160 (32) 06.10.17 (33) US  
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 (51) Int. Cl.  
*B62D 21/12* ( 2006.01 )  
*B60K 1/04* ( 2019.01 )  
*B62D 21/18* ( 2006.01 )  
 (31) 16/158,015 (32) 11.10.18 (33) US  
 (43) 30.04.2020  
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 (51) Int. Cl.  
*B65B 25/04* ( 2006.01 )  
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*B65B 57/10* ( 2006.01 )  
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 (31) 2018335 (32) 08.02.17 (33) NL  
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 (11) AU-B-2021248415  
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 (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 )  
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*C07D 405/14* ( 2006.01 )  
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 (11) AU-B-2022252735  
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 (54) METHOD AND APPARATUS FOR SYNCHRONIZING APPLICATIONS' CONSUMPTION OF REMOTE DATA  
 (51) Int. Cl.  
*H04N 7/173* ( 2011.01 )  
*H04N 7/025* ( 2006.01 )  
*H04N 7/16* ( 2011.01 )  
 (43) 03.11.2022  
 (44) 21.03.2024  
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 (54) Treatment of migraine  
 (51) Int. Cl.  
*A61K 31/58* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
 (87) WO2020/214452  
 (31) 62/833,994 (32) 15.04.19 (33) US  
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 (44) 21.03.2024  
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 (21) 2019216357 (22) 31.01.2019  
 (54) Sourdough and process for producing same  
 (51) Int. Cl.  
*A21D 8/04* ( 2006.01 )  
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 (43) 08.08.2019  
 (44) 21.03.2024  
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 (21) 2021357436 (22) 17.09.2021  
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 (51) Int. Cl.  
*H02G 1/12* ( 2006.01 )  
*B25B 27/14* ( 2006.01 )  
*B25F 1/02* ( 2006.01 )  
*B25F 3/00* ( 2006.01 )  
*G01L 5/00* ( 2006.01 )  
*H01R 43/042* ( 2006.01 )

*H01R 43/048* ( 2006.01 )  
*H02G 1/00* ( 2006.01 )  
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 (21) 2019265217 (22) 07.05.2019  
 (54) Spray head  
 (51) Int. Cl.  
*B05B 1/02* ( 2006.01 )  
*B05B 1/04* ( 2006.01 )  
*B05B 1/18* ( 2006.01 )  
 (87) WO2019/213701  
 (31) 2018901544 (32) 07.05.18 (33) AU  
 (43) 14.11.2019  
 (44) 21.03.2024  
 (72) YAO, Pengyuan  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Pictometry International Corp.  
 (11) AU-B-2022203756  
 (21) 2022203756 (22) 01.06.2022  
 (54) UNMANNED AIRCRAFT STRUCTURE EVALUATION SYSTEM AND METHOD  
 (51) Int. Cl.  
*G06T 17/05* ( 2011.01 )  
*B64D 47/08* ( 2006.01 )  
 (43) 23.06.2022  
 (44) 21.03.2024  
 (62) 2020260445  
 (72) Schultz, Stephen L.; Monaco, John  
 (74) Phillips Ormonde Fitzpatrick

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 (11) AU-B-2023202943  
 (21) 2023202943 (22) 11.05.2023  
 (54) A pet accessory device  
 (51) Int. Cl.  
*B65F 1/06* ( 2006.01 )  
*A46B 17/08* ( 2006.01 )  
*B65D 83/08* ( 2006.01 )  
*A45D 24/38* ( 2006.01 )  
*B65F 1/00* ( 2006.01 )  
 (31) 2022901864 (32) 01.07.22 (33) AU  
 (43) 18.01.2024  
 (44) 21.03.2024  
 (72) Pisanelli, Rocky  
 (74) Patentec Patent Attorneys

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 (11) AU-B-2021225930  
 (21) 2021225930 (22) 26.02.2021  
 (54) Thermally conductive and electrically insulating powder coating compositions  
 (51) Int. Cl.  
*C09D 5/03* ( 2006.01 )  
*B05D 1/06* ( 2006.01 )  
*C09D 163/00* ( 2006.01 )  
*C09D 171/12* ( 2006.01 )  
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 POLLUM JR., Marvin M.; DEI,  
 Daniel K.; WOODWORTH, Brian E.;  
 SCHNEIDER, John R.; FRENCH,  
 Maria S.; CONDIE, Allison G.; GON-  
 DER-JONES, Holli; APANIUS, Chris-  
 topher; BANCROFT, Cassandra Noelle  
 (74) Minter Ellison

**Praeventix, LLC see Temple University-of  
 The Commonwealth System of Higher  
 Education**

(21) 2022202240

(71) Prelude Therapeutics, Incorporated  
 (11) AU-B-2019235912  
 (21) 2019235912 (22) 14.03.2019  
 (54) Selective inhibitors of protein arginine  
 methyltransferase 5 (PRMT5)  
 (51) Int. Cl.

*C07D 487/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 519/00* ( 2006.01 )

(87) WO2019/178368

(31) 62/642,727 (32) 14.03.18 (33) US  
 62/666,726 04.05.18 US  
 62/742,048 05.10.18 US

(43) 19.09.2019  
 (44) 21.03.2024

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 Michael; SHETTY, Rupa; PITIS, Philip;  
 SABORIT VILLARROYA, Gisela

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(71) Prysmian S.p.A.

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(21) 2017444313 (22) 22.12.2017

(54) Fiber management system for man-  
 aging and distributing optical fibers

(51) Int. Cl.

*G02B 6/44* ( 2006.01 )

(87) WO2019/123496

(43) 27.06.2019

(44) 21.03.2024

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(74) Davies Collison Cave Pty Ltd

(71) Pulmopharma IVS

(11) AU-B-2018285342

(21) 2018285342 (22) 13.06.2018

(54) Antibiotic composition for the treatment  
 of infections with resistant microorgan-  
 ism

(51) Int. Cl.

*A61K 31/14* ( 2006.01 )

*A61K 31/155* ( 2006.01 )

*A61K 31/765* ( 2006.01 )

*A61K 31/785* ( 2006.01 )

*A61P 31/00* ( 2006.01 )

*A61P 31/04* ( 2006.01 )

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(44) 21.03.2024

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 Mønster

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(71) Qingdao Haier Refrigerator Co., Ltd.;  
 Haier Smart Home Co., Ltd.; Haier US  
 Appliance Solutions, Inc.

(11) AU-B-2022204813

(21) 2022204813 (22) 05.07.2022

(54) Clear barrel ice maker

(51) Int. Cl.

*F25C 5/04* ( 2006.01 )

*F25C 1/04* ( 2018.01 )

(43) 28.07.2022

(44) 21.03.2024

(62) 2019341285

(72) JUNGE, Brent Alden; BESORE, John  
 Keith

(74) Madderns Pty Ltd

(71) Raven Industries, Inc.

(11) AU-B-2021297320

(21) 2021297320 (22) 24.06.2021

(54) Duct throttled sprayer nozzle assem-  
 blies and methods for same

(51) Int. Cl.

*B05B 12/08* ( 2006.01 )

*B05B 1/30* ( 2006.01 )

(87) WO2021/263024

(31) 63/043,741 (32) 24.06.20 (33) US

(43) 30.12.2021

(44) 21.03.2024

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 KROSSCHELL, Justin; KOCER, Jared  
 Ernest

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(71) Raytheon Company

(11) AU-B-2019392179

(21) 2019392179 (22) 24.10.2019

(54) Accelerating dataflow signal processing  
 applications across heterogeneous  
 CPU/GPU systems

(51) Int. Cl.

*G06F 9/50* ( 2006.01 )

*G06F 9/54* ( 2006.01 )

*G06F 9/52* ( 2006.01 )

(87) WO2020/117388

(31) 62/776,119 (32) 06.12.18 (33) US  
 16/372,618 02.04.19 US

(43) 11.06.2020

(44) 21.03.2024

(72) CHAMPIGNY, Michael

(74) RnB IP Pty Ltd

(71) Regeneron Pharmaceuticals, Inc.

(11) AU-B-2017283470

(21) 2017283470 (22) 13.06.2017

(54) Anti-C5 antibodies and uses thereof

(51) Int. Cl.

*C07K 16/18* ( 2006.01 )

(87) WO2017/218515

(31) 62/422,107 (32) 15.11.16 (33) US  
 62/405,561 07.10.16 US  
 62/349,705 14.06.16 US

(43) 21.12.2017

(44) 21.03.2024

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 Carmelo; Olson, William

(74) Griffith Hack

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 J.

(11) AU-B-2022246428

(21) 2022246428 (22) 06.10.2022

(54) Maneuverable ergonomic trailer stands

(51) Int. Cl.

*B60D 1/66* ( 2006.01 )

(43) 03.11.2022

(44) 21.03.2024

(62) 2019249267

(72) DIBIASE, Joe; WIEGEL, Aaron J.;

OLSON, Andy; WAUGAMAN, Charles;

SWIFT, David; GRANT, Donald; WER-

NECKE, Garret; OATES, Jason;

DONDLINGER, Jason; KORMAN, Joe;

PARUCH, Lucas I.; SNYDER, Ronald

P.; DUESING, Tony

(74) WRAYS PTY LTD

(71) Robel Bahnbaumaschinen GmbH

(11) AU-B-2018425114

(21) 2018425114 (22) 29.05.2018

(54) Impact wrench for tightening and  
 loosening nuts and screws on a track

(51) Int. Cl.

*E01B 29/28* ( 2006.01 )

*B25B 23/14* ( 2006.01 )

*B23P 19/06* ( 2006.01 )

*B25B 23/142* ( 2006.01 )

(87) WO2019/228609

(43) 05.12.2019

(44) 21.03.2024

(72) WIDLROITHER, Otto

(74) Phillips Ormonde Fitzpatrick

**Rohm and Haas Company see Dow Global  
 Technologies LLC**

(21) 2018274905

(71) Safehinge Limited

(11) AU-B-2018251945

(21) 2018251945 (22) 10.04.2018

(54) Hinge, leaf and associated methods

(51) Int. Cl.

*E05D 7/10* ( 2006.01 )

*E05D 7/081* ( 2006.01 )

(87) WO2018/189206

(31) 1705775.3 (32) 10.04.17 (33) GB  
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(43) 18.10.2018

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(72) Ridley, Shaun

(74) Allens Patent & Trade Mark Attorneys

(71) Sakata Seed Corporation

(11) AU-B-2022239047

(21) 2022239047 (22) 18.03.2022

(54) Novel squash plant and method for pro-  
 ducing same

(51) Int. Cl.

*A01H 5/00* ( 2018.01 )

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**A01H 1/00** ( 2006.01 )  
**A01H 5/10** ( 2018.01 )  
**A01H 6/34** ( 2018.01 )  
**(87)** WO2022/196801  
**(31)** 2021-044448 **(32)** 18.03.21 **(33)** JP  
**(43)** 22.09.2022  
**(44)** 21.03.2024  
**(72)** HAMANO, Takeshi  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** salesforce.com, inc.  
**(11)** AU-B-2019236629  
**(21)** 2019236629 **(22)** 24.09.2019  
**(54)** User interface for commerce architecture

**(51)** Int. Cl.  
**G06F 16/11** ( 2019.01 )  
**G06Q 30/00** ( 2012.01 )  
**(31)** 62/735,671 **(32)** 24.09.18 **(33)** US  
 16/264,391 31.01.19 US  
**(43)** 09.04.2020  
**(44)** 21.03.2024  
**(72)** WOODWARD, David James; CHADDA, Abhinav; HACKER, David; NESS, Steven; LAGROTTE, Matt; MOODY, Jason; BILL, Christopher; BARDE, Kaustubh; LODOVISI, Lydia; FLAMION, Sarah; HALL, Jamin  
**(74)** Spruson & Ferguson

**(71)** Sangamo Therapeutics, Inc.  
**(11)** AU-B-2017324462  
**(21)** 2017324462 **(22)** 07.09.2017  
**(54)** Modulation of liver genes  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )  
**(87)** WO2018/049009  
**(31)** 62/384,428 **(32)** 07.09.16 **(33)** US  
**(43)** 15.03.2018  
**(44)** 21.03.2024  
**(72)** Conway, Anthony; Lee, Gary K.; Paschon, David; Zhang, Lei  
**(74)** WRAYS PTY LTD

**(71)** Sapience Therapeutics, Inc.  
**(11)** AU-B-2020311873  
**(21)** 2020311873 **(22)** 06.07.2020  
**(54)** Modified BCL9 mimetic peptides  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**C07K 14/82** ( 2006.01 )  
**(87)** WO2021/007158  
**(31)** 62/870,938 **(32)** 05.07.19 **(33)** US  
**(43)** 14.01.2021  
**(44)** 21.03.2024  
**(72)** KAPPEL, Barry Jay; MERUTKA, Gene; ROTOLO, Jimmy Andrew; GALLAGHER, Erin E.  
**(74)** Forte Intellectual Property Pty Ltd

**(71)** Schlumberger Technology B.V.  
**(11)** AU-B-2018293447  
**(21)** 2018293447 **(22)** 28.06.2018  
**(54)** Seal apparatus and methods of use  
**(51)** Int. Cl.

