



**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 (Supplement) 13 April 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***CareFusion 303, Inc. [2023] APO 17***

Patent Application: 2020210162

Title: Medication preparation queue

Patent Applicant: CareFusion 303, Inc.

Delegate: Greg Powell

Decision Date: 30 March 2023

Hearing Date: 14 February 2023, by Video Conference. Further submissions filed 24 February 2023

Catchwords: PATENTS – examiner objection – whether claims are for a manner of manufacture – substance of the invention is a scheme – claims are not for a manner of manufacture – no patentable subject matter identified in the specification – application refused – issue estoppel

Representation: Patent attorneys for the applicant: Michelle Catto, Manuel Schmidt and Rowena Wilson of FB Rice Pty Ltd

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 13 April 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Marlow Foods Limited v The Fynder Group, Inc. [2023] APO 18***

Patent Application: 2017227612

Title: Filamentous fungal biomats, methods of their production and methods of their use

Patent Applicant: The Fynder Group, Inc.

Opponent: Marlow Foods Limited

Delegate: Dr A. Lim

Decision Date: 4 April 2023

Hearing Date: 15 February 2023, via video conference

Catchwords: PATENTS – section 59 – opposition to the grant of a patent – amendments filed during opposition – it has not been established that any of the claims fail to comply with the grounds of manner of manufacture, novelty, inventive step, utility, sufficiency, disclosure of best method, support, and clarity – opposition unsuccessful – split award of costs

Representation: Counsel for the applicant: Mr Ben Fitzpatrick  
Patent attorney for the applicant: Mr Mark O’ Donnell and Dr Michael Dow from Madderns Pty Ltd  
No written submissions were filed by the opponent.

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 28 Mar 2023 .

<hr/> <p>(71) ACTIONLASER PTY LIMITED (21) 2023900891 (22) 30.03.2023 (54) IMPROVED REMOVAL OF DROSS WHEN CUTTING OR DRILLING WITH LASERS</p> <hr/> <p>(71) Aecominc (21) 2023900836 (22) 25.03.2023 (54) Aecominc - a state of economic prosperity.</p> <hr/> <p>(71) ALGOFORCE PTY LTD (21) 2023900847 (22) 27.03.2023 (54) NEW METHOD FOR DETECTING FAST TIME CONSTANT TARGETS USING A TIME DOMAIN METAL DETECTOR</p> <hr/> <p>(71) BHP Innovation Pty Ltd (21) 2023900875 (22) 29.03.2023 (54) Leaching Process</p> <hr/> <p>(71) Blustery Bee Farm (21) 2023900881 (22) 29.03.2023 (54) Bee Smoker</p> <hr/> <p>(71) Brigante, D. (21) 2023900837 (22) 26.03.2023 (54) Clip-On Earring Charms &amp; Pendants</p> <hr/> <p>(71) Burnett, J. (21) 2023900861 (22) 28.03.2023 (54) An Internet resource locating system</p> <hr/> <p>(71) Bye, E. (21) 2023900855 (22) 27.03.2023 (54) Pattern Cube</p> <hr/>	<p>(71) Catalyst design (21) 2023900871 (22) 28.03.2023 (54) Road signage traffic weight</p> <hr/> <p>(71) ClearVue Technologies Ltd (21) 2023900852 (22) 27.03.2023 (54) A WINDOW UNIT FOR A BUILDING OR STRUCTURE</p> <hr/> <p>(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023900877 (22) 29.03.2023 (54) Vehicle</p> <hr/> <p>(71) Containermax Pty Ltd (21) 2023900886 (22) 29.03.2023 (54) Systems and methods for supporting freight</p> <hr/> <p>(71) Contoleon, G. (21) 2023900808 (22) 22.03.2023 (54) Identification of gold and precious metal bearing sites of mainly fine metallic particles and associated advances in extraction</p> <hr/> <p><b>Cunningham, C. see Sidhu, K.</b> (21) 2023900864</p> <hr/> <p>(71) Davis, J. (21) 2023900812 (22) 23.03.2023 (54) PROCESS FOR EXTRACTION OF CBD OIL</p> <hr/> <p>(71) Deans, R. (21) 2023900835 (22) 25.03.2023 (54) Listings Exchange</p> <hr/> <p>(71) de la Motte, L. (21) 2023900876 (22) 29.03.2023 (54) Text input method</p> <hr/>	<p>(71) Dewet, K.; Williams, M.; Parkhomenko, I. (21) 2023900897 (22) 30.03.2023 (54) A communication verification system to mitigate against unsolicited marketing or fraudulent voice calls</p> <hr/> <p>(71) Elmich Pte Ltd (21) 2023900870 (22) 28.03.2023 (54) Concealed paver retainer</p> <hr/> <p>(71) Estrenue Pty Ltd (21) 2023900867 (22) 28.03.2023 (54) Compositions for topical delivery</p> <hr/> <p><b>Frederique Sunstrum see Jean Payette</b> (21) 2023900884</p> <hr/> <p><b>Gemmell, C. see Lee, F.</b> (21) 2023900893</p> <hr/> <p>(71) GenieUs Genomics Pty Ltd (21) 2023900849 (22) 27.03.2023 (54) MARK2 inhibitors</p> <hr/> <p>(71) Global Tradeco Pty Ltd (21) 2023900874 (22) 28.03.2023 (54) Continuous Process Tube Pressurised Reactor for Hydrating Magnesium Oxide</p> <hr/> <p>(71) GNS Science; University of Canterbury; Leveneau, J.; McArdle, S.; Marshall, A. (21) 2023900842 (22) 27.03.2023 (54) REDOX FLOW BATTERY ELECTRODES</p> <hr/> <p>(71) Guignard, P. (21) 2023900872 (22) 28.03.2023 (54) ESG Leadership, Capability and Risk Assessment</p> <hr/>
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Provisional Applications Filed - Name Index cont'd

(71) GULLIVER, D.  
(21) 2023900888 (22) 29.03.2023  
(54) Shooting analytics method and system

(71) Gunarathna Mudiyansele, P.B.G.  
(21) 2023900880 (22) 29.03.2023  
(54) A Power Generation Apparatus

(71) Hoffensetz, M.; Wilson, Z.  
(21) 2023900850 (22) 27.03.2023  
(54) CUTTING INSERT ASSEMBLY FOR A ROTARY DRILL BIT

(71) Holden, J.  
(21) 2023900857 (22) 27.03.2023  
(54) Y-Lugit for transporting stillages

(71) Hysential Pty Ltd  
(21) 2023900863 (22) 28.03.2023  
(54) A tissue dispenser

(71) Jean Payette; Noelle Sunstrom; Frederique Sunstrom  
(21) 2023900884 (22) 29.03.2023  
(54) Medicament injection device

(71) Johnson, K.  
(21) 2023900841 (22) 27.03.2023  
(54) INFLATABLE BUOYANCY APPARATUS

(71) Johnston, M.  
(21) 2023900894 (22) 30.03.2023  
(54) Adjustable support bracket fixed to the tow tongue of the towing vehicle for holding electrical connectors, air valves, reversing light, breakaway cable and other accessories in a position above the tow ball height.

(71) Lam, T.T.  
(21) 2023900824 (22) 24.03.2023  
(54) OPTIMAL CONTROL FOR MULTIPHYSICS SYSTEMS USING MACHINE LEARNING

(71) Lee, J.  
(21) 2023900859 (22) 27.03.2023  
(54) System and method for automating desktop financial analysis as a software program

(71) Lee, F.; Gemmell, C.  
(21) 2023900893 (22) 30.03.2023  
(54) COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR FACILITATING SOCIALISATION OF DOMESTIC PETS

Leveneu, J. see GNS Science  
(21) 2023900842

(71) Lightning Protection International Pty Ltd  
(21) 2023900844 (22) 27.03.2023  
(54) Air terminal coating

(71) MacGillivray, D.  
(21) 2023900862 (22) 28.03.2023  
(54) Training Aid

(71) MacGregor, F.  
(21) 2023900823 (22) 24.03.2023  
(54) An Illuminated Lead or Cable

(71) Madden, I.  
(21) 2023900840 (22) 27.03.2023  
(54) PRODUCE HANDLING EQUIPMENT

(71) Mahfoudh, M.  
(21) 2023900834 (22) 25.03.2023  
(54) A Nappy and a plastic bag

(71) MANTIS DESIGN PTY. LIMITED  
(21) 2023900896 (22) 30.03.2023  
(54) Miniature Model Lockable Movement Tray

Marshall, A. see GNS Science  
(21) 2023900842

McArdle, S. see GNS Science  
(21) 2023900842

(71) McCallum, L.  
(21) 2023900895 (22) 30.03.2023  
(54) Product batching system

(71) McMorro, E.  
(21) 2023900860 (22) 28.03.2023  
(54) A portable power tool battery pack power supply

(71) MEQ Probe Pty Ltd  
(21) 2023900869 (22) 28.03.2023  
(54) Method for assessing meat quality

(71) Momentum Concepts Pty Ltd  
(21) 2023900879 (22) 29.03.2023  
(54) AN ASSEMBLY FOR COUPLING ITEMS

(71) MORSE MICRO PTY. LTD.  
(21) 2023900878 (22) 29.03.2023  
(54) Methods and Devices of Busy Scheduling and Signaling for Access Points

(71) MU, W.  
(21) 2023900889 (22) 22.03.2023  
(54) Japanese nuclear wastewater treatment program uses tools

(71) Mulvany, R.  
(21) 2023900827 (22) 24.03.2023  
(54) Bicycle Handlebar Lock

(71) Natural Ice-Cream Australia Pty Ltd  
(21) 2023900843 (22) 27.03.2023  
(54) A cultured food product and method of producing thereof

(71) New Edge Microbials Pty Ltd  
(21) 2023900882 (22) 29.03.2023  
(54) COMBINATION OF MICROBES FOR USE IN AGRICULTURE

(71) New Edge Microbials Pty Ltd  
(21) 2023900883 (22) 29.03.2023  
(54) COPROPHILOUS MICROBES FOR USE IN AGRICULTURE

(71) newman, k.  
(21) 2023900892 (22) 30.03.2023  
(54) An electronic communication device for dental surgeries

(71) Next Level Racing Simulations Pty Ltd  
(21) 2023900853 (22) 27.03.2023  
(54) A FOLDABLE FRAME ASSEMBLY AND METHODS OF USE THEREOF

Noelle Sunstrom see Jean Payette  
(21) 2023900884

Parkhomenko, I. see Dewet, K.  
(21) 2023900897

Peachey, K. see Peachey, T.  
(21) 2023900845

(71) Peachey, T.; Peachey, K.  
(21) 2023900845 (22) 27.03.2023  
(54) COMPUTER-IMPLEMENTED SYSTEM AND METHOD OF DELIVERY SERVICE AREA ALLOCATION

(71) Phebra Pty Ltd  
(21) 2023900854 (22) 27.03.2023  
(54) Method of sterilisation

(71) Qenos Pty Ltd  
(21) 2023900833 (22) 24.03.2023  
(54) Process of preparing masterbatch compositions and their use

Provisional Applications Filed - Name Index cont'd

(71) Rio Tinto Alcan International Limited  
 (21) 2023900848 (22) 27.03.2023  
 (54) PRODUCTION AND USE OF METH-  
 ANE

(71) Sidhu, K.; Cunningham, C.  
 (21) 2023900864 (22) 28.03.2023  
 (54) Mesenchymal stem cells

(71) SMARTER NAVIGATIONS PTY LTD  
 (21) 2023900858 (22) 27.03.2023  
 (54) A DIGITAL ROADMAP ROUTE GEN-  
 ERATION METHOD

(71) Stark, M.  
 (21) 2023900838 (22) 27.03.2023  
 (54) DECKING SYSTEM AND METHOD OF  
 CONSTRUCTION

(71) TECHNOBAKE PTY LTD  
 (21) 2023900865 (22) 28.03.2023  
 (54) Method of Terminating and sealing Te-  
 flon Tube

(71) TECHNOBAKE PTY LTD  
 (21) 2023900866 (22) 28.03.2023  
 (54) Method of detecting earth leakage us-  
 ing Tell-tale device

(71) The Trustee for The BT Alderton Family  
 Trust  
 (21) 2023900868 (22) 28.03.2023  
 (54) AIRSOFT SECTOR GEAR DESIGN  
 FOR VARIABLE NUMBER OF TEETH

(71) The University of Queensland  
 (21) 2023900851 (22) 27.03.2023  
 (54) Diagnostic signature

(71) The University of Western Australia  
 (21) 2023900887 (22) 29.03.2023  
 (54) A DEVICE FOR THE COLLECTION OF  
 PLASMA

(71) Tibble, M.  
 (21) 2023900856 (22) 27.03.2023  
 (54) Using Artificial Intelligence to support  
 Individual Disability Clients, Support  
 Workers and Care Givers suffering with  
 Emotional Distress, as well as helping  
 Service Providers manage and stream-  
 line the way they care for their clients  
 and support workers more effectively.

(71) TRISTANO PTY LTD  
 (21) 2023900885 (22) 29.03.2023  
 (54) ANTIPATHOGENIC SUBSTRATE

University of Canterbury see GNS Science  
 (21) 2023900842

(71) Webber Surfboards Pty Limited  
 (21) 2023900890 (22) 30.03.2023  
 (54) SURFBOARD FIN MOUNT

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 (21) 2023900897

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 (21) 2023900850

(71) Yong, M.  
 (21) 2023900846 (22) 27.03.2023  
 (54) Coffee Pod Tool

(71) Zippy Bedding  
 (21) 2023900873 (22) 28.03.2023  
 (54) Inclusive bed sheet

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2023900893	Lee, F.; Gemmell, C.		
2023900894	Johnston, M.		



**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 28 Mar 2023 .

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

<hr/> <p>(71) Abiomed Europe GmbH (21) 2023201681 (22) 17.03.2023 (54) Blood pump (62) 2018219456</p> <hr/> <p>(71) Acacia Distribution Pty Ltd (21) 2023201714 (22) 20.03.2023 (54) A HEALTHCARE SUPPORT SURFACE</p> <hr/> <p>(71) Acer Incorporated (21) 2023201729 (22) 20.03.2023 (54) DEVICE AND METHOD FOR HANDLING SEARCH SPACE SET GROUP AND TRANSMISSION CONFIGURATION INDICATOR STATE (31) 63/331,257 (32) 15.04.22 (33) US 18/121,015 14.03.23 US</p> <hr/> <p>(71) Acres Technology (21) 2023201642 (22) 15.03.2023 (54) Method and System for Dispatching Casino Personnel and Tracking Interactions with Players (62) 2018200359</p> <hr/> <p>(71) AIRSET (21) 2023201707 (22) 20.03.2023 (54) SYSTEM FOR MARKING LOCATIONS ON ENGINEERING/ARCHITECTURAL PLANS USING A DRONE EQUIPPED WITH A LASER GIMBLE FOLLOWING GEOREFRENCING SOFTWARE</p> <hr/> <p>(71) AKS INDUSTRIES AUSTRALIA PTY LTD (21) 2023201722 (22) 20.03.2023 (54) LIQUID MIXING APPARATUS (62) 2017202060</p> <hr/> <p><b>Allikian, K. see Syed, R.</b> (21) 2023201749</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023201677 (22) 17.03.2023 (54) System for counting quantity of game tokens (62) 2018201238</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023201679 (22) 17.03.2023</p>	<p>(54) Game management system (62) 2021200077</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023201705 (22) 20.03.2023 (54) CARD SHOE APPARATUS AND TABLE GAME SYSTEM (62) 2021200956</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023201706 (22) 20.03.2023 (54) CARD SHOE APPARATUS AND GAME SYSTEM (62) 2021201412</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023201724 (22) 20.03.2023 (54) System for counting number of game tokens (62) 2018225928</p> <hr/> <p>(71) Apple Inc. (21) 2023201594 (22) 15.03.2023 (54) Generating unexpected location notifications (62) 2020268789</p> <hr/> <p>(71) Arcadia Power, Inc. (21) 2023201766 (22) 21.03.2023 (54) Systems and methods of utility data triangulation to verify data accuracy (31) 17/701,776 (32) 23.03.22 (33) US</p> <hr/> <p>(71) Arcadia Power, Inc. (21) 2023201767 (22) 21.03.2023 (54) Systems and methods of determining data of energy utilities (31) 17/701,791 (32) 23.03.22 (33) US</p> <hr/> <p>(71) Asahi Kasei Homes Corporation (21) 2023201628 (22) 15.03.2023 (54) Floor structure (62) 2019337025</p> <hr/> <p>(71) Ascendis Pharma Growth Disorders A/S (21) 2023201709 (22) 20.03.2023 (54) Combination therapy with controlled-release CNP agonists (62) 2017336253</p> <hr/>	<p>(71) Bairy, N. (21) 2023201769 (22) 21.03.2023 (54) A Self-Ejecting Weight Stack Pin for its use in conjunction with Weight-Stack Exercise Machines</p> <hr/> <p>(71) Baker Hughes Holdings LLC (21) 2023201758 (22) 21.03.2023 (54) Systems and methods for backup communications (62) 2019340256</p> <hr/> <p>(71) Bayer HealthCare LLC (21) 2023201608 (22) 15.03.2023 (54) Fluid injector with syringe engagement mechanism (62) 2017345160</p> <hr/> <p><b>Bayer HealthCare LLC see Regeneron Pharmaceuticals, Inc.</b> (21) 2023201635</p> <hr/> <p><b>Bayer HealthCare LLC see Regeneron Pharmaceuticals, Inc.</b> (21) 2023201638</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2023201615 (22) 15.03.2023 (54) Multiplex detection of vulvovaginal candidiasis, trichomoniasis and bacterial vaginosis (62) 2021286250</p> <hr/> <p>(71) Beijing Jitai Pharmaceutical Technology Co., Ltd.; Hangzhou Jitai Pharmaceutical Technology Co., Ltd. (21) 2023201644 (22) 16.03.2023 (54) Lipid nanoparticles (31) 202211319726.2 (32) 26.10.22 (33) CN 202210478132.X 29.04.22 CN 202210478559.X 29.04.22 CN 202211419648.3 14.11.22 CN</p> <hr/> <p>(71) Beijing Jitai Pharmaceutical Technology Co., Ltd.; Hangzhou Jitai Pharmaceutical Technology Co., Ltd. (21) 2023201645 (22) 16.03.2023 (54) Ionizable lipid compounds (31) 202211319669.8 (32) 26.10.22 (33) CN 202210478132.X 29.04.22 CN 202210478559.X 29.04.22 CN 202211419893.4 14.11.22 CN</p> <hr/>
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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023201550 (22) 14.03.2023  
 (54) Data acquisition apparatus and method for determining pose of its sensor  
 (31) 202210266621.9 (32) 17.03.22 (33) CN

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023201558 (22) 14.03.2023  
 (54) Control method, vehicle, device and storage medium  
 (31) 202210255816.3 (32) 15.03.22 (33) CN

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023201666 (22) 17.03.2023  
 (54) Information prompt system and method  
 (31) 202210268009.5 (32) 17.03.22 (33) CN

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023201710 (22) 20.03.2023  
 (54) Method and apparatus for generating neural network  
 (31) 202210278192.7 (32) 21.03.22 (33) CN

(71) Berkeley Lights, Inc.  
 (21) 2023201607 (22) 15.03.2023  
 (54) Apparatuses, systems and methods for imaging micro-objects  
 (62) 2017368267

(71) Berkeley Lights, Inc.  
 (21) 2023201668 (22) 17.03.2023  
 (54) Selection and cloning of T lymphocytes in a microfluidic device  
 (62) 2017234787

(71) Biomerica, Inc.  
 (21) 2023201768 (22) 21.03.2023  
 (54) Compositions, devices, and methods of gastroesophageal reflux disease sensitivity testing  
 (62) 2017283493

(71) Bio-Rad Laboratories, Inc.  
 (21) 2023201695 (22) 20.03.2023  
 (54) System and Method for Automated Single Cell Processing  
 (62) 2020267743

(71) Block, Inc.  
 (21) 2023201736 (22) 21.03.2023  
 (54) Point of sale (pos) systems and methods with dynamic kernel selection  
 (62) 2019405995

(71) Board of Regents, The University of Texas System  
 (21) 2023201601 (22) 15.03.2023

(54) Methods and compositions for TUSC2 immunotherapy  
 (62) 2017342364

(71) Boston Scientific Scimed, Inc.  
 (21) 2023201629 (22) 15.03.2023  
 (54) Apparatus to provide an adjustable mechanism for radial ultrasound port and flush port  
 (62) 2020279100

(71) Boston Scientific Scimed, Inc.  
 (21) 2023201631 (22) 15.03.2023  
 (54) Tailored laser pulses for surgical applications  
 (62) 2017339894