**E21B 23/01** ( 2006.01 )  
**E21B 23/06** ( 2006.01 )  
**E21B 33/06** ( 2006.01 )  
**E21B 33/12** ( 2006.01 )  
**E21B 33/128** ( 2006.01 )  
**F16J 15/3252** ( 2016.01 )  
**F16J 15/3292** ( 2016.01 )  
**(87)** WO2019/002883  
**(31)** 1710367.2 **(32)** 28.06.17 **(33)** GB  
**(43)** 03.01.2019  
**(44)** 21.03.2024  
**(72)** BROWN, Gareth Edward George  
**(74)** Griffith Hack

**(71)** SCOHIA PHARMA, Inc.  
**(11)** AU-B-2019391942  
**(21)** 2019391942 **(22)** 04.12.2019  
**(54)** Macrocyclic compound and use thereof  
**(51)** Int. Cl.

**A61K 31/4748** ( 2006.01 )  
**A61K 31/5386** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 7/06** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07D 471/18** ( 2006.01 )  
**C07D 491/22** ( 2006.01 )  
**C07D 498/18** ( 2006.01 )  
**C07D 498/22** ( 2006.01 )

**(87)** WO2020/116660  
**(31)** 2018-228234 **(32)** 05.12.18 **(33)** JP  
**(43)** 11.06.2020  
**(44)** 21.03.2024  
**(72)** MATSUMOTO, Shigemitsu; HARA, Ryoma; NOGUCHI, Naoyoshi; FUKUSHI, Hideto; NIIDA, Ayumu; SASAKI, Satoshi; IKOMA, Minoru; KOBAYASHI, Toshiyuki; MAEKAWA, Tsuyoshi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sekisui Chemical Co., Ltd.  
**(11)** AU-B-2018398050  
**(21)** 2018398050 **(22)** 27.12.2018  
**(54)** Scaffolding material for stem cell cultures and stem cell culture method using same  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**C12N 5/0735** ( 2010.01 )  
**C12N 5/074** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C08F 8/28** ( 2006.01 )

**(87)** WO2019/131978  
**(31)** 2017-252420 **(32)** 27.12.17 **(33)** JP  
**(43)** 04.07.2019  
**(44)** 21.03.2024  
**(72)** HANEDA, Satoshi; MANABE, Yuriko; ISHII, Ryoma; IGUCHI, Hiroki; YAMAUCHI, Hiroshi; OMURA, Takahiro  
**(74)** Griffith Hack

**(71)** Seleggt GmbH  
**(11)** AU-B-2017440064  
**(21)** 2017440064 **(22)** 14.11.2017  
**(54)** Egg support and apparatus for handling eggs  
**(51)** Int. Cl.  
**A01K 43/00** ( 2006.01 )  
**A01K 45/00** ( 2006.01 )  
**B65G 47/94** ( 2006.01 )  
**(87)** WO2019/096372  
**(43)** 23.05.2019  
**(44)** 21.03.2024  
**(72)** METER, Tjitze  
**(74)** Griffith Hack

**(71)** SEMINIS VEGETABLE SEEDS, INC.  
**(11)** AU-B-2022201596  
**(21)** 2022201596 **(22)** 08.03.2022  
**(54)** Tomato plants with improved disease resistance  
**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12N 15/87** ( 2006.01 )

**(43)** 31.03.2022  
**(44)** 21.03.2024  
**(62)** 2019306267  
**(72)** ALLERSMA, Anton P.; DROST, Derek R.; FRANTZ, James D.; GALLEGOS, Laura; GARCIA ANDRES, Susana M.; GRAHAM, Elaine; PEDRONI, Stephanie; SALLERES NEIRA, Maria B.  
**(74)** Griffith Hack

**(71)** SentiAR, Inc.  
**(11)** AU-B-2020369596  
**(21)** 2020369596 **(22)** 23.10.2020  
**(54)** Electrogram annotation system  
**(51)** Int. Cl.  
**G06F 3/14** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**G03H 1/00** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**G06T 19/00** ( 2011.01 )  
**G09G 5/12** ( 2006.01 )

**(87)** WO2021/081352  
**(31)** 62/926,422 **(32)** 25.10.19 **(33)** US  
**(43)** 29.04.2021  
**(44)** 21.03.2024  
**(72)** BLUME, Walter; SOUTHWORTH, Michael K.; SILVA, Jennifer N. Avari; SILVA, Jonathan R.; SORIANO, Ignacio  
**(74)** FB Rice Pty Ltd

**(71)** Shaanxi Giant Biotechnology Co., Ltd  
**(11)** AU-B-2021257523  
**(21)** 2021257523 **(22)** 19.04.2021  
**(54)** Ginsenoside composition having alcoholic fatty liver-preventing and -treating function  
**(51)** Int. Cl.  
**A61K 31/704** ( 2006.01 )  
**A61K 36/258** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**(87)** WO2021/209070  
**(31)** 202010305247.X **(32)** 17.04.20 **(33)** CN



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 (72) FAN, Daidi; HE, Jing; DUAN, Zhiguang; YAN, Jianya  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Shenyang Sinochem Agrochemicals R&D Co., Ltd.; Jiangsu Yangnong Chemical Co., Ltd.  
 (11) AU-B-2021302173  
 (21) 2021302173 (22) 30.06.2021  
 (54) Preparation method for phenyl-isoxazoline compound  
 (51) Int. Cl.  
**C07D 413/10** ( 2006.01 )  
**C07D 239/54** ( 2006.01 )

(87) WO2022/002116  
 (31) 202010634286.4 (32) 02.07.20 (33) CN  
 (43) 06.01.2022  
 (44) 21.03.2024  
 (72) YANG, Jichun; GUAN, Aiyang; WU, Qiao; WU, Enming; WU, Gongxin; LIU, Changling  
 (74) Madderns Pty Ltd

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(71) Shenzhen Pregene Biopharma Co. Ltd.  
 (11) AU-B-2019323389  
 (21) 2019323389 (22) 10.07.2019  
 (54) Anti-BCMA single domain antibodies and application thereof  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )

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 (31) 201810972054.2 (32) 24.08.18 (33) CN  
 (43) 27.02.2020  
 (44) 21.03.2024  
 (72) ZHANG, Jishuai; LI, Hongjian; BAO, ChaoLemeng; CAI, Qinghua; LI, Yingying; SONG, Zongpei; DING, Yijin; CAI, Zhibo  
 (74) Madderns Pty Ltd

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(71) SHENZHEN SHENXIN BIOTECHNOLOGY CO., LTD.  
 (11) AU-B-2021329702  
 (21) 2021329702 (22) 12.08.2021  
 (54) LIPID NANOPARTICLE  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**C07C 229/16** ( 2006.01 )  
**C07C 233/36** ( 2006.01 )  
**C07C 255/24** ( 2006.01 )  
**C07D 295/13** ( 2006.01 )

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 (31) 202010841678.8 (32) 20.08.20 (33) CN  
 (43) 24.02.2022  
 (44) 21.03.2024  
 (72) LI, Linxian  
 (74) Spruson & Ferguson

(71) SHORT, N.  
 (11) AU-B-2017200142  
 (21) 2017200142 (22) 09.01.2017  
 (54) WINDING DEVICE FOR COILING TENSIONING STRAPS  
 (51) Int. Cl.  
**B60P 7/08** ( 2006.01 )

(43) 26.07.2018  
 (44) 21.03.2024  
 (72) SHORT, Neil Raymond  
 (74) Baxter Patent Attorneys Pty Ltd

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(71) SIGVARIS AG  
 (11) AU-B-2018363580  
 (21) 2018363580 (22) 29.10.2018  
 (54) Method for tailoring a compression garment  
 (51) Int. Cl.  
**A61F 13/08** ( 2006.01 )

(87) WO2019/091811  
 (31) 15/808,092 (32) 09.11.17 (33) US  
 (43) 16.05.2019  
 (44) 21.03.2024  
 (72) HOFFMAN, Keith A.; KUIPERS, Laure  
 (74) Davies Collison Cave Pty Ltd

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(71) Sika Technology AG  
 (11) AU-B-2018314761  
 (21) 2018314761 (22) 08.08.2018  
 (54) Method for the application of mineral binder compositions containing fibres  
 (51) Int. Cl.  
**B28C 5/12** ( 2006.01 )  
**B28C 5/40** ( 2006.01 )

(87) WO2019/030256  
 (31) 17185657.8 (32) 09.08.17 (33) EP  
 (43) 14.02.2019  
 (44) 21.03.2024  
 (72) LIARD, Maxime; BOURQUIN, Raphael; LOOTENS, Didier  
 (74) WRAYS PTY LTD

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(71) Sika Technology AG  
 (11) AU-B-2018314850  
 (21) 2018314850 (22) 09.08.2018  
 (54) System for applying a building material  
 (51) Int. Cl.  
**B28C 7/04** ( 2006.01 )  
**B28B 1/00** ( 2006.01 )  
**B28C 5/08** ( 2006.01 )  
**B29C 64/00** ( 2017.01 )  
**B33Y 30/00** ( 2015.01 )

(87) WO2019/030328  
 (31) 17185653.7 (32) 09.08.17 (33) EP  
 (43) 14.02.2019  
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 (74) WRAYS PTY LTD

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(71) Simol S.p.A.  
 (11) AU-B-2018241131  
 (21) 2018241131 (22) 04.10.2018  
 (54) Three-stage parking jack  
 (51) Int. Cl.

**B66F 3/10** ( 2006.01 )  
**B66F 17/00** ( 2006.01 )

(31) 102017000127261 (32) 08.11.17 (33) IT  
 (43) 23.05.2019  
 (44) 21.03.2024  
 (72) RIGHETTI, Valter  
 (74) Spruson & Ferguson

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(71) Sleepme Inc.  
 (11) AU-B-2018332812  
 (21) 2018332812 (22) 11.09.2018  
 (54) Stress reduction and sleep promotion system  
 (51) Int. Cl.  
**A61M 21/02** ( 2006.01 )  
**A47C 21/02** ( 2006.01 )  
**A47C 21/04** ( 2006.01 )  
**A47C 31/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**F25D 17/02** ( 2006.01 )  
**F25D 29/00** ( 2006.01 )

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 (31) 15/848,816 (32) 20.12.17 (33) US  
 15/705,829 15.09.17 US  
 (43) 21.03.2019  
 (44) 21.03.2024  
 (72) YOUNGBLOOD, Todd; YOUNG-BLOOD, Tara  
 (74) WRAYS PTY LTD

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(71) SMA Solar Technology AG  
 (11) AU-B-2018366935  
 (21) 2018366935 (22) 06.11.2018  
 (54) Feeding electric power from a photovoltaic system into an AC system having a low short-circuit capacity  
 (51) Int. Cl.  
**H02J 3/16** ( 2006.01 )  
**H02J 3/18** ( 2006.01 )

(87) WO2019/096631  
 (31) 10 2017 127 018.3 (32) 16.11.17 (33) DE  
 (43) 23.05.2019  
 (44) 21.03.2024  
 (72) PREMM, Daniel; SAKSCHEWSKI, Vitali  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Snap-on Incorporated  
 (11) AU-B-2022200790  
 (21) 2022200790 (22) 07.02.2022  
 (54) DOUBLE REDUCTION GEAR TRAIN  
 (51) Int. Cl.  
**B25B 21/00** ( 2006.01 )  
**F16H 1/46** ( 2006.01 )

(43) 24.02.2022  
 (44) 21.03.2024  
 (62) 2020260376  
 (72) CYBORSKI, David A.; BEER, Joshua M.; PATTERSON, Matthew D.  
 (74) Griffith Hack

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(71) Snap-on Incorporated  
 (11) AU-B-2022204852  
 (21) 2022204852 (22) 06.07.2022  
 (54) Tool storage units with integrated power  
 (51) Int. Cl.