(71) Breville Pty Limited  
 (21) 2023201757 (22) 21.03.2023  
 (54) Packaging system  
 (31) 2022900704 (32) 21.03.22 (33) AU

**Brown, J.E. see Cognate 3 LLC**  
 (21) 2023201743

(71) Canva Pty Ltd  
 (21) 2023201648 (22) 16.03.2023  
 (54) Systems and methods for identifying a design template matching a search query

(71) Canva Pty Ltd  
 (21) 2023201686 (22) 17.03.2023  
 (54) Image enhancement

(71) CareFusion 303, Inc.  
 (21) 2023201595 (22) 15.03.2023  
 (54) Check valve with flash seal  
 (62) 2021266740

(71) Caterpillar Inc.  
 (21) 2023201632 (22) 15.03.2023  
 (54) Improved scarifier board for motor graders  
 (62) 2017376924

(71) Caterpillar Inc.  
 (21) 2023201740 (22) 21.03.2023  
 (54) Modular manifold having at least two control modules for controlling operation of at least two hydraulic actuators of an earthmoving machine  
 (62) 2020236329

(71) CATERPILLAR INC.  
 (21) 2023201627 (22) 15.03.2023  
 (54) MOUNTING SYSTEM FOR MACHINE  
 (31) 17/657,647 (32) 01.04.22 (33) US

(71) CATERPILLAR PAVING PRODUCTS INC.  
 (21) 2023201660 (22) 16.03.2023  
 (54) WORK MACHINE STABILITY MONITORING SYSTEM  
 (31) 17/713,585 (32) 05.04.22 (33) US

(71) Caterpillar Underground Mining Pty. Ltd.  
 (21) 2023201659 (22) 16.03.2023  
 (54) CONTROL SYSTEM FOR ACTUATED PINS  
 (31) 17/712,907 (32) 04.04.22 (33) US

(71) CDRD Ventures Inc.  
 (21) 2023201653 (22) 16.03.2023  
 (54) Somatostatin receptor antagonist compounds and methods of using the same  
 (62) 2021204347

(71) CFPH, LLC  
 (21) 2023201751 (22) 21.03.2023  
 (54) Game broker  
 (62) 2021200358

(71) Chhabra, M.  
 (21) 2023201770 (22) 22.03.2023  
 (54) Remote Dispensing Machine for Medicine by Pharmacist - Tele Pharmacy

(71) CLASSUM Co., Ltd  
 (21) 2023201618 (22) 15.03.2023  
 (54) Method of recommending similar question, and computing device for performing the same  
 (31) 10-2022-0132727 (32) 14.10.22 (33) KR  
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(71) Cognate 3 LLC; Brown, J.E.; Roberts, S.J.  
 (21) 2023201743 (22) 21.03.2023  
 (54) COMPOSITIONS AND METHODS FOR INDUCING APOPTOSIS IN ANAEROBIC CELLS AND RELATED CLINICAL METHODS FOR TREATING CANCER AND PATHOGENIC INFECTIONS  
 (62) 2018313719

(71) Cote, K.  
 (21) 2023201633 (22) 15.03.2023  
 (54) SPRINKLER SYSTEM ACCOUNTING FOR WIND EFFECT  
 (62) 2017363832

(71) Da'na, A.  
 (21) 2023201641 (22) 15.03.2023  
 (54) LVL D Balance Shoes for balance training

(71) Dalian University of Technology  
 (21) 2023201697 (22) 20.03.2023

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(54) ACTIVE CRYOGENIC INSULATION TYPE INNER-FLOATING-ROOF SPHERICAL LIQUID HYDROGEN/LIQUID NITROGEN STORAGE TANK  
(31) 2023101843371 (32) 01.03.23 (33) CN

(71) Deere & Company  
(21) 2023201624 (22) 15.03.2023  
(54) Method and arrangement for measuring a grain-specific size on a harvesting machine  
(31) 102022110185.1 (32) 27.04.22 (33) DE

(71) Deere & Company  
(21) 2023201721 (22) 20.03.2023  
(54) An object detection system and method on a work machine  
(31) 17/660,739 (32) 26.04.22 (33) US

(71) DMAC IP Pty Ltd  
(21) 2023201656 (22) 16.03.2023  
(54) WATER MANAGEMENT SYSTEM  
(62) 2021273589

(71) Dometic Sweden AB  
(21) 2023202002 (22) 31.03.2023  
(54) Dust reduction device  
(31) 2019901797 (32) 27.05.19 (33) AU

(71) Dropbox, Inc.  
(21) 2023201603 (22) 15.03.2023  
(54) Synchronizing an external location  
(62) 2021365721

(71) Equinor Energy AS  
(21) 2023201683 (22) 17.03.2023  
(54) Gas compressor cleaning  
(62) 2018209887

(71) Ergotron, Inc.  
(21) 2023201640 (22) 15.03.2023  
(54) Power system for mobile workstation  
(62) 2019228005

(71) Etavolt Pte Ltd; Nanyang Technological University  
(21) 2023201745 (22) 21.03.2023  
(54) METHODS AND APPARATUS FOR REGENERATION OF DEGRADED PHOTOVOLTAIC SOLAR CELLS  
(31) SG10202203156P (32) 28.03.22 (33) SG

(71) ethris GmbH  
(21) 2023201593 (22) 15.03.2023  
(54) NOVEL MINIMAL UTR SEQUENCES  
(62) 2017242794

(71) FAAC S.p.A.  
(21) 2023201772 (22) 22.03.2023

(54) Electronic braking system for an electric motor in the absence of an electrical supply  
(31) 102022000011015 (32) 26.05.22 (33) IT

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(21) 2023201755

(71) FG Innovation Company Limited; Sharp Kabushiki Kaisha  
(21) 2023201754 (22) 21.03.2023  
(54) Systems and methods for applying deblocking filters to reconstructed video data  
(62) 2019242247

(71) FibroBiologics, Inc.  
(21) 2023201649 (22) 16.03.2023  
(54) Therapeutic use of fibroblasts for use in wound healing  
(31) 63/320,388 (32) 16.03.22 (33) US  
63/379,220 12.10.22 US  
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(71) Fisher & Paykel Healthcare Limited  
(21) 2023201752 (22) 21.03.2023  
(54) PRESSURE REGULATING VALVE  
(62) 2017314186

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2023201708 (22) 20.03.2023  
(54) FLOW PATH FAULT DETECTION METHOD FOR A RESPIRATORY ASSISTANCE APPARATUS  
(62) 2020289860

(71) Fulcrum Bioenergy, Inc.  
(21) 2023201612 (22) 15.03.2023  
(54) FUELS AND FUEL ADDITIVES THAT HAVE HIGH BIOGENIC CONTENT DERIVED FROM RENEWABLE ORGANIC FEEDSTOCK  
(62) 2020286234

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(71) Geopolymer Solutions LLC  
(21) 2023201637 (22) 15.03.2023  
(54) PROCESS FOR PREPARING COLD FUSION CONCRETE AND CEMENT COMPOSITIONS FROM METAL MINING AND PRODUCTION WASTE  
(31) 17/696,793 (32) 16.03.22 (33) US

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(21) 2023201605

(71) Gilead Sciences, Inc.  
(21) 2023201701 (22) 20.03.2023

(54) Solid forms of FXR agonists  
(62) 2020225225

(71) Globaltech Corporation Pty Ltd  
(21) 2023201676 (22) 17.03.2023  
(54) IMPROVEMENTS TO DOWNHOLE SURVEYING AND CORE SAMPLE ORIENTATION SYSTEMS, DEVICES AND METHODS  
(62) 2021202726

(71) GROWPURA LIMITED  
(21) 2023201584 (22) 14.03.2023  
(54) System and Method for Hydroponic Plant Growth  
(62) 2017287819

(71) Grüenthal GmbH  
(21) 2023201688 (22) 17.03.2023  
(54) Salts or co-crystals of 3-(3-dimethylamino-1-ethyl-2-methyl-propyl)-phenol  
(62) 2021209200

(71) H. Lundbeck A/S  
(21) 2023201741 (22) 21.03.2023  
(54) New catecholamine prodrugs for use in the treatment of Parkinson's disease  
(62) 2018371193

(71) Hadal, Inc.  
(21) 2023201704 (22) 20.03.2023  
(54) Systems and methods for configurable battery charging  
(62) 2018285541

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(21) 2023201644

Hangzhou Jitai Pharmaceutical Technology Co., Ltd. see Beijing Jitai Pharmaceutical Technology Co., Ltd.  
(21) 2023201645

(71) Hanwha Azdel, Inc.  
(21) 2023201600 (22) 15.03.2023  
(54) UNDERBODY SHIELD COMPOSITION AND ARTICLES THAT PROVIDE ENHANCED PEEL STRENGTH AND METHODS OF USING THEM  
(62) 2020294175

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(21) 2023201622

(71) HAYWARD, K.M.; HAYWARD, C.Q.  
(21) 2023201622 (22) 15.03.2023  
(54) Method and System for Online Transactions  
(62) 2021200335

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<p>(71) Hilton, B. (21) 2023201718 (22) 20.03.2023 (54) Hilton Hydroelectric Wave Power Station (31) 2022900897 (32) 06.04.22 (33) AU</p>	<p>(54) Illuminated electrosurgical system and method of use (62) 2020244531</p>	<p>(71) MASTERCARD INTERNATIONAL INCORPORATED (21) 2023201606 (22) 15.03.2023 (54) System and method for predicting transactional behavior in a network (31) 17/697,724 (32) 17.03.22 (33) US</p>
<p>(71) HIT TEKK PTY LTD (21) 2023201742 (22) 21.03.2023 (54) A SENSOR-ENABLED PLATFORM CONFIGURED TO MEASURE ATHLETIC ACTIVITY (62) PCT/AU2022/050480</p>	<p>(71) J. Ray McDermott, S.A. (21) 2023201897 (22) 28.03.2023 (54) Systems and methods for pipe reeling and laying with mechanically lined pipe (62) 2019321562</p>	<p>(71) Micro Motion, Inc. (21) 2023201596 (22) 15.03.2023 (54) STABILIZED MODE SPLITTING FIN SENSOR (62) 2019462206</p>
<p>(71) Hoole Enterprises Pty Ltd (21) 2023201613 (22) 15.03.2023 (54) Heat Exchange System (62) 2019251770</p>	<p>(71) Jaensch, A. (21) 2023201407 (22) 07.03.2023 (54) Item Support Apparatus Assembly (31) 2022901133 (32) 29.04.22 (33) AU</p>	<p>(71) Micro Motion, Inc. (21) 2023201597 (22) 15.03.2023 (54) STABILIZED MODE SPLITTING FIN SENSOR (62) 2019462206</p>
<p>(71) Huawei Technologies Co., Ltd. (21) 2023201715 (22) 20.03.2023 (54) DEVICE AND METHOD FOR INTRA-PREDICTION (62) 2018429284</p>	<p>(71) Jiangsu Shemar Electric Co., Ltd. (21) 2023201739 (22) 21.03.2023 (54) CROSS ARM ASSEMBLY (62) 2019390461</p>	<p>(71) Micro Motion, Inc. (21) 2023201598 (22) 15.03.2023 (54) STABILIZED MODE SPLITTING FIN SENSOR (62) 2019462206</p>
<p>(71) IERUS Technologies; Faircloth, D. (21) 2023201755 (22) 21.03.2023 (54) A computer implemented system and method for optimizing price and performance of computational services (31) 17/699,316 (32) 21.03.22 (33) US PCT/ 23.09.22 WO US2022/044490</p>	<p><b>Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.</b> (21) 2023201692</p>	<p><b>Microport Orthopedics Holdings Inc. see Shah, R.R.</b> (21) 2023201719</p>
<p>(71) Instrumentation Laboratory Company (21) 2023201728 (22) 20.03.2023 (54) CLINICAL DECISION SUPPORT SYSTEM (31) 63/325,304 (32) 30.03.22 (33) US 18/086,863 22.12.22 US</p>	<p>(71) JST Performance, LLC (21) 2023201699 (22) 20.03.2023 (54) Method and apparatus for vehicular light fixtures (62) 2017269239</p>	<p><b>Nanyang Technological University see Eta-volt Pte Ltd</b> (21) 2023201745</p>
<p>(71) Intersurgical AG (21) 2023201626 (22) 15.03.2023 (54) Video Laryngoscopes (62) 2016262815</p>	<p>(71) KeychainX AG (21) 2023201756 (22) 21.03.2023 (54) Biometric digital signature generation for identity verification (62) 2019439427</p>	<p>(71) Nevados Engineering, Inc. (21) 2023201765 (22) 21.03.2023 (54) Articulating joint solar panel array (62) 2021232779</p>
<p>(71) Invirsa, Inc. (21) 2023201678 (22) 17.03.2023 (54) Methods for the use of 5'-adenosine diphosphate ribose (ADPR) (62) 2017219878</p>	<p>(71) Landis+Gyr Innovations, Inc. (21) 2023201665 (22) 17.03.2023 (54) Voice-activated energy management system (62) 2018330439</p>	<p>(71) Nokia Technologies Oy (21) 2023201713 (22) 20.03.2023 (54) Systems and method for security protection of NAS messages (62) 2019348793</p>
<p>(71) Invuity, Inc. (21) 2023201617 (22) 15.03.2023 (54) Electrosurgical instrument and method of using same (62) 2020220081</p>	<p>(71) Lewis, M. (21) 2023201730 (22) 20.03.2023 (54) AN IMPROVED SAFETY SAW</p>	<p>(71) Noodoe Corporation (21) 2023201646 (22) 16.03.2023 (54) ELECTRIC VEHICLE CHARGING STATION MANAGEMENT METHODS AND SYSTEMS FOR ROAMING CHARGING (31) 111110660 (32) 22.03.22 (33) TW</p>
<p>(71) Invuity, Inc. (21) 2023201625 (22) 15.03.2023</p>	<p>(71) Magnet Forensics Inc. (21) 2023201691 (22) 17.03.2023 (54) System and method for predicting significant files from within a dataset of interest (31) 63/321,282 (32) 18.03.22 (33) US</p>	<p><b>Novartis AG see The Trustees of the University of Pennsylvania</b> (21) 2023201620</p>
	<p>(71) Massachusetts Institute of Technology (21) 2023201630 (22) 15.03.2023 (54) Circular RNA for translation in eukaryotic cells (62) 2019280583</p>	<p>(71) Novocure GmbH (21) 2023201611 (22) 15.03.2023 (54) ENHANCED-FLEXIBILITY TRANSDUCER ARRAYS FOR DELIVER-</p>

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ING TTFIELDS (TUMOR TREATING FIELDS)  
(62) 2019389903

(71) One Home Brands, Inc.  
(21) 2023201667 (22) 17.03.2023  
(54) Stable anhydrous foaming and gelling hand soap concentrate and method of making same  
(62) 2020225452

(71) Oryzon Genomics, S.A.  
(21) 2023201580 (22) 14.03.2023  
(54) COMBINATIONS OF LSD1 INHIBITORS FOR USE IN THE TREATMENT OF SOLID TUMORS  
(62) 2017233898

(71) Panasonic Intellectual Property Corporation of America  
(21) 2023201643 (22) 15.03.2023  
(54) ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD CROSS REFERENCE TO RELATED APPLICATIONS  
(62) 2019303651

(71) Paradigm BioPharmaceuticals Ltd  
(21) 2023201746 (22) 21.03.2023  
(54) Treatment of acute respiratory disease syndrome (ARDS) with polysulfated polysaccharides  
(62) 2021252435

(71) Penalba, M.  
(21) 2023201382 (22) 07.03.2023  
(54) Modular high efficiency electric motor

(71) Pfizer Inc.  
(21) 2023201579 (22) 14.03.2023  
(54) Streptococcus pneumoniae capsular polysaccharides and conjugates thereof  
(62) 2020204508

(71) Plae Co.  
(21) 2023201744 (22) 21.03.2023  
(54) Interchangeable strap closure system for footwear  
(62) 2020277163

(71) Polaris Industries Inc.  
(21) 2023201614 (22) 15.03.2023  
(54) Device and method for improving route planning computing devices  
(62) 2021201050

(71) Polaris Industries Inc.  
(21) 2023201616 (22) 15.03.2023  
(54) Device and method for improving route planning computing devices  
(62) 2021201050

(71) Polaris Industries Inc.  
(21) 2023201623 (22) 15.03.2023  
(54) Device and method for improving route planning computing devices  
(62) 2021201050

(71) Polaris IP Pty Ltd  
(21) 2023201764 (22) 21.03.2023  
(54) Hinge  
(62) 2021201278

(71) Precision BioSciences, Inc.  
(21) 2023201658 (22) 16.03.2023  
(54) Engineered meganucleases specific for recognition sequences in the PCSK9 gene  
(62) 2018254576

(71) Principia Biopharma Inc.  
(21) 2023201685 (22) 17.03.2023  
(54) Modified release formulations of 2-[3-[4-amino-3-(2-fluoro-4-phenoxy-phenyl)pyrazolo[3,4-d]pyrimidin-1-yl]piperidine-1-carbonyl]-4-methyl-4-[4-(oxetan-3-yl)piperazin-1-yl]pent-2-enitrile  
(62) 2017290354

(71) Pro Access Holdings Pty Ltd  
(21) 2023201652 (22) 16.03.2023  
(54) Suspending operators  
(31) 2022902046 (32) 21.07.22 (33) AU

(71) Profile Products L.L.C.  
(21) 2023201636 (22) 15.03.2023  
(54) Bark and Wood Fiber Growing Medium  
(62) 2020267281

(71) Prysmian S.p.A.  
(21) 2023201647 (22) 16.03.2023  
(54) Fiber routing insert and optical junction or distribution box  
(31) 10202200005621 (32) 22.03.22 (33) IT

(71) Pulmokine, Inc.; Gilead Sciences, Inc.  
(21) 2023201605 (22) 15.03.2023  
(54) NON-SELECTIVE KINASE INHIBITORS  
(62) 2020289802

(71) PZB CONSULTING LIMITED  
(21) 2023201672 (22) 17.03.2023  
(54) IMPROVED SELF-CLEANING INTAKE FILTER  
(31) 787348 (32) 19.04.22 (33) NZ  
790972 03.08.22 NZ

(71) Ranken Research Pty Ltd  
(21) 2023201753 (22) 21.03.2023  
(54) Mechanisms and Methods for Wool Severance  
(31) 2022900693 (32) 21.03.22 (33) AU

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2023201585 (22) 14.03.2023  
(54) Anti-VEGF protein compositions and methods for producing the same  
(62) 2020398830

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2023201586 (22) 14.03.2023  
(54) Anti-VEGF protein compositions and methods for producing the same  
(62) 2020397803

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2023201588 (22) 14.03.2023  
(54) Anti-VEGF protein compositions and methods for producing the same  
(62) 2020396490

(71) Regeneron Pharmaceuticals, Inc.  
(21) 2023201590 (22) 14.03.2023  
(54) Anti-VEGF protein compositions and methods for producing the same  
(62) 2020397865

(71) Regeneron Pharmaceuticals, Inc.; Bayer HealthCare LLC  
(21) 2023201635 (22) 15.03.2023  
(54) Extended, High Dose VEGF Antagonist Regimens for Treatment of Angiogenic Eye Disorders  
(31) 63/319,865 (32) 15.03.22 (33) US  
63/404,511 07.09.22 US  
63/404,889 08.09.22 US  
63/411,589 29.09.22 US  
63/412,158 30.09.22 US  
63/421,296 01.11.22 US  
63/434,918 22.12.22 US  
63/444,470 09.02.23 US  
63/447,577 22.02.23 US  
3,190,726 22.02.23 CA

(71) Regeneron Pharmaceuticals, Inc.; Bayer HealthCare LLC  
(21) 2023201638 (22) 15.03.2023  
(54) Extended, High Dose VEGF Antagonist Regimens for Treatment of Angiogenic Eye Disorders  
(31) 63/319,869 (32) 15.03.22 (33) US  
63/404,512 07.09.22 US  
63/404,893 08.09.22 US  
63/411,594 29.09.22 US  
63/412,165 30.09.22 US  
63/421,298 01.11.22 US  
63/434,920 22.12.22 US  
63/444,480 09.02.23 US  
63/447,582 22.02.23 US  
3,190,733 22.02.23 CA

(71) Rite-Hite Holding Corporation  
(21) 2023201634 (22) 15.03.2023

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(54) Apparatus and methods for sensing vehicle positioning and vehicle restraint movement  
(62) 2020219806

**Roberts, S.J. see Cognate 3 LLC**  
(21) 2023201743

(71) ROPA SYSTEMS PTY LTD  
(21) 2023201654 (22) 16.03.2023  
(54) WINDOW FRAME AND ARCHITRAVE ASSEMBLY  
(62) 2021202587