Applications Accepted - Name Index cont'd

**B25H 3/02** ( 2006.01 )  
**(43)** 28.07.2022  
**(44)** 21.03.2024  
**(62)** 2020264383  
**(72)** DOERFLINGER, David A.; EGGERT, Daniel  
**(74)** Griffith Hack

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**(71)** Snap-On Incorporated  
**(11)** AU-B-2022201937  
**(21)** 2022201937 **(22)** 21.03.2022  
**(54)** Controlling brushless motor commutation  
**(51)** Int. Cl.  
**H02P 6/16** ( 2016.01 )  
**H02P 6/28** ( 2016.01 )  
**H02P 101/00** ( 2015.01 )  
**(31)** 63/164,638 **(32)** 23.03.21 **(33)** US  
 17/694,260 14.03.22 US  
**(43)** 13.10.2022  
**(44)** 21.03.2024  
**(72)** GENZ, Jason; RAJZER, Michael T.; FOX, Christoffer S.; NITZSCHE, Daniel  
**(74)** Griffith Hack

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**(71)** Societe des Produits Nestle S.A.  
**(11)** AU-B-2018386625  
**(21)** 2018386625 **(22)** 21.12.2018  
**(54)** Creamer composition  
**(51)** Int. Cl.  
**A23C 11/10** ( 2006.01 )  
**A23L 9/20** ( 2016.01 )  
**(87)** WO2019/122336  
**(31)** 17209943.4 **(32)** 22.12.17 **(33)** EP  
**(43)** 27.06.2019  
**(44)** 21.03.2024  
**(72)** WAKSMAN, Lucile; TERRAZAS, Korina; WIDMER, Christoph; PEPE, Francesca; DES CHAMPS DE BOISHEBERT, Virginie Marie Geneviève Christoph  
**(74)** Spruson & Ferguson

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**(71)** Steelcase Inc.  
**(11)** AU-B-2018280190  
**(21)** 2018280190 **(22)** 07.06.2018  
**(54)** Seating arrangement and method of construction  
**(51)** Int. Cl.  
**A47C 3/12** ( 2006.01 )  
**A47C 1/02** ( 2006.01 )  
**A47C 1/024** ( 2006.01 )  
**A47C 3/02** ( 2006.01 )  
**A47C 3/025** ( 2006.01 )  
**A47C 3/026** ( 2006.01 )  
**A47C 5/00** ( 2006.01 )  
**(87)** WO2018/226974  
**(31)** 62/653,275 **(32)** 05.04.18 **(33)** US  
 62/517,270 09.06.17 US  
 15/997,128 04.06.18 US  
**(43)** 13.12.2018  
**(44)** 21.03.2024  
**(72)** DEEVERS, Nickolaus William Charles; HEIDMANN, Kurt R.; KEMEN, Michael J.  
**(74)** WRAYS PTY LTD

**(71)** Structo Pte. Ltd.  
**(11)** AU-B-2018279618  
**(21)** 2018279618 **(22)** 11.06.2018  
**(54)** Method and device for decentralised automated additive manufacturing  
**(51)** Int. Cl.  
**B29C 64/20** ( 2017.01 )  
**B29C 64/227** ( 2017.01 )  
**B29C 64/245** ( 2017.01 )  
**B33Y 30/00** ( 2015.01 )  
**(87)** WO2018/226164  
**(31)** 10201704776W **(32)** 09.06.17 **(33)** SG  
 10201801184R 12.02.18 SG  
**(43)** 13.12.2018  
**(44)** 21.03.2024  
**(72)** Van Esbroeck, Hubertus Theodorus Petrus; Suwono, Boyle; Gupta, Harsh  
**(74)** FB Rice Pty Ltd

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**(71)** Stryker Corporation  
**(11)** AU-B-2018257642  
**(21)** 2018257642 **(22)** 17.04.2018  
**(54)** Control console and accessories for RF nerve ablation and methods of operating the same  
**(51)** Int. Cl.  
**A61B 18/12** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
**(87)** WO2018/200254  
**(31)** 62/491,615 **(32)** 28.04.17 **(33)** US  
**(43)** 01.11.2018  
**(44)** 21.03.2024  
**(72)** Sprinkle, Thomas; Baydoun, Habib; Latchford, Blake; Crampton, Edward  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Stryker Corporation  
**(11)** AU-B-2022200551  
**(21)** 2022200551 **(22)** 28.01.2022  
**(54)** Surgical instrument with telescoping nose mechanism  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61B 17/32** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
**(43)** 17.02.2022  
**(44)** 21.03.2024  
**(62)** 2016365200  
**(72)** Bozung, Timothy J.  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Stryker Corporation  
**(11)** AU-B-2023206084  
**(21)** 2023206084 **(22)** 17.07.2023  
**(54)** Systems and methods for robotic surgery  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**(43)** 10.08.2023  
**(44)** 21.03.2024  
**(62)** 2022202260  
**(72)** Bowling, David Gene; Stuart, John Michael; Culp, Jerry A.; Malackowski, Donald W.; Moctezuma De La Barrera, Jose Luis; Roessler, Patrick; Beer, Joel N.  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Stryker European Operations Limited  
**(11)** AU-B-2018278897  
**(21)** 2018278897 **(22)** 12.12.2018  
**(54)** Guide system and method for indicating a defibrillator activator  
**(51)** Int. Cl.  
**A61N 1/39** ( 2006.01 )  
**(31)** 1721764.7 **(32)** 22.12.17 **(33)** GB  
**(43)** 11.07.2019  
**(44)** 21.03.2024  
**(72)** McCanny, Paul; McIntyre, Allister; Anderson, Johnny  
**(74)** Spruson & Ferguson

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**(71)** Stryker European Operations Limited  
**(11)** AU-B-2018278898  
**(21)** 2018278898 **(22)** 12.12.2018  
**(54)** Defibrillator activation and status indication  
**(51)** Int. Cl.  
**A61N 1/39** ( 2006.01 )  
**(31)** 1721767.0 **(32)** 22.12.17 **(33)** GB  
**(43)** 11.07.2019  
**(44)** 21.03.2024  
**(72)** McIntyre, Allister; Anderson, Johnny  
**(74)** Spruson & Ferguson

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**(71)** Subsea 7 Norway AS  
**(11)** AU-B-2018296421  
**(21)** 2018296421 **(22)** 03.07.2018  
**(54)** Offloading hydrocarbons from subsea fields  
**(51)** Int. Cl.  
**B63B 22/02** ( 2006.01 )  
**E21B 17/01** ( 2006.01 )  
**E21B 17/02** ( 2006.01 )  
**(87)** WO2019/007975  
**(31)** 20171092 **(32)** 03.07.17 **(33)** NO  
 1710668.3 03.07.17 GB  
**(43)** 10.01.2019  
**(44)** 21.03.2024  
**(72)** Dassvatn, Sigbjørn; Karunakaran, Daniel  
**(74)** Allens Patent & Trade Mark Attorneys

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**(71)** Sumitomo Metal Mining Co., Ltd.  
**(11)** AU-B-2018289930  
**(21)** 2018289930 **(22)** 19.06.2018  
**(54)** Near-infrared-curable ink composition, method for producing same, near-infrared-cured film, and optical shaping method  
**(51)** Int. Cl.  
**C09D 11/03** ( 2014.01 )  
**B29C 64/124** ( 2017.01 )  
**C09D 11/102** ( 2014.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 70/00** ( 2015.01 )  
**(87)** WO2018/235829  
**(31)** PCT/ **(32)** 19.06.17 **(33)** JP  
 JP2017/022459  
**(43)** 27.12.2018  
**(44)** 21.03.2024  
**(72)** OKADA, Mika; CHONAN, Takeshi; TSUNEMATSU, Hirofumi  
**(74)** Davies Collison Cave Pty Ltd

Applications Accepted - Name Index cont'd

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(71) Sun Chemical Corporation  
 (11) AU-B-2019242219  
 (21) 2019242219 (22) 20.03.2019  
 (54) Water-based inks with renewable materials  
 (51) Int. Cl.  
     **C09D 11/10** ( 2014.01 )  
     **C09D 11/14** ( 2006.01 )  
     **C09D 177/00** ( 2006.01 )  
     **C09D 193/00** ( 2006.01 )  
     **F16C 33/20** ( 2006.01 )  
 (87) WO2019/190842  
 (31) 62/648,425 (32) 27.03.18 (33) US  
 (43) 03.10.2019  
 (44) 21.03.2024  
 (72) VANOUDEHNOVEN, Guy  
 (74) Spruson & Ferguson

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(71) Sungrow Power Supply Co., Ltd.  
 (11) AU-B-2020462838  
 (21) 2020462838 (22) 30.10.2020  
 (54) Power electronic device on direct-current side of photovoltaic system, and test system and control method therefor  
 (51) Int. Cl.  
     **H02J 3/38** ( 2006.01 )  
     **G01R 31/00** ( 2006.01 )  
     **H02S 50/00** ( 2014.01 )  
 (87) WO2022/032884  
 (31) 202010806655.3 (32) 12.08.20 (33) CN  
 (43) 17.02.2022  
 (44) 21.03.2024  
 (72) YANG, Yu; CHEN, Qiaodi; PENG, Yuqi; XU, Jun  
 (74) FB Rice Pty Ltd

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(71) Supernova Bio Co., Ltd.  
 (11) AU-B-2020407310  
 (21) 2020407310 (22) 03.08.2020  
 (54) Lipolysis composition using surface-modified gas-generating nanoparticles  
 (51) Int. Cl.  
     **A61K 9/51** ( 2006.01 )  
     **A61K 8/02** ( 2006.01 )  
     **A61K 8/19** ( 2006.01 )  
     **A61K 8/64** ( 2006.01 )  
     **A61K 8/72** ( 2006.01 )  
     **A61K 9/00** ( 2006.01 )  
     **A61K 33/10** ( 2006.01 )  
     **A61P 3/04** ( 2006.01 )  
     **A61Q 19/06** ( 2006.01 )  
 (87) WO2021/125488  
 (31) 10-2019-0171012 (32) 19.12.19 (33) KR  
 (43) 24.06.2021  
 (44) 21.03.2024  
 (72) JEONG, Eun Ju; SEO, Ye Rang  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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(71) Sutro Biopharma, Inc.  
 (11) AU-B-2017212739  
 (21) 2017212739 (22) 27.01.2017  
 (54) Anti-CD74 antibody conjugates, compositions comprising anti-CD74 anti-

body conjugates and methods of using anti-CD74 antibody conjugates  
 (51) Int. Cl.  
     **A61K 47/68** ( 2017.01 )  
     **A61P 35/00** ( 2006.01 )  
 (87) WO2017/132615  
 (31) 62/287,824 (32) 27.01.16 (33) US  
 (43) 03.08.2017  
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*C03C 1/02* ( 2006.01 )  
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*G06F 21/60* ( 2013.01 )  
*G06F 21/64* ( 2013.01 )  
*G06Q 10/0832* ( 2023.01 )  
*G06Q 50/40* ( 2024.01 )  
*H04L 9/08* ( 2006.01 )  
*H04L 67/12* ( 2022.01 )  
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*F16K 37/00* ( 2006.01 )  
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**(72)** HJERTVIKREM, Terje; NADKARNI, Surendra  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(54)** WALL MOUNTABLE BRACKET ASSEMBLY  
**(51)** Int. Cl.  
**E04B 1/38** ( 2006.01 )  
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**(71)** Viega Technology GmbH & Co. KG  
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**B25B 27/10** ( 2006.01 )  
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**H04L 51/02** ( 2022.01 )  
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**(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 )  
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**E21B 23/04** ( 2006.01 )  
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**E21B 34/10** ( 2006.01 )  
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**B65G 33/04** ( 2006.01 )  
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**C07C 215/14** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
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**(72)** SONG, Xiangrong; WEI, Xiawei; WEI, Yuquan  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Wing Aviation LLC  
**(11)** AU-B-2021257911  
**(21)** 2021257911 **(22)** 26.10.2021  
**(54)** Payload coupling apparatus for UAV and method of delivering a payload

**(51)** Int. Cl.  
**B64D 1/22** ( 2006.01 )  
**B64C 39/02** ( 2006.01 )  
**B64D 1/12** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
**(43)** 18.11.2021  
**(44)** 21.03.2024  
**(62)** 2018392807  
**(72)** PRAGER, Andre; SHANNON, Trevor; TWYFORD, Evan; MILLER, Alexander  
**(74)** Spruson & Ferguson

**(71)** Wireman Pty Limited  
**(11)** AU-B-2019338935  
**(21)** 2019338935 **(22)** 04.09.2019  
**(54)** Fencing apparatus and fencing techniques  
**(51)** Int. Cl.  
**E04H 17/26** ( 2006.01 )  
**B25B 25/00** ( 2006.01 )  
**(87)** WO2020/051630  
**(31)** 2018903459 **(32)** 14.09.18 **(33)** AU  
 2019900744 07.03.19 AU  
**(43)** 19.03.2020  
**(44)** 21.03.2024  
**(72)** LOWREY, Ian; OLD, Fraser Patison  
**(74)** Fraser Old & Sohn