(71) S&A Group Holdings Limited  
(21) 2023201664 (22) 17.03.2023  
(54) A mobile autonomous agricultural system  
(31) 2203843.4 (32) 18.03.22 (33) GB

(71) SAMYANG CORPORATION  
(21) 2023201711 (22) 20.03.2023  
(54) Method for producing functional crystalline sweetener  
(62) 2021286421

(71) Sanguine Technology, LLC  
(21) 2023201687 (22) 17.03.2023  
(54) Systems and methods for providing ostomy faceplates in close proximity with negative pressure  
(62) 2020310135

(71) SCF Group Pty Ltd  
(21) 2023201725 (22) 20.03.2023  
(54) BULK POWDER TANK IMPROVEMENTS  
(31) 2022900692 (32) 21.03.22 (33) AU

(71) Schneider Electric Industries SAS  
(21) 2023201673 (22) 17.03.2023  
(54) AUTOMATIC TRANSFER SWITCH AND CONTACT SYSTEM FOR AUTOMATIC TRANSFER SWITCH  
(31) 202220590719.5 (32) 17.03.22 (33) CN

(71) Schneider Electric Industries SAS  
(21) 2023201723 (22) 20.03.2023  
(54) OPERATION MECHANISM FOR DUAL-POWER SWITCH AND DUAL-POWER SWITCH  
(31) 202210273079.X (32) 18.03.22 (33) CN

(71) Shah, R.R.; Microport Orthopedics Holdings Inc.  
(21) 2023201719 (22) 20.03.2023  
(54) MEDIAL BIASED PATIENT-SPECIFIC INSTRUMENTATION AND RELATED METHODS  
(31) 63/269,642 (32) 21.03.22 (33) US  
18/182,516 13.03.23 US

(71) SharkNinja Operating LLC  
(21) 2023201663 (22) 17.03.2023  
(54) SURFACE TREATMENT APPARATUS USES AND METHODS  
(62) 2021201648

**Sharp Kabushiki Kaisha see FG Innovation Company Limited**  
(21) 2023201754

(71) Silicate Carbon Limited  
(21) 2023201591 (22) 15.03.2023  
(54) IMPROVEMENTS IN CARBON SEQUESTRATION  
(31) 22162570.0 (32) 16.03.22 (33) EP

(71) Simple Strap LLC.  
(21) 2023201717 (22) 20.03.2023  
(54) Securing device  
(62) 2019380235

(71) Slim By Nature Pty Ltd T/A SBN Wellness  
(21) 2023201650 (22) 16.03.2023  
(54) FORMULATION TO AID METABOLISM AND SLEEP  
(31) 2022900641 (32) 16.03.22 (33) AU

(71) Smiths Detection Inc.  
(21) 2023201587 (22) 14.03.2023  
(54) Detector assembly for use in CT imaging systems  
(62) 2017202532

(71) Société des Produits Nestlé S.A.  
(21) 2023201716 (22) 20.03.2023  
(54) Compositions and methods for improving hydration of individuals having dysphagia  
(62) 2017272808

(71) Spruce Biosciences, Inc.  
(21) 2023201703 (22) 20.03.2023  
(54) Corticotropin releasing factor receptor antagonists  
(62) 2018318990

(71) Strom, M.  
(21) 2023201674 (22) 17.03.2023  
(54) MULTI-DISCOUNT PERCENTAGE AWARDS GAMING SYSTEM.  
(31) 63/322,377 (32) 22.03.22 (33) US

(71) Stryker Australia PTY LTD  
(21) 2023201670 (22) 17.03.2023  
(54) Bone resection scoring and planning  
(31) 63/321,379 (32) 18.03.22 (33) US

(71) STRYKER EUROPEAN OPERATIONS HOLDINGS LLC  
(21) 2023201720 (22) 20.03.2023

(54) Surgical sagittal blade cartridge with a reinforced guide bar  
(62) 2020227103

(71) Subramanya, B.  
(21) 2023201610 (22) 15.03.2023  
(54) Directional speed and distance sensor  
(62) 2021201643

(71) Sungrow Power Supply Co., Ltd.  
(21) 2023201696 (22) 20.03.2023  
(54) Method and device for determining coverage in HIL testing, and storage medium  
(31) 202210294110.8 (32) 24.03.22 (33) CN

(71) SUPERSONIC IMAGINE  
(21) 2023201684 (22) 17.03.2023  
(54) Method and system for evaluating an assumed wave propagation speed in a medium  
(31) 22315072.3 (32) 23.03.22 (33) EP

(71) Syed, R.; Allikian, K.; Gao, Y.  
(21) 2023201749 (22) 21.03.2023  
(54) ISOLATING INTRACELLULAR POLYSACCHARIDES FROM FUNGI  
(62) 2021338585

(71) Takeda Pharmaceutical Company Limited  
(21) 2023201732 (22) 20.03.2023  
(54) Treatment of pain  
(62) 2017268039

(71) Tata Consultancy Services Limited  
(21) 2023201583 (22) 14.03.2023  
(54) METHOD AND SYSTEM FOR FINDING ONE OR MORE UNIQUE ENTITIES IN DATA  
(31) 202221017195 (32) 25.03.22 (33) IN

(71) Techtronic Cordless GP  
(21) 2023201661 (22) 16.03.2023  
(54) Multi-directional blade guard  
(31) 63/321,487 (32) 18.03.22 (33) US

(71) Techtronic Cordless GP  
(21) 2023201690 (22) 17.03.2023  
(54) Robotic garden tool and method  
(31) 63/321,477 (32) 18.03.22 (33) US  
63/321,487 18.03.22 US

(71) Techtronic Cordless GP  
(21) 2023201731 (22) 20.03.2023  
(54) Garden tool with toollessly interchangeable wheel  
(31) 63/323,013 (32) 23.03.22 (33) US

(71) Tencent America LLC  
(21) 2023201604 (22) 15.03.2023

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(54) TILE AND SUB-PICTURE PARTITION-  
ING  
(62) 2020237053

(71) Tencent America LLC  
(21) 2023201689 (22) 17.03.2023  
(54) Method for Signaling Output Layer Set  
with Sub Picture  
(62) 2020352513

(71) Tencent America LLC  
(21) 2023201737 (22) 21.03.2023  
(54) METHOD AND APPARATUS FOR  
VIDEO CODING  
(62) 2020240048

(71) The General Hospital Corporation  
(21) 2023201727 (22) 20.03.2023  
(54) Vessel Treatment Systems, Methods,  
And Kits  
(62) 2019232829

(71) The Regents of the University of Cali-  
fornia  
(21) 2023201675 (22) 17.03.2023  
(54) CRISPR-Cas effector polypeptides and  
methods of use thereof  
(62) 2020231380

(71) The Regents of The University of Cali-  
fornia  
(21) 2023201669 (22) 17.03.2023  
(54) Compositions and methods for modu-  
lating hair growth  
(62) 2018294351

(71) The Regents of the University of Color-  
ado, A Body Corporate  
(21) 2023201599 (22) 15.03.2023  
(54) DEVICE AND METHOD FOR WIRE-  
LESS MICROSTIMULATION  
(62) 2020256199

(71) The Trustees of Dartmouth College  
(21) 2023201639 (22) 15.03.2023  
(54) ELECTRICAL IMPEDANCE SENS-  
ING DENTAL DRILL SYSTEM CON-  
FIGURED TO DETECT CANCEL-  
LOUS-CORTICAL BONE AND BONE-  
SOFT TISSUE BOUNDARIES  
(62) 2018231030

(71) The Trustees of the University of  
Pennsylvania; Novartis AG  
(21) 2023201620 (22) 15.03.2023  
(54) CAR T cell therapies with enhanced ef-  
ficacy  
(62) 2016323985

(71) The Trustees of The University of  
Pennsylvania  
(21) 2023201582 (22) 14.03.2023

(54) Composition And Method For Treating  
Complement-Mediated Disease  
(62) 2016326627

(71) The Trustees of The University of  
Pennsylvania  
(21) 2023201657 (22) 16.03.2023  
(54) Gene Therapy For Treating Familial Hy-  
percholesterolemia  
(62) 2016366560

(71) Translate Bio, Inc.  
(21) 2023201651 (22) 16.03.2023  
(54) ENCAPSULATION OF MESSENGER  
RNA  
(62) 2021200483

(71) Translate Bio, Inc.  
(21) 2023201655 (22) 16.03.2023  
(54) STEREOCHEMICALLY ENRICHED  
COMPOSITIONS FOR DELIVERY OF  
NUCLEIC ACIDS  
(62) 2021201357

(71) Transportation IP Holdings, LLC  
(21) 2023201592 (22) 15.03.2023  
(54) VEHICLE CONTROL SYSTEM AND  
METHOD  
(31) 63/323,780 (32) 25.03.22 (33) US  
18/177,870 03.03.23 US

(71) Transportation IP Holdings, LLC  
(21) 2023201747 (22) 21.03.2023  
(54) FUEL SYSTEM TEST APPARATUS  
AND METHOD  
(31) 17/702,919 (32) 24.03.22 (33) US

(71) Tri Underground Australia Pty Ltd  
(21) 2023201734 (22) 21.03.2023  
(54) Manhole Cover  
(31) 2022901224 (32) 09.05.22 (33) AU  
2022901259 12.05.22 AU

(71) Tse, K.  
(21) 2023201693 (22) 19.03.2023  
(54) Vessel with minimum pressure wave

(71) Tygrus, LLC  
(21) 2023201662 (22) 17.03.2023  
(54) Composition and method for treat-  
ing and remediating aqueous waste  
streams  
(62) 2017280369

(71) University of Canberra  
(21) 2023201671 (22) 17.03.2023  
(54) Ophthalmic compositions comprising le-  
vodopa, an antioxidant and an aqueous  
carrier  
(62) 2017250002

(71) Vehicle Monitoring Systems Pty Ltd  
(21) 2023201771 (22) 22.03.2023  
(54) Method, apparatus and system for  
parking overstay detection  
(62) 2021200165

(71) Ventana Medical Systems, Inc.  
(21) 2023201682 (22) 17.03.2023  
(54) Protein proximity assay in formalin fixed  
paffafin embedded tissue using caged  
haptens  
(62) 2021218128

(71) ViaCyte, Inc.  
(21) 2023201602 (22) 15.03.2023  
(54) IN VITRO DIFFERENTIATION OF  
PLURIPOTENT STEM CELLS TO  
PANCREATIC ENDODERM CELLS  
(PEC) AND ENDOCRINE CELLS  
(62) 2021266324

(71) Vinventions USA, LLC  
(21) 2023201621 (22) 15.03.2023  
(54) Decorative closure for a container  
(62) 2019329382

(71) Viramal Limited  
(21) 2023201712 (22) 20.03.2023  
(54) GEL COMPOSITIONS FOR TRANS-  
DERMAL DELIVERY TO MAXIMIZE  
DRUG CONCENTRATIONS IN THE  
STRATUM CORNEUM AND SERUM  
AND METHODS OF USE THEREOF  
(62) 2017206048

(71) Visterra, Inc.  
(21) 2023201698 (22) 20.03.2023  
(54) Antibody molecules to APRIL and uses  
thereof  
(62) 2016361488

(71) Vivo Mobile Communication Co.,Ltd.  
(21) 2023201763 (22) 21.03.2023  
(54) METHOD FOR GUARANTEEING  
DATA TRANSMISSION AND COMMU-  
NICATIONS DEVICE  
(62) 2019395566

(71) W. L. Gore & Associates, Inc.  
(21) 2023201609 (22) 15.03.2023  
(54) Medical delivery devices with inhibited  
oxygen permeation  
(62) 2018421330

(71) Walnab Pty Limited  
(21) 2023201619 (22) 15.03.2023  
(54) Service Tool for Coupling to a Service  
Port Receiver Associated with a Gear-  
box  
(31) 2022901252 (32) 11.05.22 (33) AU

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(71) Wave Life Sciences Ltd.  
(21) 2023201700 (22) 20.03.2023  
(54) Asymmetric auxiliary group  
(62) 2020213420

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(71) Willand (Beijing) Technology Co., LTD.  
(21) 2023201680 (22) 17.03.2023  
(54) METHOD FOR CONTROLLING  
AUTONOMOUS MOBILE DEVICE,  
AUTONOMOUS MOBILE DEVICE,  
AND COMPUTER STORAGE MEDIUM  
(31) 202210270364.6 (32) 18.03.22 (33) CN

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(71) Ynsect  
(21) 2023201702 (22) 20.03.2023  
(54) Method for treating insects, in which the  
cuticles are separated from the soft part  
of the insects, and the soft part is then  
separated into three fractions  
(62) 2017387972

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(71) Zhejiang Jinko Solar Co., Ltd.; Jinko  
Solar Co., Ltd.  
(21) 2023201692 (22) 17.03.2023  
(54) SOLAR CELL AND PHOTOVOLTAIC  
MODULE  
(31) 202211587455.9 (32) 07.12.22 (33) CN

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(71) Zhu, Z.  
(21) 2023201694 (22) 20.03.2023  
(54) Method of modifying macrophage differ-  
entiation and immunity  
(62) 2016353064



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2023201382	Penalba, M.	2023201641	Da'na, A.
2023201407	Jaensch, A.	2023201642	Acres Technology
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2023201558	Beijing Tusen Zhitu Technology Co., Ltd.	2023201644	Beijing Jitai Pharmaceutical Technology Co., Ltd.; Hangzhou Jitai Pharmaceutical Technology Co., Ltd.
2023201579	Pfizer Inc.	2023201645	Beijing Jitai Pharmaceutical Technology Co., Ltd.; Hangzhou Jitai Pharmaceutical Technology Co., Ltd.
2023201580	Oryzon Genomics, S.A.	2023201646	Noodoe Corporation
2023201582	The Trustees of The University of Pennsylvania	2023201647	Prysmian S.p.A.
2023201583	Tata Consultancy Services Limited	2023201648	Canva Pty Ltd
2023201584	GROWPURA LIMITED	2023201649	FibroBiologics, Inc.
2023201585	Regeneron Pharmaceuticals, Inc.	2023201650	Slim By Nature Pty Ltd T/A SBN Wellness
2023201586	Regeneron Pharmaceuticals, Inc.	2023201651	Translate Bio, Inc.
2023201587	Smiths Detection Inc.	2023201652	Pro Access Holdings Pty Ltd
2023201588	Regeneron Pharmaceuticals, Inc.	2023201653	CDRD Ventures Inc.
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2023201601	Board of Regents, The University of Texas System	2023201665	Landis+Gyr Innovations, Inc.
2023201602	ViaCyte, Inc.	2023201666	Beijing Tusen Zhitu Technology Co., Ltd.
2023201603	Dropbox, Inc.	2023201667	One Home Brands, Inc.
2023201604	Tencent America LLC	2023201668	Berkeley Lights, Inc.
2023201605	Pulmokine, Inc.; Gilead Sciences, Inc.	2023201669	The Regents of The University of California
2023201606	MASTERCARD INTERNATIONAL INCORPORATED	2023201670	Stryker Australia PTY LTD
2023201607	Berkeley Lights, Inc.	2023201671	University of Canberra
2023201608	Bayer HealthCare LLC	2023201672	PZB CONSULTING LIMITED
2023201609	W. L. Gore & Associates, Inc.	2023201673	Schneider Electric Industries SAS
2023201610	Subramanya, B.	2023201674	Strom, M.
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2023201612	Fulcrum Bioenergy, Inc.	2023201676	Globaltech Corporation Pty Ltd
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2023201614	Polaris Industries Inc.	2023201678	Invisra, Inc.
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2023201618	CLASSUM Co., Ltd	2023201682	Ventana Medical Systems, Inc.
2023201619	Walnab Pty Limited	2023201683	Equinor Energy AS
2023201620	The Trustees of the University of Pennsylvania; Novartis AG	2023201684	SUPERSONIC IMAGINE
2023201621	Vinventions USA, LLC	2023201685	Principia Biopharma Inc.
2023201622	HAYWARD, K.M.; HAYWARD, C.Q.	2023201686	Canva Pty Ltd
2023201623	Polaris Industries Inc.	2023201687	Sanguine Technology, LLC
2023201624	Deere & Company	2023201688	Grünenthal GmbH
2023201625	Invuity, Inc.	2023201689	Tencent America LLC
2023201626	Intersurgical AG	2023201690	Techtronic Cordless GP
2023201627	CATERPILLAR INC.	2023201691	Magnet Forensics Inc.
2023201628	Asahi Kasei Homes Corporation	2023201692	Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.
2023201629	Boston Scientific Scimed, Inc.	2023201693	Tse, K.
2023201630	Massachusetts Institute of Technology	2023201694	Zhu, Z.
2023201631	Boston Scientific Scimed, Inc.	2023201695	Bio-Rad Laboratories, Inc.
2023201632	Caterpillar Inc.	2023201696	Sungrow Power Supply Co., Ltd.
2023201633	Cote, K.	2023201697	Dalian University of Technology
2023201634	Rite-Hite Holding Corporation	2023201698	Visterra, Inc.
2023201635	Regeneron Pharmaceuticals, Inc.; Bayer HealthCare LLC	2023201699	JST Performance, LLC
2023201636	Profile Products L.L.C.	2023201700	Wave Life Sciences Ltd.
2023201637	Geopolymer Solutions LLC	2023201701	Gilead Sciences, Inc.
2023201638	Regeneron Pharmaceuticals, Inc.; Bayer HealthCare LLC	2023201702	Ynsect
2023201639	The Trustees of Dartmouth College	2023201703	Spruce Biosciences, Inc.
2023201640	Ergotron, Inc.	2023201704	Hadal, Inc.
		2023201705	Angel Group Co., Ltd.
		2023201706	Angel Group Co., Ltd.

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2023201707	AIRSET
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2023201709	Ascendis Pharma Growth Disorders A/S
2023201710	Beijing Tusen Zhitu Technology Co., Ltd.
2023201711	SAMYANG CORPORATION
2023201712	Viramal Limited
2023201713	Nokia Technologies Oy
2023201714	Acacia Distribution Pty Ltd
2023201715	Huawei Technologies Co., Ltd.
2023201716	Société des Produits Nestlé S.A.
2023201717	Simple Strap LLC.
2023201718	Hilton, B.
2023201719	Shah, R.R.; Microport Orthopedics Holdings Inc.
2023201720	STRYKER EUROPEAN OPERATIONS HOLDINGS LLC
2023201721	Deere & Company
2023201722	AKS INDUSTRIES AUSTRALIA PTY LTD
2023201723	Schneider Electric Industries SAS
2023201724	Angel Group Co., Ltd.
2023201725	SCF Group Pty Ltd
2023201727	The General Hospital Corporation
2023201728	Instrumentation Laboratory Company
2023201729	Acer Incorporated
2023201730	Lewis, M.
2023201731	Techtronic Cordless GP
2023201732	Takeda Pharmaceutical Company Limited
2023201734	Tri Underground Australia Pty Ltd
2023201736	Block, Inc.
2023201737	Tencent America LLC
2023201739	Jiangsu Shemar Electric Co., Ltd.
2023201740	Caterpillar Inc.
2023201741	H. Lundbeck A/S
2023201742	HIT TEKK PTY LTD
2023201743	Cognate 3 LLC; Brown, J.E.; Roberts, S.J.
2023201744	Plae Co.
2023201745	Etavolt Pte Ltd; Nanyang Technological University
2023201746	Paradigm BioPharmaceuticals Ltd
2023201747	Transportation IP Holdings, LLC
2023201749	Syed, R.; Allikian, K.; Gao, Y.
2023201751	CFPH, LLC
2023201752	Fisher & Paykel Healthcare Limited
2023201753	Ranken Research Pty Ltd
2023201754	FG Innovation Company Limited; Sharp Kabushiki Kais- ha
2023201755	IERUS Technologies; Faircloth, D.
2023201756	KeychainX AG
2023201757	Breville Pty Limited
2023201758	Baker Hughes Holdings LLC
2023201763	Vivo Mobile Communication Co.,Ltd.
2023201764	Polaris IP Pty Ltd
2023201765	Nevados Engineering, Inc.
2023201766	Arcadia Power, Inc.
2023201767	Arcadia Power, Inc.
2023201768	Biomerica, Inc.
2023201769	Bainy, N.
2023201770	Chhabra, M.
2023201771	Vehicle Monitoring Systems Pty Ltd
2023201772	FAAC S.p.A.
2023201897	J. Ray McDermott, S.A.
2023202002	Dometic Sweden AB