**Wnl Concrete Products, LLC see Illinois Tool Works Inc.**  
**(21)** 2018313708

**(71)** Wonderland Switzerland AG  
**(11)** AU-B-2020405945  
**(21)** 2020405945 **(22)** 14.12.2020  
**(54)** Anti-shimmy device adapted for a wheel of a child carrier  
**(51)** Int. Cl.  
**B60B 33/04** ( 2006.01 )  
**B60B 33/02** ( 2006.01 )  
**(87)** WO2021/122457  
**(31)** 201922278002.8 **(32)** 16.12.19 **(33)** CN  
 201911360910.X 24.12.19 CN  
 201911392410.4 30.12.19 CN  
 202010034387.8 13.01.20 CN  
**(43)** 24.06.2021  
**(44)** 21.03.2024  
**(72)** WU, HaiTao; ZHU, Wanquan; ZHENG, Leilei; WANG, Er-Xue; ZENG, Hai-Bo  
**(74)** Griffith Hack

**(71)** Worldpay Limited  
**(11)** AU-B-2023203280  
**(21)** 2023203280 **(22)** 25.05.2023  
**(54)** Wireless communication between electronic devices in close proximity  
**(51)** Int. Cl.  
**H04B 5/00** ( 2006.01 )  
**(43)** 22.06.2023  
**(44)** 21.03.2024  
**(62)** 2021240288  
**(72)** PICKERING, Daren; TELFORD-REED, Nicholas  
**(74)** FB Rice Pty Ltd

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(71) X Development LLC  
 (11) AU-B-2022224842  
 (21) 2022224842 (22) 02.09.2022  
 (54) Ground fault detection in ungrounded power systems  
 (51) Int. Cl.  
*G01R 15/14* ( 2006.01 )  
*G01R 19/25* ( 2006.01 )  
*G01R 29/08* ( 2006.01 )  
*G01R 29/12* ( 2006.01 )  
*G01R 29/14* ( 2006.01 )  
*G01R 31/08* ( 2020.01 )  
 (43) 29.09.2022  
 (44) 21.03.2024  
 (62) 2019386971  
 (72) CASEY, Leo Francis; XIN, Siyuan  
 (74) Spruson & Ferguson

(71) Yissum Research Development Company of the Hebrew University of Jerusalem Ltd; LYOTROPIC DELIVERY SYSTEMS Ltd  
 (11) AU-B-2018231842  
 (21) 2018231842 (22) 07.03.2018  
 (54) Topical delivery systems for active compounds  
 (51) Int. Cl.  
*A61K 9/107* ( 2006.01 )  
*A61K 9/06* ( 2006.01 )  
*A61K 31/196* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/14* ( 2017.01 )  
*A61K 47/24* ( 2006.01 )  
 (87) WO2018/163176  
 (31) 62/467,863 (32) 07.03.17 (33) US  
 (43) 13.09.2018  
 (44) 21.03.2024  
 (72) Garti, Nissim; Garti Levi, Sharon  
 (74) Collison & Co

(71) Zodiac Pool Care Europe  
 (11) AU-B-2022209329  
 (21) 2022209329 (22) 29.07.2022  
 (54) Automatic swimming pool cleaners with filter-loading indicators  
 (51) Int. Cl.  
*E04H 4/16* ( 2006.01 )  
 (43) 25.08.2022  
 (44) 21.03.2024  
 (62) 2018307880  
 (72) PICHON, Philippe; MCQUEEN, E. Keith  
 (74) FB Rice Pty Ltd

(71) ZTE Corporation  
 (11) AU-B-2019471690  
 (21) 2019471690 (22) 31.10.2019  
 (54) Adaptive data radio bearer mapping for multicast/broadcast in wireless networks  
 (51) Int. Cl.  
*H04L 12/18* ( 2006.01 )  
 (87) WO2021/081871  
 (43) 06.05.2021  
 (44) 21.03.2024  
 (72) QI, Tao; XIE, Feng; XUE, Yan; XIA, Shuqiang; CAO, Kun  
 (74) Spruson & Ferguson

(71) ZTE Corporation  
 (11) AU-B-2020395346  
 (21) 2020395346 (22) 10.04.2020  
 (54) Rank information in immersive media processing  
 (51) Int. Cl.  
*H04N 13/00* ( 2018.01 )  
*H04N 19/174* ( 2014.01 )  
 (87) WO2021/109397  
 (43) 10.06.2021  
 (44) 21.03.2024  
 (72) WU, Zhao; WU, Ping  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) ZTE Corporation  
 (11) AU-B-2020397127  
 (21) 2020397127 (22) 30.04.2020  
 (54) Reference signal resource management for fast panel switching and antenna switching  
 (51) Int. Cl.  
*H04W 72/04* ( 2009.01 )  
 (87) WO2021/109438  
 (43) 10.06.2021  
 (44) 21.03.2024  
 (72) GAO, Bo; LU, Zhaohua; LI, Yu Ngok; YAO, Ke; ZHANG, Shujuan; WU, Hao  
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) ZURU (SINGAPORE) PTE. LTD.  
 (11) AU-B-2019433970  
 (21) 2019433970 (22) 08.03.2019  
 (54) A liquid dispensing apparatus  
 (51) Int. Cl.  
*F41B 9/00* ( 2006.01 )  
*B05B 9/08* ( 2006.01 )  
 (87) WO2020/183216  
 (43) 17.09.2020  
 (44) 21.03.2024  
 (72) MOWBRAY, Mathew Peter  
 (74) AJ PARK

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2017200142	SHORT, N.	2018292279	Becton, Dickinson and Company
2017212739	Sutro Biopharma, Inc.	2018293447	Schlumberger Technology B.V.
2017214251	Amgen Research (Munich) GmbH	2018294420	Ohio State Innovation Foundation; Dasi, L.; Koupaei, A.; Heitkemper, K.
2017214541	NanoView Biosciences, Inc.		
2017217940	Madison Vaccines Inc.	2018295899	Aposense Ltd.
2017221888	AustinPx, LLC	2018296421	Subsea 7 Norway AS
2017226960	MorphoSys AG	2018298202	Teeter, M.
2017251250	Les Laboratoires Servier	2018299049	Bioclones Proprietary Limited
2017256819	Long Pipes Limited	2018301300	Becton, Dickinson and Company
2017276156	Vehicle Development Corporation Pty Ltd	2018302427	Gustav Klauke GmbH
2017282933	Centro de Inmunologia Molecular	2018303661	Becton, Dickinson and Company
2017283470	Regeneron Pharmaceuticals, Inc.	2018310609	Mucosa Innovations, S.L.
2017302038	OBI Pharma, Inc.	2018311701	Illinois Tool Works Inc.
2017312974	EpimAb Biotherapeutics, Inc.	2018313708	Illinois Tool Works Inc.; Wnl Concrete Products, LLC
2017324462	Sangamo Therapeutics, Inc.	2018314761	Sika Technology AG
2017327604	Cybex GmbH	2018314767	CSL Behring AG
2017341849	University Of Massachusetts	2018314850	Sika Technology AG
2017345479	The Scripps Research Institute	2018317940	CARBON REVOLUTION PTY LTD
2017359333	Dana-Farber Cancer Institute, Inc.	2018322883	MEEP BV
2017366760	Syngenta Participations AG	2018326379	Bayer HealthCare LLC
2017419293	Höganäs AB	2018328044	Neopep Pharma GmbH & Co. KG
2017440064	Seleggt GmbH	2018329245	Nuseed Global Innovation Ltd.
2017444313	Prysmian S.p.A.	2018332581	APL Norway AS
2018203526	Hunter Douglas Inc.	2018332812	Sleepme Inc.
2018209592	AFYX Therapeutics A/S	2018333051	Azevan Pharmaceuticals, Inc.
2018211066	The Scripps Research Institute	2018334143	Bayer Healthcare LLC
2018218796	Perfo Tec B.V.	2018335140	Innospec Limited
2018219983	Lycopodium Minerals Pty Ltd	2018337816	UGSI Solutions, Inc.
2018223782	OMS Investments, Inc.	2018341499	Delaval Holding AB
2018230546	Amgen Inc.	2018344956	M.E.P. Macchine Elettroniche Piegatrici S.p.A.
2018231842	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd; LYOTROPIC DELIVERY SYSTEMS Ltd	2018346606	OXY USA Inc.
		2018347460	Alexion Pharmaceuticals, Inc.; Institut National de la Sante et de la Recherche Medicale
2018234933	Lineage Cell Therapeutics, Inc.	2018356358	F. Hoffmann-La Roche AG
2018235998	Bakscape Holding Corp.	2018356833	Groupe MECALAC
2018237783	Hilti Aktiengesellschaft	2018358898	Atium AB
2018240334	Avient Protective Materials B.V.	2018363580	SIGVARIS AG
2018241131	Simol S.p.A.	2018366935	SMA Solar Technology AG
2018243634	Hologic, Inc.; The Regents of the University of California	2018367291	Abloy Oy
2018247578	Aley Corporation	2018368431	Arcellx, Inc.
2018248978	Biofeed Environmentally Friendly Pest Control Ltd.	2018369626	Avery Dennison Corporation
2018251945	Safehinge Limited	2018372753	Medoncare Pharmaceutical Co., Ltd
2018256488	Ecostar S.r.l.	2018374827	Northwestern University
2018257642	Stryker Corporation	2018385669	Calzoni S.r.l.
2018263267	Fisher & Paykel Healthcare Limited	2018385705	Carl Zeiss Meditec Cataract Technology Inc.
2018263787	Husqvarna AB	2018386625	Societe des Produits Nestle S.A.
2018265811	Applied Medical Resources Corporation	2018387404	Jemella Limited
2018266305	Ecolab USA Inc.	2018391323	Coloplast A/S
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2018271094	Advanced Aesthetic Technologies, Inc.	2018392231	Melville Equipment Corp. Pty Ltd
2018271233	The Boeing Company	2018393075	LanzaTech, Inc.
2018272115	Munday, G.	2018398050	Sekisui Chemical Co., Ltd.
2018273539	Johnson & Johnson Consumer Inc.	2018399624	Ecolab USA Inc.
2018273827	Commonwealth Scientific and Industrial Research Organisation	2018415343	Laboratoire Biosthétique Kosmetik GmbH & Co. KG
2018274905	Dow Global Technologies LLC; Rohm and Haas Company	2018425114	Robel Bahnbaumaschinen GmbH
2018275187	DDP Specialty Electronic Materials US, LLC	2019200044	Aurora Flight Sciences Corporation
2018278897	Stryker European Operations Limited	2019200049	PACCAR Inc
2018278898	Stryker European Operations Limited	2019200997	Dane Pty Ltd
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2018280190	Steelcase Inc.	2019202041	Manitou Italia S.r.l.
2018280336	EMvision Medical Devices Ltd	2019203545	Noritz Corporation
2018282400	VeChain Global Technology S.ár.l.	2019206628	TuSimple, Inc.
2018285342	Pulmopharma IVS	2019207463	Oxford University Innovation Limited
2018288455	Della Toffola S.p.A.	2019207518	Dyno Nobel Asia Pacific Pty Limited
2018289930	Sumitomo Metal Mining Co., Ltd.	2019211747	DePuy Synthes Products, Inc.
		2019212318	DePuy Synthes Products, Inc.
		2019212923	Tyco Fire Products LP
		2019213886	Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.



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2019214441	Junke, P.	2020350090	Viega Technology GmbH & Co. KG
2019215585	Hagleitner, H.G.	2020355591	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2019216357	Philibert, P.	2020366205	The University of North Carolina at Chapel Hill
2019220211	Huntsman Textile Effects (Switzerland) GmbH	2020369568	Gilead Sciences, Inc.
2019221209	Landis+Gyr AG	2020369596	SentiAR, Inc.
2019223155	Cambridge Glycoscience Ltd	2020372299	Baker Hughes Oilfield Operations LLC
2019229760	DM Orthotics Limited	2020375666	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2019232704	Bristol-Myers Squibb Company	2020381141	Assa Abloy AB
2019235912	Prelude Therapeutics, Incorporated	2020391106	Gilead Sciences, Inc.
2019236629	salesforce.com, inc.	2020392150	LG Electronics Inc.
2019236720	Kabushiki Kaisha Alone World	2020395346	ZTE Corporation
2019237913	Aladdin Manufacturing Corporation	2020397127	ZTE Corporation
2019239819	Betolar Oy	2020403087	Jones Food Company Limited
2019240837	Geberit International AG	2020405945	Wonderland Switzerland AG
2019242219	Sun Chemical Corporation	2020407310	Supernova Bio Co., Ltd.
2019246837	Alector LLC	2020412907	Daikin Industries, Ltd.
2019249846	Dropworks, Inc.	2020414412	Fibox Oy AB
2019253969	Almendra Pte. Ltd.	2020416341	LG Electronics Inc.
2019258172	Daifuku Co., Ltd.	2020420364	LG Electronics Inc.
2019258173	Daifuku Co., Ltd.	2020433802	Metso Metals Oy
2019262096	Arafura Resources Limited	2020435735	NEC Corporation
2019262699	Epiroc Drilling Tools AB	2020436790	CRRC Qiqihar Rolling Stock Co., Ltd.
2019263294	Navire Pharma, Inc.	2020437162	Weber-Stephen Products LLC
2019265217	Phoenix Industries Pty Ltd	2020443560	NEC Laboratories Europe GmbH
2019269544	Infex Therapeutics Limited	2020449757	Kyocera Corporation
2019269633	Valerio, T.	2020452635	Nanjing Cavendish Bio-engineering Technology Co., Ltd.
2019271185	AMTROL Licensing Inc.	2020455508	Telefonaktiebolaget LM Ericsson (publ)
2019272481	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	2020462838	Sungrow Power Supply Co., Ltd.
2019275912	Bayer Animal Health GmbH	2020479941	DeepQure Inc.
2019278686	Nutri'Earth	2021202966	Forty Seven, Inc.
2019291163	Brill Engines, S.L.	2021203927	Eli Lilly and Company
2019291305	MedImmune Limited; Fundacio Privada Institut D' Investigació Oncològica De Vall Hebron; Fundacio Privada Institutio Catalana de Recerca I Estudis Avançats	2021205603	Apurano Pharmaceuticals GmbH
2019319230	Integrated DNA Technologies, Inc.	2021212652	EP Minerals, LLC
2019321762	Fisher & Paykel Healthcare Limited	2021214392	Fresenius Medical Care Holdings, Inc.
2019323389	Shenzhen Pregene Biopharma Co. Ltd.	2021221577	HITIQ LIMITED
2019338935	Wireman Pty Limited	2021223691	Hydro International Ltd
2019341723	Biological E Limited	2021225930	PPG Industries Ohio, Inc.
2019374785	Visa International Service Association	2021233050	Huawei Technologies Co., Ltd.
2019391942	SCOHIA PHARMA, Inc.	2021245216	Frito-Lay Trading Company GmbH
2019392179	Raytheon Company	2021245993	Automation Tech, LLC
2019433970	ZURU (SINGAPORE) PTE. LTD.	2021246951	Weatherford Technology Holdings, LLC
2019451099	Atlas Copco Airpower, Naamloze Vennootschap	2021248415	Petra Pharma Corporation
2019458755	Metso Outotec Finland Oy	2021257373	Dong-A ST Co., Ltd.
2019459427	Metso Outotec Finland Oy	2021257523	Shaanxi Giant Biotechnology Co., Ltd
2019460919	Beijing Dabeinong Biotechnology Co., Ltd.	2021257911	Wing Aviation LLC
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2020213054	Glencal Technology Co., Ltd.	2021262454	Metalogenia Research & Technologies S.L.
2020230277	The Broad Institute, Inc.; Dana-Farber Cancer Institute, Inc.; The General Hospital Corporation	2021264963	Vivo Mobile Communication Co., Ltd.
2020250266	Chugai Seiyaku Kabushiki Kaisha	2021267838	Kyocera Senco Industrial Tools, Inc.
2020252241	Universität Für Bodenkultur Wien	2021268665	Baker Hughes Oilfield Operations LLC
2020254908	Uniflex-Hydraulik GmbH	2021269385	Brandenburg Innovation Limited
2020259269	Pherin Pharmaceuticals, Inc.	2021270972	Trumer Schutzbauten GmbH
2020260440	Julius-Maximilians-Universität Würzburg	2021271289	Valunor AG
2020270007	Bridgestone Europe NV/SA	2021271378	Henan Polytechnic University
2020284102	Caterpillar Inc.	2021274468	Baker Hughes Holdings LLC
2020286302	Dana-Farber Cancer Institute, Inc.	2021274475	GEN1E Lifesciences Inc.
2020297422	Deciphera Pharmaceuticals, LLC	2021275009	The ESAB Group Inc.
2020307560	Microbiotix, Inc.	2021277697	EGAN, M.
2020309810	CMR Surgical Limited	2021283592	Hangzhou Hikvision Digital Technology Co., Ltd.
2020311873	Sapience Therapeutics, Inc.	2021284512	International Business Machines Corporation
2020312133	Inventio AG	2021286413	Geislinger Group GmbH
2020316491	Bestway Inflatables & Material Corp.	2021289054	Mitsubishi Tanabe Pharma Corporation
2020320298	Generac Power Systems, Inc.	2021296187	International Business Machines Corporation
2020323686	F. HOFFMANN-LA ROCHE AG	2021296348	Vetco Gray Scandinavia AS
2020325003	Caterpillar Inc.	2021297320	Raven Industries, Inc.
2020335163	Inventio AG	2021299167	Comvita Limited
2020338407	3M Innovative Properties Company	2021302173	Shenyang Sinochem Agrochemicals R&D Co., Ltd.; Ji-angsu Yangnong Chemical Co., Ltd.
2020339448	DeepQure Inc.	2021315589	Colgate-Palmolive Company

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<b>2021374934</b>	VICTAULIC COMPANY	<b>2022318574</b>	HELAINA, INC.
<b>2021386450</b>	JANSSEN PHARMACEUTICA NV	<b>2022329267</b>	ANZ MODULAR LIMITED
<b>2021386717</b>	HITACHI INDUSTRIAL PRODUCTS, LTD.	<b>2022338346</b>	A.C.N. 652 266 101 PTY LTD
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<b>2022200790</b>	Snap-on Incorporated	<b>2023201918</b>	Caterpillar Underground Mining Pty Ltd
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<b>2022201104</b>	Guangdong Maydos Building Materials Limited Company.	<b>2023203280</b>	Worldpay Limited
<b>2022201507</b>	Armstrong World Industries, Inc.	<b>2023203301</b>	Heraeus Medical GmbH
<b>2022201587</b>	Eddy Current Limited Partnership	<b>2023206084</b>	Stryker Corporation
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<b>2022201908</b>	Morphic Therapeutic, Inc.	<b>2023216741</b>	Merdury Biopharmaceutical Corporation
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<b>2022202119</b>	GW Research Limited		
<b>2022202174</b>	NeoVasc Tiara Inc.		
<b>2022202238</b>	Covenant Eyes, Inc.		
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<b>2022202455</b>	Biofouling Technologies, Inc.		
<b>2022202616</b>	Swell Energy Inc.		
<b>2022202805</b>	Abbott Diabetes Care Inc.		
<b>2022202995</b>	LG ELECTRONICS INC.		
<b>2022203305</b>	Karsten Manufacturing Corporation		
<b>2022203352</b>	Toshiba Energy Systems & Solutions Corporation		
<b>2022203449</b>	Applied Medical Resources Corporation		
<b>2022203591</b>	Beijing Microlive Vision Technology Co., Ltd		
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<b>2022218601</b>	The General Hospital Corporation		
<b>2022218607</b>	Apple Inc.		
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<b>2022221526</b>	Emerging Compounds Treatment Technologies, Inc.		
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<b><u>A01C 17 /-</u></b>	<b><u>A01K 55 /-</u></b>	2019278686	<b><u>A47C 5 /-</u></b>	2022202805	2019341723
2018223782	2022338346	2022204529	2018280190	<b><u>A61B 6 /-</u></b>	2019391942
<b><u>A01C 19 /-</u></b>	<b><u>A01K 59 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A47F 1 /-</u></b>	2018243634	2020259269
2018223782	2022338346	2019236720	2022202063	2018280336	2020297422
<b><u>A01D 34 /-</u></b>	<b><u>A01M 1 /-</u></b>	2021245216	<b><u>A47G 1 /-</u></b>	2018334143	2020307560
2020320298	2021269385	2021245993	2020338407	2020366205	2020369568
<b><u>A01D 69 /-</u></b>	<b><u>A01M 29 /-</u></b>	2021364620	<b><u>A47J 37 /-</u></b>	<b><u>A61B 90 /-</u></b>	2021205603
2020320298	2021269385	<b><u>A23L 7 /-</u></b>	2019200997	2020369596	2021248415
<b><u>A01G 25 /-</u></b>	<b><u>A01P 13 /-</u></b>	2021245216	2020437162	<b><u>A61D 7 /-</u></b>	2021257373
2018248978	2019460919	<b><u>A23L 9 /-</u></b>	<b><u>A47K 1 /-</u></b>	2018334143	2021257523
2018298202	2019460919	2018386625	2019240837	<b><u>A61F 13 /-</u></b>	2021260669
<b><u>A01G 31 /-</u></b>	<b><u>A01P 17 /-</u></b>	<b><u>A23N 1 /-</u></b>	<b><u>A47L 15 /-</u></b>	2018363580	2021289054
2020403087	2019460919	2018288455	2019215585	2021449207	2021299167
<b><u>A01G 7 /-</u></b>	<b><u>A21B 1 /-</u></b>	<b><u>A23N 17 /-</u></b>	<b><u>A47L 7 /-</u></b>	<b><u>A61F 2 /-</u></b>	2021386450
2018329245	2021245993	2020213054	2018294420	2022201929	2022202119
<b><u>A01G 9 /-</u></b>	<b><u>A21B 3 /-</u></b>	<b><u>A41B 11 /-</u></b>	2020449757	2022204529	2022208661
2020403087	2019200997	2021449207	2021355368	2022218601	2022220590
<b><u>A01H 1 /-</u></b>	<b><u>A21D 8 /-</u></b>	<b><u>A41D 27 /-</u></b>	2022202174	2022382622	2020407310
2017366760	2019216357	2019229760	<b><u>A61F 5 /-</u></b>	<b><u>A61K 33 /-</u></b>	2020452635
2019460919	<b><u>A23C 11 /-</u></b>	<b><u>A42B 1 /-</u></b>	2018391323	<b><u>A61K 35 /-</u></b>	
2022239047	2018386625	2022224808	2018391391	2018234933	
<b><u>A01H 5 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A42B 3 /-</u></b>	2019229760	2018299049	
2019460919	2022204529	2022224808	<b><u>A61F 9 /-</u></b>	2019323389	
2022239047	<b><u>A23K 10 /-</u></b>	<b><u>A44C 21 /-</u></b>	2018385705	2021299167	
<b><u>A01H 6 /-</u></b>	2018329245	2022201678	<b><u>A61H 1 /-</u></b>	<b><u>A61K 36 /-</u></b>	
2018329245	2018329245	<b><u>A45D 1 /-</u></b>	2019229760	2018310609	
2022239047	<b><u>A23K 20 /-</u></b>	2018387404	<b><u>A61H 1 /-</u></b>	2021205603	
<b><u>A01J 5 /-</u></b>	2019278686	<b><u>A45D 24 /-</u></b>	2019229760	2021257523	
2018341499	<b><u>A23L 2 /-</u></b>	2023202943	<b><u>A61J 1 /-</u></b>	<b><u>A61K 38 /-</u></b>	
<b><u>A01K 13 /-</u></b>	2018288455	<b><u>A46B 17 /-</u></b>	2018334143	2017282933	
2021277697	2019213886	2023202943	2022202063	2018211066	
<b><u>A01K 29 /-</u></b>	2019253969	<b><u>A47C 1 /-</u></b>	<b><u>A61J 3 /-</u></b>	2018314767	
2019275912	<b><u>A23L 27 /-</u></b>	2018280190	2023216741	2018328044	
<b><u>A01K 43 /-</u></b>	2019253969	<b><u>A47C 21 /-</u></b>	<b><u>A61J 7 /-</u></b>	2018368431	
2017440064	<b><u>A23L 29 /-</u></b>	2018332812	2018334143	<b><u>A61K 39 /-</u></b>	
<b><u>A01K 45 /-</u></b>	2021245216	<b><u>A47C 3 /-</u></b>	<b><u>A61K 31 /-</u></b>	2017217940	
2017440064	<b><u>A23L 3 /-</u></b>	2018280190	2017359333	2017302038	
			2018209592	2017312974	
			2018211066	2017359333	
			2018231842	2019291305	
			2018285342	2019323389	
			2018295899	2019341723	
			2018310609	2020230277	
			2018347460	2020286302	
			2018372753	2020366205	
			2019232704	2021203927	
			2019235912	<b><u>A61K 45 /-</u></b>	
			2019246837	2018211066	
			2019263294	<b><u>A61K 47 /-</u></b>	