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

Applications listed below were processed through the Patent Office Canberra during the period ending 28 Mar 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** Control Concepts, Inc.  
**(21)** 2023100030      **(22)** 30.03.2023  
**(54)** Aerator valve assembly  
**(62)** 2018273326

**Numerical Index**

**2023100030** Control Concepts, Inc.

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

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

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified
- N Applications not Open to Public Inspection

**2003**

2003202421 ( 14 )	2003202428 ( 14 )	2003202457 ( 14 )
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2007306874 ( 14 )	2007359039 ( 14 )	2007359123 ( 14 )

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2009295263 ( 14 )	2009299152 ( 14 )	2009301274 ( 14 )
2009349979 ( 14 )	2009352654 ( 14 )	2009352688 ( 14 )

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2011377324 ( 14 )	2011377329 ( 14 )	2011377572 ( 14 )

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 2015321012 ( 14 )    2015321059 ( 14 )    2015321646 ( 14 )  
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 2015361241 ( 14 )    2015382060 ( 14 )    2015400946 ( 14 )  
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**2017**

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**2018**

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**2019**

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 2020310135 ( 5C )    2020435105 ( 25D )

**2021**

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 2021215257 ( 5C )    2021221929 ( 4C )    2021252435 ( 5C )  
 2021273589 ( 5C )    2021338585 ( 5C )

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 2022291493 ( 1B )    2022291508 ( 1B )    2022291545 ( 1B )  
 2022291587 ( 1B )    2022291596 ( 7AN )    2022291671 ( 1B )  
 2022291680 ( 1B )    2022900963 ( 12AN )    2022901595 ( 12AN )  
 2022901728 ( 12AN )    2022901833 ( 12AN )    2022902357 ( 12AN )

**2023**

2023201309 ( 12AN )

**Assignments before Grant, Section 113**

**2016**

2016201156 HOEL, Stephen; HIRTH, Gregory The application has been assigned to **MIZUHO ORTHOPEDIC SYSTEMS, INC.**

**2018**

2018203083 Milenco Limited The application has been assigned to **Milenco Innovation Limited**

2018204378 Milenco Limited The application has been assigned to **Milenco Innovation Limited**

2018319565 Sanofi The application has been assigned to **Genzyme Corporation**

**2019**

2019200332 Milenco Limited The application has been assigned to **Milenco Innovation Limited**

2019236681 Milenco Limited The application has been assigned to **Milenco Innovation Limited**

2019249887 Jay Pharma Inc. The application has been assigned to **Akos Biosciences, Inc.**

2019255599 Bristol-Myers Squibb Company; Pfizer, Inc. The application has been assigned to **Bristol-Myers Squibb Holdings Ireland Unlimited Company; Pfizer, Inc.**

2019264349 Biotage AB The application has been assigned to **Phynexus Inc.**

2019278918 The University of Melbourne; The Flinders University of South Australia The application has been assigned to **NuLife B.V.**

2019286524 Anakuria Therapeutics, Inc. The application has been assigned to **Janssen Pharmaceutica NV**

2019358908 UDP Labs, Inc., The application has been assigned to **Sleep Number Corporation**

**2020**

2020205327 Biotalys NV The application has been assigned to **Katholieke Universiteit Leuven of KU Leuven Research & Development; Biotalys NV**

2020221866 UDP Labs, Inc., The application has been assigned to **Sleep Number Corporation**

2020257568 Cellicon B.V. The application has been assigned to **Cellicon B.V.**

2020334357 Day, Simon; Lee, Richard The application has been assigned to **Lee, Duane; Lee, Richard**

2020351726 Forkbeard Technologies AS The application has been assigned to **Sonitor Technologies AS**

**Assignments before Grant, Section 113**

**2021**

2021225131 Milenco Limited The application has been assigned to **Milenco Innovation Limited**

2021285520 Forkbeard Technologies AS The application has been assigned to **Sonitor Technologies AS**

2021290195 Partanen, Anssi; Partanen, Ari The application has been assigned to **Partanen, Rainer**

2021311622 Light Labs Inc. The application has been assigned to **Blue River Technology Inc.**

2021322247 Vocera Communications, Inc. The application has been assigned to **Stryker Corporation**

**2022**

2022900937 3B Innovations Pty Ltd The application has been assigned to **CapLock Pty Ltd**

2022901024 Awaken Mobile Pty Ltd The application has been assigned to **NFID ICC Limited**

2022902613 NFID Pty Ltd The application has been assigned to **NFID ICC Limited**

2022902614 NFID Pty Ltd The application has been assigned to **NFID ICC Limited**

2022903865 The University of Sydney The application has been assigned to **Kinoxis Therapeutics Pty 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.

**2014**

2014270125 **Moholkar, K.** An application to extend the time from 21 May 2022 to 21 Mar 2023 in which to pay a continuation fee has been filed . Address for service - Chrysilou IP Unit 1 Level 2 15 Rodborough Road Frenchs Forest NSW 2086 AU

**2016**

2016100982 **P.I.H.A. Pty Ltd** An application to extend the time from 30 Jun 2022 to 28 Feb 2023 in which to pay a renewal fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2018**

2018100893 **Xiamen Deguan Technology Co., Ltd.** An application to extend the time from 28 Jun 2022 to 28 Mar 2023 in which to pay a renewal fee has been filed . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

2018280129 **Heatworks Technologies, Inc.** An application to extend the time from 05 Jun 2022 to 05 Mar 2023 in which to pay a con-

**Extensions of Time, Section 223**

tinuation fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2018398889 **China Railway Engineering Equipment Group Co., Ltd.** An application to extend the time from 23 Feb 2022 to 23 Jun 2023 in which to gain acceptance has been filed . Address for service - Davies Collison Cave Pty Ltd GPO Box 3876 Sydney NSW 2001 AU

**2020**

2020100728 **Nyirenda, D.** An application to extend the time from 07 May 2022 to 07 Apr 2023 in which to pay a renewal fee has been filed . Address for service - Dolly Sepiso Katembo Nyirenda 12 Nuttall St Mambourin VIC 3024 AU

**2021**

2021204487 **GEA TDS GmbH** An application to extend the time from 10 Jul 2022 to 10 Apr 2023 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2021256967 **TAE TECHNOLOGIES, INC.** An application to extend the time from 14 Nov 2022 to 14 Apr 2023 in which to enter the National Phase has been filed . Address for service - AJ PARK GPO BOX 2513 Sydney NSW 2001 AU

2021290325 **Stripe, Inc.** An application to extend the time from 25 Jul 2022 to 25 Feb 2023 in which to pay a continuation fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

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

**2017**

2017343671 **Smith, L.** The time in which to pay the acceptance fee has been extended to 22 Apr 2023 . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

**2019**

2019201899 **Jabella Trading Pty Ltd** The time in which to request examination has been extended to 04 Apr 2023 . Address for service - DAVIS IP PTY LTD PO Box 3066 Newstead QLD 4006 AU

2019236217 **R.P. Scherer Technologies, LLC** The time in which to request examination has been extended to 20 Mar 2023 . Address for service - LEGALVISION ILP PTY. LTD. Level 2 241 Commonwealth Street Surry Hills NSW 2010 AU

2019236237 **R.P. Scherer Technologies, LLC** The time in which to request examination has been extended to 20 Mar 2023 . Address for service - LEGALVISION ILP PTY. LTD. Level 2 241 Commonwealth Street Surry Hills NSW 2010 AU

2019240135 **Takeda Pharmaceutical Company Limited** The time in which to request examination has been extended to 04 Apr 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019244793 **Berlin-Chemie AG** The time in which to request examination has been extended to 04 Apr 2023 . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 AU

**Extensions of Time, Section 223**

**2021**

2021201926 **Depuy Ireland Unlimited Company** The time in which to pay the continuation fee has been extended to 27 Nov 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021204405 **Hollister Incorporated** The time in which to pay the acceptance fee has been extended to 22 Apr 2023 . Address for service - AJ Pietras IP Limited Level 1, 29 Kings Crescent Lower Hutt Wellington 5010 NZ

2021233699 **UNIVERSITY OF SOUTH AUSTRALIA** The time in which to enter the National Phase has been extended to 13 Jan 2023 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

2021240146 **FISHER & PAYKEL HEALTHCARE LIMITED** The time in which to file a notice of opposition been extended to 08 Apr 2023 . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

2021264040 **GAS 2 FEED AS; MIKALSEN, Terje, Ernst; JOHAN-NESSEN, Arild** The time in which to enter the National Phase has been extended to 28 Jan 2023 . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

2021266391 **NOKIA TECHNOLOGIES OY** The time in which to enter the National Phase has been extended to 08 Feb 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021270820 **NOKIA TECHNOLOGIES OY** The time in which to enter the National Phase has been extended to 12 Feb 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021321543 **ARRIS ENTERPRISES LLC** The time in which to enter the National Phase has been extended to 07 Apr 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021321545 **ARRIS ENTERPRISES LLC** The time in which to enter the National Phase has been extended to 07 Apr 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021327753 **CAREFUSION 2200, INC.** The time in which to enter the National Phase has been extended to 21 Apr 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2022**

2022275396 **University of Florida Research Foundation, Inc.** The time in which to request examination has been extended to 13 Mar 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2023**

2023201049 **Aristocrat Technologies, Inc.** The time in which to claim the convention priority date has been extended to 18 Mar 2023 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 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.