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2017212739	2018230546	2017212739	<b><u>A63B 47 /-</u></b>	2019269633	<b><u>B23D 35 /-</u></b>
2018231842	2018326379	2017251250			
2018295899	2018334143	2019235912	2022287537	<b><u>B03D 1 /-</u></b>	2018302427
2019341723	2023203301	2019291305			
2021329702		2019323389	<b><u>A63B 71 /-</u></b>	2018247578	<b><u>B23P 19 /-</u></b>
2022258156	<b><u>A61N 1 /-</u></b>	2019391942		2019458755	
		2020286302	20212221577	2019459427	2018425114
<b><u>A61K 48 /-</u></b>	2018278897	2020297422			
	2018278898	2020311873	<b><u>A63F 1 /-</u></b>	<b><u>B03D 103 /-</u></b>	<b><u>B25B 21 /-</u></b>
2017217940	2020339448	2020323686	2022201678	2019458755	2022200790
2017324462	2020479941	2020366205		2019459427	
2019323389		2021202966	<b><u>A63F 3 /-</u></b>		<b><u>B25B 23 /-</u></b>
2021329702	<b><u>A61P 1 /-</u></b>	2021248415		<b><u>B05B 1 /-</u></b>	2018425114
		2021257373	2022201678		
<b><u>A61K 51 /-</u></b>	2018310609	2021260669		2018223782	
	2019391942	2021274475	<b><u>B01D 19 /-</u></b>	2019265217	<b><u>B25B 25 /-</u></b>
2017312974	2021257523	2022208661		2021297320	
2022218601			2018346606		2019338935
	<b><u>A61P 11 /-</u></b>	<b><u>A61P 37 /-</u></b>		<b><u>B05B 12 /-</u></b>	
<b><u>A61K 8 /-</u></b>	2019391942	2021257373	<b><u>B01D 21 /-</u></b>		<b><u>B25B 27 /-</u></b>
	2021274475	2021260669	2022202455	2021297320	
2018335140		2021274475			2020350090
2018415343	<b><u>A61P 13 /-</u></b>	2021289054	<b><u>B01D 24 /-</u></b>	<b><u>B05B 13 /-</u></b>	2021357436
2020407310					
	2019391942	<b><u>A61P 43 /-</u></b>	2021326446	2022279435	<b><u>B25C 1 /-</u></b>
<b><u>A61K 9 /-</u></b>		2018347460		<b><u>B05B 15 /-</u></b>	2018237783
	<b><u>A61P 17 /-</u></b>	2019391942	<b><u>B01D 33 /-</u></b>		2018311701
2018209592	2021289054	2021257373	2021326446	2022279435	2021267838
2018231842					
2018273539	<b><u>A61P 19 /-</u></b>	<b><u>A61P 7 /-</u></b>	<b><u>B01D 35 /-</u></b>	<b><u>B05B 9 /-</u></b>	<b><u>B25C 5 /-</u></b>
2020366205		2018314767		2019433970	2021267838
2020407310	2021248415	2019391942	<b><u>B01D 46 /-</u></b>	<b><u>B05D 1 /-</u></b>	<b><u>B25D 11 /-</u></b>
2021205603		2022382622		2021225930	2021267838
2021329702	<b><u>A61P 25 /-</u></b>	<b><u>A61P 9 /-</u></b>	2018263787		
2021386450		2019232704	2022202995	<b><u>B07B 1 /-</u></b>	<b><u>B25D 17 /-</u></b>
2022258156	2017282933	2019391942		2018256488	2021267838
	2019391942	2021203927	<b><u>B01D 53 /-</u></b>	2019269633	
<b><u>A61L 27 /-</u></b>	2021203927	2021386450			<b><u>B25F 1 /-</u></b>
	2021386450	2022202119	2018273827	<b><u>B07B 11 /-</u></b>	2021357436
2018271094	2022204529	2022382622	2018329245	2018256488	
2018294420	2022382622		2018346606	2019269633	<b><u>B25F 3 /-</u></b>
2018374827		<b><u>A61Q 19 /-</u></b>	2019451099		2021357436
		2020407310	2021333791	<b><u>B08B 7 /-</u></b>	
<b><u>A61M 1 /-</u></b>	<b><u>A61P 27 /-</u></b>		2022224836		<b><u>B25F 3 /-</u></b>
		<b><u>A61Q 5 /-</u></b>		2023216741	
2021214392	2018234933	2018335140	<b><u>B01D 65 /-</u></b>		<b><u>B25H 3 /-</u></b>
2022200490	2021260669	2018415343		<b><u>B09B 3 /-</u></b>	2022204852
			2022202455	2020213054	
<b><u>A61M 15 /-</u></b>	<b><u>A61P 29 /-</u></b>	<b><u>A62B 1 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B21D 39 /-</u></b>	<b><u>B25J 9 /-</u></b>
		2022201587			2019269633
2022203725	2018372753		2021333791	2020254908	
	2019391942	<b><u>A62C 3 /-</u></b>	<b><u>B01D 71 /-</u></b>	<b><u>B21D 43 /-</u></b>	<b><u>B26B 19 /-</u></b>
<b><u>A61M 16 /-</u></b>	2020259269	2019212923			2018235998
	2021274475	<b><u>A62C 35 /-</u></b>	<b><u>B01F 25 /-</u></b>	2018344956	<b><u>B28B 1 /-</u></b>
2018263267	2021299167				
2019321762		<b><u>A62C 37 /-</u></b>	2019249846	<b><u>B23D 17 /-</u></b>	2018314850
2022200565		2019212923			
	<b><u>A61P 3 /-</u></b>		<b><u>B01J 20 /-</u></b>	2018302427	<b><u>B26B 19 /-</u></b>
<b><u>A61M 21 /-</u></b>		<b><u>A62C 35 /-</u></b>			2018235998
	2019391942	2019212923	<b><u>B01F 25 /-</u></b>	<b><u>B23D 17 /-</u></b>	
2018332812	2020369568				
	2020407310	<b><u>A62C 37 /-</u></b>	2019249846	<b><u>B23D 21 /-</u></b>	<b><u>B28C 5 /-</u></b>
<b><u>A61M 25 /-</u></b>	2021248415				2018314850
	2022208661	<b><u>A63B 21 /-</u></b>	2021212652	2018302427	2018314850
2018303661		2019229760			
2022202174	<b><u>A61P 31 /-</u></b>		<b><u>B01L 3 /-</u></b>	<b><u>B23D 29 /-</u></b>	<b><u>B28C 7 /-</u></b>
		<b><u>A63B 23 /-</u></b>	2018301300		
<b><u>A61M 39 /-</u></b>	2018285342		<b><u>B03B 4 /-</u></b>	2018302427	2018314850
	2018372753	2019229760			
2018334143	2019269544				
2019321762	2021274475				
2022200490					
	<b><u>A61P 35 /-</u></b>	2019229760			
<b><u>A61M 5 /-</u></b>					

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<b><u>B29B 7 /-</u></b>	<b><u>B60D 1 /-</u></b>	<b><u>B63G 7 /-</u></b>		2022221526	<b><u>C07C 43 /-</u></b>
2017221888	2022246428	2018385669	<b><u>B65G 19 /-</u></b>		2020391106
			2022200412	<b><u>C02F 101 /-</u></b>	
<b><u>B29C 35 /-</u></b>	<b><u>B60K 1 /-</u></b>	<b><u>B64C 1 /-</u></b>		2018358898	<b><u>C07D 207 /-</u></b>
2019201613	2019200049	2018271233	<b><u>B65G 21 /-</u></b>	<b><u>C02F 3 /-</u></b>	2019232704
			2018219983	201326446	2019269544
<b><u>B29C 64 /-</u></b>	<b><u>B60L 7 /-</u></b>	<b><u>B64C 3 /-</u></b>	2019258173		2021274475
2018279618	2022201587	2018271233	<b><u>B65G 33 /-</u></b>	<b><u>C03B 19 /-</u></b>	<b><u>C07D 211 /-</u></b>
2018289930			2020437162	2021271289	2021274475
2018314850	<b><u>B60P 7 /-</u></b>	<b><u>B64C 39 /-</u></b>			
	2017200142	2019275912	<b><u>B65G 47 /-</u></b>	<b><u>C03B 40 /-</u></b>	<b><u>C07D 229 /-</u></b>
		2021257911		2022279435	2018333051
<b><u>B29C 70 /-</u></b>	<b><u>B60W 40 /-</u></b>	2022344803	2017440064		
2018317940			2019258172	<b><u>C03C 1 /-</u></b>	<b><u>C07D 235 /-</u></b>
	2019206628	<b><u>B64D 1 /-</u></b>	2019258173		
<b><u>B29D 23 /-</u></b>	2020270007			2021271289	2018399624
2017256819		2021257911	<b><u>B65G 67 /-</u></b>	<b><u>C03C 11 /-</u></b>	
	<b><u>B60W 50 /-</u></b>	2022344803			<b><u>C07D 239 /-</u></b>
<b><u>B29K 21 /-</u></b>			2020436790	2021271289	
2019201613	2019206628	<b><u>B64D 47 /-</u></b>			2020297422
			<b><u>B66B 1 /-</u></b>	<b><u>C04B 12 /-</u></b>	2021274475
<b><u>B30B 7 /-</u></b>	<b><u>B61D 11 /-</u></b>	2022203756	2020312133		2021302173
2020254908	2020436790	<b><u>B65B 25 /-</u></b>	2020335163	2019239819	<b><u>C07D 241 /-</u></b>
		2018218796	<b><u>B66B 3 /-</u></b>	<b><u>C04B 28 /-</u></b>	2021274475
<b><u>B32B 1 /-</u></b>	<b><u>B61D 15 /-</u></b>				
2017256819	2018392231	<b><u>B65B 3 /-</u></b>	2020312133	2019239819	<b><u>C07D 249 /-</u></b>
		2018334143	<b><u>B66C 1 /-</u></b>	<b><u>C04B 7 /-</u></b>	2022382622
<b><u>B32B 27 /-</u></b>	<b><u>B61D 17 /-</u></b>				
2018369626	2018392231	<b><u>B65B 31 /-</u></b>	2018313708	2019239819	<b><u>C07D 265 /-</u></b>
	2020436790				
<b><u>B32B 3 /-</u></b>	<b><u>B61D 3 /-</u></b>	2018218796	<b><u>B66F 17 /-</u></b>	<b><u>C05F 3 /-</u></b>	2021274475
2018271233	2020436790				
		2018334143	<b><u>B66F 3 /-</u></b>	2018329245	<b><u>C07D 267 /-</u></b>
<b><u>B32B 7 /-</u></b>	<b><u>B61D 7 /-</u></b>				
2017256819	2020436790	<b><u>B65B 57 /-</u></b>	2018241131	<b><u>C06B 31 /-</u></b>	2020391106
					2021274475
<b><u>B33Y 10 /-</u></b>	<b><u>B62B 1 /-</u></b>	2018218796	<b><u>B66F 9 /-</u></b>	2019207518	<b><u>C07D 295 /-</u></b>
2018289930	2022338346	2018334143		<b><u>C07C 215 /-</u></b>	2021274475
			2018392231	2022258156	2021329702
<b><u>B33Y 30 /-</u></b>	<b><u>B62B 7 /-</u></b>	<b><u>B65B 61 /-</u></b>	2019202041		
2018279618	2017327604	2018218796	<b><u>C01B 3 /-</u></b>	<b><u>C07C 229 /-</u></b>	<b><u>C07D 307 /-</u></b>
2018314850		2018334143		2018372753	2022202240
2023216741	<b><u>B62D 1 /-</u></b>		<b><u>C01B 32 /-</u></b>	2021329702	
		2018334143		2022258156	<b><u>C07D 401 /-</u></b>
<b><u>B33Y 40 /-</u></b>	2017276156	<b><u>B65D 43 /-</u></b>	2018273827	<b><u>C07C 233 /-</u></b>	2019232704
2023216741	<b><u>B62D 21 /-</u></b>	2022200565			2019269544
			<b><u>C01B 33 /-</u></b>	2021329702	2020297422
<b><u>B33Y 70 /-</u></b>	2017276156	<b><u>B65D 5 /-</u></b>	2021271289	<b><u>C07C 237 /-</u></b>	2020369568
2018289930	2019200049				2021289054
		2019200997	<b><u>C01F 17 /-</u></b>	2022258156	2022201908
	<b><u>B62D 55 /-</u></b>				2022201929
<b><u>B60B 21 /-</u></b>		<b><u>B65D 83 /-</u></b>	2019262096	<b><u>C07C 255 /-</u></b>	<b><u>C07D 403 /-</u></b>
2018317940	2020284102	2018248978	2020452635		
	2020325003	2023202943		2021329702	2019232704
<b><u>B60B 33 /-</u></b>	<b><u>B63B 21 /-</u></b>		<b><u>C01G 53 /-</u></b>	<b><u>C07C 259 /-</u></b>	2019269544
2020405945	2018332581	<b><u>B65F 1 /-</u></b>	2023222911		2020297422
		2023202943		2022218601	2020369568
<b><u>B60B 5 /-</u></b>	<b><u>B63B 22 /-</u></b>		<b><u>C02F 1 /-</u></b>	<b><u>C07C 381 /-</u></b>	<b><u>C07D 405 /-</u></b>
2018317940	2018296421	<b><u>B65G 1 /-</u></b>	2018337816		2019232704
			2018358898	2020391106	2020369568
		2020403087	2022202455		

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2021248415	<b><u>C07K 14 /-</u></b>	<b><u>C09D 11 /-</u></b>	<b><u>C10M 133 /-</u></b>	2022204182	2018399624
<b><u>C07D 409 /-</u></b>	2017341849	2018289930	2021340933	2023210593	<b><u>C25B 1 /-</u></b>
2019232704	2017345479	2019242219	<b><u>C10M 137 /-</u></b>	<b><u>C12N 5 /-</u></b>	2022203352
<b><u>C07D 413 /-</u></b>	2018368431	<b><u>C09D 127 /-</u></b>	2021340933	2017345479	<b><u>C25B 15 /-</u></b>
2019232704	2020250266	2018369626	<b><u>C10M 147 /-</u></b>	2018299049	2022203352
2020369568	2020311873	<b><u>C09D 163 /-</u></b>	2020412907	2018328044	<b><u>D04H 1 /-</u></b>
2021302173	2022204182	2021225930	<b><u>C10M 159 /-</u></b>	2018398050	2019460919
<b><u>C07D 417 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C09D 167 /-</u></b>	2020412907	2019323389	<b><u>D04H 11 /-</u></b>
2019232704	2017214251	2022201507	<b><u>C10M 169 /-</u></b>	2019460919	2019237913
2019269544	2017226960	<b><u>C09D 171 /-</u></b>	2021340933	<b><u>C12N 9 /-</u></b>	<b><u>D05C 17 /-</u></b>
2020369568	2017251250	2021225930	<b><u>C10M 171 /-</u></b>	2017366760	2019237913
<b><u>C07D 471 /-</u></b>	2017283470	<b><u>C09D 175 /-</u></b>	2020412907	2018393075	<b><u>D06F 33 /-</u></b>
2019272481	2017283470	2022201507	<b><u>C10M 20 /-</u></b>	2019319230	2019215585
2019391942	2017312974	<b><u>C09D 177 /-</u></b>	2021340933	2022200861	<b><u>D06F 39 /-</u></b>
2020369568	2017345479	2019242219	<b><u>C10N 30 /-</u></b>	2019223155	2019215585
2021248415	2019246837	<b><u>C09D 193 /-</u></b>	2020412907	<b><u>C12P 7 /-</u></b>	<b><u>D06N 7 /-</u></b>
2021257373	2019291305	2019242219	2021340933	2018270106	2019237913
2022201908	2019323389	<b><u>C09D 5 /-</u></b>	<b><u>C10N 40 /-</u></b>	2018393075	<b><u>D06P 1 /-</u></b>
2022201929	2019323389	2018274905	2020412907	<b><u>C12Q 1 /-</u></b>	<b><u>D06P 3 /-</u></b>
<b><u>C07D 487 /-</u></b>	2020230277	2021225930	2021340933	2017366760	2019220211
2019235912	2020250266	2022201104	<b><u>C11D 1 /-</u></b>	2018270106	<b><u>D06P 3 /-</u></b>
2019263294	2020260440	2022201507	2018266305	2019460919	2019220211
2019272481	2020286302	<b><u>C09D 197 /-</u></b>	<b><u>C11D 11 /-</u></b>	2023210593	<b><u>E01B 29 /-</u></b>
<b><u>C07D 491 /-</u></b>	2020323686	2019242219	2018266305	<b><u>C14C 3 /-</u></b>	2018425114
2019391942	2020366205	<b><u>C09D 199 /-</u></b>	<b><u>C11D 3 /-</u></b>	2019220211	<b><u>E01C 19 /-</u></b>
2021274475	2021202966	2018266305	2018266305	<b><u>C21C 5 /-</u></b>	<b><u>E01F 7 /-</u></b>
<b><u>C07D 493 /-</u></b>	2021203927	<b><u>C09G 1 /-</u></b>	<b><u>C12G 1 /-</u></b>	2020433802	2021270972
2020369568	2022204182	2018266305	2018288455	<b><u>C22B 3 /-</u></b>	<b><u>E02F 3 /-</u></b>
<b><u>C07D 498 /-</u></b>	2019323389	<b><u>C09J 7 /-</u></b>	<b><u>C12M 3 /-</u></b>	2018247578	2018356833
2019391942	<b><u>C07K 7 /-</u></b>	2018369626	2018398050	2019262096	<b><u>E02F 9 /-</u></b>
2021274475	2018328044	<b><u>C09K 3 /-</u></b>	<b><u>C12N 1 /-</u></b>	2023222911	2021262454
<b><u>C07D 493 /-</u></b>	2018328044	2020412907	2018270106	<b><u>C22B 34 /-</u></b>	<b><u>E03C 1 /-</u></b>
2020369568	<b><u>C08B 37 /-</u></b>	<b><u>C09K 5 /-</u></b>	<b><u>C12N 15 /-</u></b>	2018275187	2019240837
<b><u>C07D 498 /-</u></b>	2019341723	2020412907	2017217940	<b><u>C22C 38 /-</u></b>	<b><u>E03F 1 /-</u></b>
2019391942	<b><u>C08F 114 /-</u></b>	<b><u>C09K 8 /-</u></b>	2017324462	2017419293	2021326446
2020391106	2018369626	2020372299	2017341849	<b><u>C23C 24 /-</u></b>	<b><u>E03F 5 /-</u></b>
<b><u>C07D 513 /-</u></b>	<b><u>C08F 14 /-</u></b>	<b><u>C10G 3 /-</u></b>	2017366760	2017419293	2021223691
2020391106	2018369626	<b><u>C10M 101 /-</u></b>	2019319230	<b><u>C23F 11 /-</u></b>	<b><u>E03F 9 /-</u></b>
<b><u>C07D 515 /-</u></b>	<b><u>C08F 8 /-</u></b>	2018329245	2019323389		
2020391106	2018398050	<b><u>C10M 105 /-</u></b>	2019460919		
<b><u>C07D 519 /-</u></b>	<b><u>C08J 9 /-</u></b>	2021340933	2020252241		
2019235912	2018374827	<b><u>C10M 129 /-</u></b>	2022200861		
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2022318574	2021212652				

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<b><u>E04B 1 /-</u></b>	<b><u>E21B 33 /-</u></b>	2022329267	<b><u>F24F 3 /-</u></b>	2018240334	2022224842
2021374934	2018293447	<b><u>F16B 7 /-</u></b>	2019451099	<b><u>F41H 5 /-</u></b>	<b><u>G01R 31 /-</u></b>
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<b><u>E04G 21 /-</u></b>	2021274468	<b><u>F16C 33 /-</u></b>	<b><u>F24H 1 /-</u></b>	2022224842	2020462838
2018313708	2021296348	2019203545	<b><u>F25B 1 /-</u></b>	<b><u>F42D 5 /-</u></b>	<b><u>G01S 1 /-</u></b>
<b><u>E04H 17 /-</u></b>	<b><u>E21B 34 /-</u></b>	2019242219	2022272956	2022272956	2023200489
2019338935	2021246951	<b><u>F16D 1 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01C 21 /-</u></b>	2023200489
2023226640	2021296348	2021286413	<b><u>F25B 49 /-</u></b>	2019207463	<b><u>G01S 13 /-</u></b>
<b><u>E04H 4 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16D 59 /-</u></b>	2020412907	<b><u>G01C 22 /-</u></b>	2023200489
2020316491	2018346606	2022201587	2020412907	2019207463	<b><u>G01V 1 /-</u></b>
2022209329	2021268665	<b><u>F16H 1 /-</u></b>	<b><u>F25C 1 /-</u></b>	2019207463	2022344803
<b><u>E05B 15 /-</u></b>	<b><u>E21B 44 /-</u></b>	2022200790	<b><u>F25C 5 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G02B 23 /-</u></b>
2018367291	2023210570	<b><u>F16J 15 /-</u></b>	2022204813	2018356358	2022200490
<b><u>E05B 17 /-</u></b>	<b><u>E21B 7 /-</u></b>	2022204813	<b><u>F25D 13 /-</u></b>	<b><u>G01J 9 /-</u></b>	<b><u>G02B 6 /-</u></b>
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<b><u>E05B 63 /-</u></b>	2023210570	2022201961	<b><u>G01L 5 /-</u></b>	<b><u>G01L 5 /-</u></b>	2018322883
2018367291	<b><u>E21C 35 /-</u></b>	<b><u>F16K 21 /-</u></b>	2021364620	2021357436	<b><u>G03H 1 /-</u></b>
<b><u>E05B 65 /-</u></b>	2022200412	2022307322	<b><u>F25D 17 /-</u></b>	<b><u>G01M 3 /-</u></b>	2020369596
2018392231	<b><u>E21D 20 /-</u></b>	2018332812	2018332812	2019212923	<b><u>G05B 19 /-</u></b>
2020414412	2021271378	2021364620	2021364620	<b><u>G01N 17 /-</u></b>	2020254908
<b><u>E05B 83 /-</u></b>	<b><u>E21D 21 /-</u></b>	<b><u>F25D 21 /-</u></b>	<b><u>F25D 21 /-</u></b>	2019212923	<b><u>G05B 23 /-</u></b>
2018392231	2019262699	2018263787	<b><u>F25D 23 /-</u></b>	<b><u>G01N 21 /-</u></b>	2019206628
<b><u>E05D 3 /-</u></b>	<b><u>F01L 3 /-</u></b>	<b><u>F16L 23 /-</u></b>	2021364620	2017214541	<b><u>G05D 1 /-</u></b>
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<b><u>E05D 7 /-</u></b>	<b><u>F01P 11 /-</u></b>	<b><u>F16L 3 /-</u></b>	2022202995	2018322883	<b><u>G05D 16 /-</u></b>
2018251945	<b><u>F01P 7 /-</u></b>	2022203305	<b><u>F25D 27 /-</u></b>	2018356358	<b><u>G05D 16 /-</u></b>
2022200565	2022266556	2022201985	<b><u>F25D 29 /-</u></b>	<b><u>G01N 30 /-</u></b>	2021275009
<b><u>E06B 9 /-</u></b>	<b><u>F03C 1 /-</u></b>	2017256819	2022215791	<b><u>G01N 31 /-</u></b>	<b><u>G05D 17 /-</u></b>
2018203526	<b><u>F03D 80 /-</u></b>	2018332812	<b><u>G01N 31 /-</u></b>	2022202616	2022202616
<b><u>E21B 15 /-</u></b>	2019202041	2022201985	2018337816	<b><u>G05D 23 /-</u></b>	2022202455
2021271378	<b><u>F04C 14 /-</u></b>	2022202995	2022202455	2018387404	<b><u>G05D 3 /-</u></b>
<b><u>E21B 17 /-</u></b>	<b><u>F04C 14 /-</u></b>	2019271185	<b><u>F25J 3 /-</u></b>	2017214541	2022202616
2018296421	2020375666	<b><u>F21V 21 /-</u></b>	2022267658	2017226960	2022202616
<b><u>E21B 19 /-</u></b>	<b><u>F03D 80 /-</u></b>	2022224808	<b><u>F27D 3 /-</u></b>	2017282933	<b><u>G05D 5 /-</u></b>
2023210570	<b><u>F04C 14 /-</u></b>	<b><u>F23B 40 /-</u></b>	2020433802	2018292279	2022202616
<b><u>E21B 21 /-</u></b>	2019202041	2020437162	<b><u>F28F 1 /-</u></b>	2018347460	2022202616
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2022307322	2019202041	2021245993	<b><u>F28F 9 /-</u></b>	2018337816	2022202616
<b><u>E21B 23 /-</u></b>	<b><u>F15B 15 /-</u></b>	<b><u>F24F 1 /-</u></b>	2019203545	<b><u>G01R 15 /-</u></b>	<b><u>G06F 11 /-</u></b>
2018293447	<b><u>F15B 21 /-</u></b>	2022202995	<b><u>F41B 9 /-</u></b>	2022224842	2022202238
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2018282400	<b><u>G08G 5 /-</u></b>	<b><u>H02B 1 /-</u></b>	2019471690	<b><u>H04W 8 /-</u></b>
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<b><u>G06F 3 /-</u></b>	2018265811 2022203449 2022203874	2021357436	<b><u>H04L 67 /-</u></b>	2021264963 2022272956
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<b><u>G06F 9 /-</u></b>	2020369596	2022374190	<b><u>H04L 9 /-</u></b>	2021245993
2019374785 2019392179 2022203591	<b><u>G10L 15 /-</u></b>	<b><u>H02J 3 /-</u></b>	2018282400 2020309810 2024200502	<b><u>H05K 5 /-</u></b>
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<b><u>G06Q 10 /-</u></b>	2020443560	<b><u>H02K 16 /-</u></b>	<b><u>H04N 13 /-</u></b>	
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<b><u>G06Q 50 /-</u></b>	2020309810	2021386717	2020355591 2020392150 2020395346 2020416341 2020420364	
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<b><u>G06T 17 /-</u></b>	<b><u>G16H 15 /-</u></b>	<b><u>H02K 7 /-</u></b>	<b><u>H04N 7 /-</u></b>	
2022203756	2020309810	2022201587	2020435735 2022252735	
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<b><u>G06T 5 /-</u></b>	<b><u>G16H 30 /-</u></b>	<b><u>H02P 6 /-</u></b>	<b><u>H04R 25 /-</u></b>	
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<b><u>G07C 5 /-</u></b>	<b><u>H01B 13 /-</u></b>	<b><u>H02S 20 /-</u></b>	<b><u>H04W 12 /-</u></b>	
2019206628	2019201613	2022272956	2023200489	
<b><u>G07C 9 /-</u></b>	<b><u>H01B 9 /-</u></b>	<b><u>H02S 50 /-</u></b>	<b><u>H04W 36 /-</u></b>	
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	<b><u>H01J 35 /-</u></b>	2019269633	2021264963 2022272956 2023200489	
	2021323079	<b><u>H03K 7 /-</u></b>	<b><u>H04W 72 /-</u></b>	
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**Certified Innovation Patents**

**Name Index**

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

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(71) CRIME SCAN PTY LTD  
 (11) AU-B-2021107240  
 (21) 2021107240 (22) 25.08.2021  
 (54) Mobile Telecommunications Platform  
 (51) Int. Cl.  
     *H04W 84/04* ( 2009.01 )  
     *B64C 39/02* ( 2023.01 )  
     *H04B 7/185* ( 2006.01 )  
     *H04W 24/02* ( 2009.01 )  
     *G05D 1/00* ( 2006.01 )  
     *G05D 1/221* ( 2024.01 )  
     *G05D 1/46* ( 2024.01 )  
 (31) 2021902427 (32) 05.08.21 (33) AU  
 (45) 21.03.2024  
 (72) Gaunt, Kristen John; Lorkin, Jake  
 (74) Golja Haines & Friend

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(71) Reflex Instruments Asia Pacific Pty Ltd  
 (11) AU-B-2021107181  
 (21) 2021107181 (22) 25.08.2021  
 (54) METHOD AND SYSTEM FOR AC-  
 QUIRING GEOLOGICAL DATA FROM  
 A BORE HOLE  
 (51) Int. Cl.  
     *E21B 47/013* ( 2012.01 )  
     *E21C 41/16* ( 2006.01 )  
     *E21C 41/26* ( 2006.01 )  
     *F42D 3/04* ( 2006.01 )  
     *G01V 1/46* ( 2006.01 )  
     *E21B 7/02* ( 2006.01 )  
 (45) 21.03.2024  
 (72) Lawie, David Charles; Jackson, John  
     Carl  
 (74) AJ PARK

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(71) Scott Automation & Robotics Pty Ltd  
 (11) AU-B-2023100082  
 (21) 2023100082 (22) 15.09.2023  
 (54) A CARCASS PROCESSING SYSTEM  
 AND METHOD  
 (51) Int. Cl.  
     *A22C 17/02* ( 2006.01 )  
     *A22B 5/00* ( 2006.01 )  
     *A22B 7/00* ( 2006.01 )  
     *A22C 15/00* ( 2006.01 )  
     *G01N 21/00* ( 2006.01 )  
     *G01N 23/00* ( 2006.01 )  
 (45) 21.03.2024  
 (62) 2023226682  
 (72) Campbell, Clyde  
 (74) ET Intellectual Property

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**2021107181** Reflex Instruments Asia Pacific Pty Ltd  
**2021107240** CRIME SCAN PTY LTD  
**2023100082** Scott Automation & Robotics Pty Ltd

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**Patents Granted**

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2016293391	2016343987	2016353153	2016354590
2016423814	2017218981	2017225907	2017233542
2017250815	2017261598	2017270234	2017271665
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2018358053	2018359413	2018363682	2018363686
2018365296	2018369417	2018370004	2018375154
2018377063	2018378615	2018379529	2018380902
2018382528	2018382999	2018386296	2018388869
2018390995	2018393990	2018395285	2018399088
2018400304	2018401519	2018402344	2018428043
2018454681	2018455892	2019201770	2019203796
2019204570	2019206533	2019209214	2019209960
2019210326	2019212304	2019214081	2019217488
2019217489	2019222274	2019224639	2019229859
2019231196	2019234203	2019234670	2019235250
2019236279	2019239842	2019243987	2019247904
2019250231	2019260343	2019263953	2019265221
2019269409	2019269740	2019272434	2019286648
2019286882	2019297054	2019299339	2019311207
2019316258	2019326548	2019327425	2019333292
2019337051	2019357933	2019363542	2019369516
2019370644	2019372642	2019382515	2019383423
2019384492	2019384564	2019384619	2019390669
2019397944	2019401811	2019413682	2019417735
2019419322	2019431382	2019441241	2019444087
2019461859	2019479043	2020202970	2020206492
2020217402	2020231134	2020232135	2020233003
2020234831	2020239636	2020245943	2020247428
2020248612	2020255063	2020256986	2020257519
2020259973	2020260255	2020266444	2020267164
2020267304	2020267758	2020270993	2020276701
2020283364	2020284400	2020288046	2020290306
2020298073	2020299538	2020308642	2020315498
2020317072	2020318106	2020321555	2020322690
2020322990	2020324446	2020326325	2020327947
2020331330	2020333152	2020333348	2020341540

**Patents Granted**

**Standard Patents**

2020342033	2020343996	2020347095	2020357330
2020357804	2020361848	2020362530	2020362824
2020363882	2020364335	2020366615	2020367980
2020368222	2020369825	2020370820	2020374347
2020378113	2020379285	2020382999	2020385550
2020385682	2020389138	2020389633	2020390079
2020392064	2020392730	2020393845	2020395508
2020396084	2020399273	2020406770	2020406865
2020407504	2020411056	2020412588	2020417087
2020419402	2020422535	2020422732	2020426056
2020426828	2020427452	2020428814	2020434084
2020436409	2020448642	2020451276	2020457289
2020462910	2020469502	2020470228	2020481952
2021202899	2021203084	2021203877	2021204169
2021204329	2021204706	2021207714	2021207726
2021208295	2021208613	2021212008	2021212154
2021212559	2021214394	2021217182	2021221379
2021223210	2021223401	2021224058	2021226961
2021227739	2021229155	2021229177	2021229230
2021229480	2021232687	2021232835	2021233125
2021235647	2021237559	2021240179	2021240241
2021240254	2021245098	2021245109	2021245134
2021245150	2021245220	2021245235	2021247761
2021250871	2021250881	2021250891	2021250931
2021254626	2021254644	2021254646	2021258035
2021258092	2021258384	2021259316	2021261539
2021261873	2021261973	2021262517	2021268103
2021268768	2021269326	2021269419	2021269420
2021271815	2021275032	2021278825	2021283000
2021285843	2021286260	2021286408	2021292219
2021296379	2021306197	2021318184	2021325826
2021329483	2021343968	2021347112	2021349770
2021354977	2021356875	2021375080	2021392700
2021402802	2021404855	2021404856	2021418416
2022200073	2022200076	2022200280	2022200405
2022200498	2022200585	2022200969	2022201229
2022201242	2022201445	2022201463	2022201566
2022201701	2022201849	2022201893	2022201916
2022202011	2022202033	2022202434	2022202498
2022202619	2022202796	2022202810	2022202919
2022203196	2022203231	2022203359	2022203380
2022203409	2022203569	2022203603	2022203812
2022203890	2022203934	2022203944	2022204071
2022204076	2022204081	2022204250	2022204307
2022204377	2022204428	2022204616	2022204626
2022204658	2022204691	2022205155	2022205218
2022205239	2022206791	2022206808	2022212761
2022215252	2022215305	2022218563	2022221545
2022224091	2022228092	2022228111	2022228124
2022228136	2022228169	2022228189	2022235571
2022235609	2022235624	2022239291	2022241590
2022241594	2022241606	2022242243	2022250095
2022251836	2022252853	2022256236	2022257615
2022258476	2022268354	2022279500	2022283615
2022283706	2022287595	2022291506	2022291656
2022393856	2023200024	2023200989	2023201026
2023201195	2023201754	2023202061	2023202547
2023203422	2023203445	2023203929	2023204613
2023208091	2023222931	2023254913	2023254976
2023258365			

**Innovation Patents**

2020104499	2024100004	2024100005	2024100006
2024100007	2024100008	2024100009	2024100010
2024100011			

**Assignments Registered**

2007252290 SurgeTech, LLC The patent has been assigned to **SurgeTech M LLC**

2008270895 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2008270896 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2008270956 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2008270959 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2008270967 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2008311812 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2009257951 Dreco Energy Services ULC The patent has been assigned to **NOV Canada ULC**

2009338743 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2010299607 Upsher-Smith Laboratories, LLC The patent has been assigned to **TONIX MEDICINES, INC.**

2012324492 Koninklijke Philips N.V.; Koninklijke Douwe Egberts B.V. The patent has been assigned to **Koninklijke Douwe Egberts B.V.; Versuni Holding B.V.**

2013201918 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2013202611 Voxer IP LLC The patent has been assigned to **Meta Platforms, Inc.**

2013204543 Sipco Pty Ltd The patent has been assigned to **Cotton Picking Mind Limited Partnership**

2014307938 Gynea Laboratorios, S.L. The patent has been assigned to **AB-BIOTICS, S.A.**

2015255267 Dreco Energy Services ULC The patent has been assigned to **NOV Canada ULC**

2016102381 Sipco Pty Ltd The patent has been assigned to **Cotton Picking Mind Limited Partnership**

2016203099 Sipco Pty Ltd The patent has been assigned to **Cotton Picking Mind Limited Partnership**

2017219041 Koninklijke Philips N.V.; Koninklijke Douwe Egberts B.V. The patent has been assigned to **Koninklijke Douwe Egberts B.V.; Versuni Holding B.V.**

2018220046 Tyco Fire & Security GmbH The patent has been assigned to **Sensormatic Electronics, LLC**

2019101266 Sipco Pty Ltd The patent has been assigned to **Cotton Picking Mind Limited Partnership**

2020104130 Sipco Pty Ltd The patent has been assigned to **Cotton Picking Mind Limited Partnership**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

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

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

2020201153 **Seagen Inc.; Agensys, Inc.**

The earliest first regulatory approval date provided by the patentee 07 Jul 2022

For the goods PADCEV enfortumab vedotin

Address for service : FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

**Extensions granted**

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

2020205297 **Auspex Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 02 Jun 2021

For the goods AUSTEDO deutetrabenazine

Extension of Term of patent pursuant to Section 77 expires on 02 Jun 2036

**Corrigenda**

In Vol 57 , No 48 , Page(s) 6934 under the heading **Amendments - Application for Amendments** Under the name Clinuvel Pharmaceuticals Limited., Application No. 2014304566, under INID (72) correct the co-inventor to Wolgen, Philippe

In Vol 58 , No 3 , Page(s) 242 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2021** Delete all reference to 2021107181.

**Specifications Republished**

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

2018327996 **BASF Corporation; BASF SE**  
 2019231422 **The University of Tokyo**  
 2020345649 **WALL TECHNOLOGIES PTY LTD**  
 2020468179 **NYXOAH SA**  
 2021338925 **MINTEK**  
 2021344164 **AXCESO BIOPHARMA CO.,LTD.**  
 2021345508 **ZENTEK LTD.**  
 2021350294 **TRISCO ICAP PTY LTD**  
 2021362645 **HAYS, D.; HARRIS, J.**  
 2021362650 **BECTON, DICKINSON AND COMPANY**  
 2021367303 **KPR U.S., LLC**  
 2021410394 **SAMSUNG ELECTRONICS CO., LTD.**  
 2022201413 **F. Hoffmann-La Roche AG**  
 2022201724 **RQX PHARMACEUTICALS, INC.; GENENTECH, INC.**