**2002**

2002320157 Antibodies to OPGL **Amgen Fremont Inc. ; Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2010**

2010254160 Apoptosis-inducing agents for the treatment of cancer and immune and autoimmune diseases **AbbVie Ireland Unlimited Company** The nature of the amendment is as shown in the statement(s) filed 23 Mar 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2014**

2014311274 Thermal insulating panels and containers formed therefrom **Dreamweaver IP Pty Ltd** The nature of the amendment is: Amend patentee to Andrew Moulynox . Address for service - Andrew John Moulynox 14 Coorong St Macleay Island QLD 4184 AU

**2015**

2015264940 Antibodies to OPGL **Amgen Fremont Inc. ; Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2017**

2017290354 Modified release formulations of 2-[3-[4-amino-3-(2-fluoro-4-phenoxy-phenyl)pyrazolo[3,4-d]pyrimidin-1-yl]piperidine-1-carbonyl]-4-methyl-4-[4-(oxetan-3-yl)piperazin-1-yl]pent-2-enenitrile **Principia Biopharma Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Mar 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017299186 Method for the analysis of glycosaminoglycans, heparins and their derivatives by nuclear magnetic resonance **Laboratorios Farmacéuticos Rovi, S.A.** The nature of the amendment is as shown in the statement(s) filed 23 Mar 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018319712 Cable clamping apparatus **CMP Products Limited** The nature of the amendment is as shown in the statement(s) filed 08 Mar 2023 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

**2019**

2019201721 Improved tuber storage **Arysta LifeScience Benelux SPRL** The nature of the amendment is as shown in the statement(s)

**Amendments**

filed 28 Feb 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019241956 Stormwater drain inserts **New Pig Corporation** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2023 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2021**

2021215097 Combined structure **Sungbo Industrial Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 02 Mar 2023 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2021313611 Cover assembly for charging port of electric machines **Caterpillar Underground Mining Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 24 Mar 2023 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2022**

2022200075 CELL COMPOSITIONS DERIVED FROM DEDIFFERENTIATED REPROGRAMMED CELLS **ViaCyte, Inc.** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2023 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

**Amendments Made****2005**

2005225511 **Boehringer Ingelheim International GmbH** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2022

**2017**

2017246593 **Phico Therapeutics Ltd** The nature of the amendment is as shown in the statement(s) filed 29 Mar 2023

**2018**

2018316335 **Sumitomo Electric Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Method for Operating Redox Flow Battery

2018346670 **Highway Resource Solutions Ltd** The nature of the amendment is: Amend the name of the inventor to read JARRETT, James and POETH, Roger

**2020**

2020270985 **R.P. Scherer Technologies, LLC; Biohaven Pharmaceutical Holding Company Ltd.** The nature of the amendment is: Amend the name of the inventor to read PLASSAT, Vincent; HILBOLD, Benoit; GALUS, Aurélie; POINTEAUX, Thomas; MEISSONNIER, Julien; DUBOWCHIK, Gene M.; CONWAY, Charles M. and KUMAR, Rajesh

2020357994 **FMC Corporation; FMC Agro Singapore Pte. Ltd.** The nature of the amendment is: Amend the name of the inventor to read DE SOUSA, Ubiratan F.; DURGIN, Forrest; KENNEDY, Robert; PELESHANKO, Sergiy; STOEVA, Savka; TEIXEIRA, Luis; WANG, Guozhi and YAN, Laibin Bruce

## Amendments

2020409170 **Nichiha Corporation** The nature of the amendment is: Amend the invention title to read WALL MATERIAL AND WALL-MATERIAL BUILDING STRUCTURE

2020421711 **NEC Corporation** The nature of the amendment is: Amend the invention title to read FACE AUTHENTICATION APPARATUS, CONTROL METHOD AND PROGRAM THEREFOR, FACE AUTHENTICATION GATE APPARATUS, AND CONTROL METHOD AND PROGRAM THEREFOR

2020431621 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Stator, Motor, Fan, Air Conditioner, and Manufacturing Method of Stator

## 2021

2021204265 **Asphalt-IQ Limited** The nature of the amendment is: Application is to proceed under the number 2021107675

2021221540 **SOLETECH LIMITED** The nature of the amendment is: Application is to proceed under the number 2021107674

2021274120 **Oxford University Innovation Limited** The nature of the amendment is: Amend the name of the inventor to read HENDRON, Ross; LÓPEZ-JUEZ, Enrique and KELLY, Steven

2021281829 **Otsuka Pharmaceutical Co., Ltd.; Riken** The nature of the amendment is: Amend the invention title to read METHOD OF PRODUCING ORGANOID DERIVED FROM LUNG EPITHELIAL CELL OR LUNG CANCER CELL

2021298995 **Biologic Design Ltd.** The nature of the amendment is: Amend the name of the inventor to read AMIT, Inbar; LEVIN, Itay; CHEN, Ayelet; VANA, Tal; OREN, Nino; SAMET, Dor; CHOEN ZADA, Efrat; LEVITIN, Natalia; NIMROD, Guy; SASSON, Yehezkel; DEMISHTEIN, Alik; WYANT, Timothy; BARAK FUCHS, Reut; FASTMAN, Yair; FISCHMAN, Sharon; STRAJBL, Marek; ZHENIN, Michael; BLUVSHEIN YERMOLAEV, Olga; GROSSMAN, Noam; TWITO, Oshrat Shir; BITON, Nevet Zur; DANIELPUR, Liron; BEN MAYOR, May Sofia and OFRAN, Yanay

2021311622 **Light Labs Inc.** The nature of the amendment is: Amend the invention title to read Methods and apparatus for using filtering to improve image patch matching and/or for using depth information generated from stereo images

2021315564 **Protagonist Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read BOURNE, Gregory Thomas; BHANDARI, Ashok; ZHANG, Jie; FREDERICK, Brian Troy; SMYTHE, Mark Leslie and TARANATH, Roopa

2021318104 **ENERGIA DE SEPTIEMBRE LLC** The nature of the amendment is: Amend the name of the inventor to read MEHEEN, Steven and SHAW, Thomas Howard

2021318155 **Alley, J.; Whitaker, J.; Gomes, G.** The nature of the amendment is: Amend the name of the inventor to read Whitaker, James; Gomes, Gary G. and Alley, Jack D.

2021323398 **Seabery Soluciones SL** The nature of the amendment is: Amend the invention title to read AUGMENTED REALITY OR VIRTUAL REALITY SYSTEM WITH ACTIVE LOCALISATION OF TOOLS, USE AND ASSOCIATED PROCESS

## Amendments

2021323851 **ShanghaiTech University** The nature of the amendment is: Amend the invention title to read IMMUNOREGULATORY COMPOUNDS AND ANTI-TUMOR APPLICATION THEREOF

2021327622 **Kanaph Therapeutics Inc.; Korea Research Institute of Chemical Technology** The nature of the amendment is: Amend the name of the inventor to read LIM, Sang Kyun; LEE, Yeri; KIM, Donggeon; HAN, Soo Bong; YUN, Chang Soo; KIM, Hyun Jin; LEE, Joo Youn; LEE, Hyuk and SEONG, Sikwang

2021328601 **CONSTANTIA TOBEPAL S.L.U.** The nature of the amendment is: Amend the name of the inventor to read MARTIN, Roberto; ROMERO, Angela; LEON, Ivan; AGUADO, Ramon and ADRIAN, Jörg

2021329378 **Xencor, Inc.** The nature of the amendment is: Amend the invention title to read Anti-CD28 compositions

2021332926 **Research Institute of Industrial Science & Technology; POSCO CO., Ltd** The nature of the amendment is: Amend the invention title to read A method for producing lithium hydroxide from lithium-containing raw material

2021336597 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read CHANNEL ACCESS METHOD FOR MULTI-LINK DEVICE AND RELATED APPARATUS

2021338961 **me energy GmbH** The nature of the amendment is: Amend the invention title to read Charging Pole

2021340423 **Nichia Corporation** The nature of the amendment is: Amend the invention title to read NITRIDE SEMICONDUCTOR ELEMENT AND METHOD OF MANUFACTURING NITRIDE SEMICONDUCTOR ELEMENT

2021341521 **Boehringer Ingelheim International GmbH** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2023

2021343368 **Vivo Mobile Communication Co., Ltd.** The nature of the amendment is: Amend the invention title to read Discontinuous Reception Control Method and Apparatus, Terminal, and Readable Storage Medium

2021344830 **Revolution Medicines, Inc.** The nature of the amendment is as shown in the statement filed 02 Mar 2023

2021347156 **CBN Nano Technologies Inc.** The nature of the amendment is: Amend the name of the inventor to read RYLEY III, James F.; JOBES, Mark N. and SEMPREBON, Jeffrey E.

2021402722 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read System and method for controlling a plurality of work machines

2021403968 **Hitachi, Ltd.** The nature of the amendment is: Amend the invention title to read Train operation support system and train operation support method

**Amendments**

2021449518 **Zhejiang CFMOTO Power Co., Ltd.** The nature of the amendment is: Amend the invention title to read SIDE-BY-SIDE UTILITY VEHICLE

**2022**

2022202704 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details of 2022201926

2022203508 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read FELTON, Nicholas; CROWLEY, Matthew; ULLAL, Adeeti; GILMORE, Allison; GOSWAMI, Ruchi; NIEHAUS, Katherine; REZVANI LANNIN, Ava B.; BODINGTON, Dashiell; CARO, Pablo F.; DRYER, Allison W.; DUA, Aditya; GILRAVI, Eamon F.; JON, Tiffany S.; LYNCH, Kevin M.; NAGUIT, Charmian B. and SAHA, Sankalita

2022205250 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details of 2022201926

2022299969 **Nanjing Chervon Industry Co., Ltd.** The nature of the amendment is: Amend the invention title to read OUTDOOR MOVING DEVICE

**2023**

2023200086 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details of 2022201926

2023201021 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details of 2022201926

2023201021 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2022903460 17 Nov 2022 AU and 2022903799 12 Dec 2022 AU

2023201205 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details of 2022201926

2023201446 **Getac Technology Corporation** The nature of the amendment is: Amend the priority details to read 202211424132.8 15 Nov 2022 CN

2023900739 **Sentek Pty Ltd** The nature of the amendment is: Amend the invention title to read ANALYTE IN SOIL AND OTHER MEDIUM SENSOR ARRANGEMENT

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

**2004**

2004261886 **Vale Inco Japan Limited** The name of the patentee has been altered to **Vale Japan Limited**

**2005**

2005291782 **CVRD Inco Limited** The name of the patentee has been altered to **Vale Canada Limited**

**2008**

2008294503 **Ancon Limited** The name of the patentee has been altered to **Leviat Limited**

**Amendments**

**2011**

2011295018 **Agrosavfe N.V.** The name of the patentee has been altered to **Biotalys NV**

**2015**

2015337607 **UBE Industries, Ltd.** The name of the patentee has been altered to **UBE Corporation**

**2016**

2016281225 **UBE Industries, Ltd.** The name of the patentee has been altered to **UBE Corporation**

**2019**

2019315807 **Shire-Nps Pharmaceuticals Inc.** The name of the applicant has been altered to **TAKEDA PHARMACEUTICALS U.S.A., INC.**

2019387542 **Ancon Limited** The name of the applicant has been altered to **Leviat Limited**

2019392748 **Fred Hutchinson Cancer Research Center** The name of the applicant has been altered to **Fred Hutchinson Cancer Center**

**2020**

2020216361 **Shire-NPS Pharmaceuticals, Inc. ; Shi, Rongxin; Jain, Sujit** The name of the applicant has been altered to **TAKEDA PHARMACEUTICALS U.S.A., INC.; Shi, R.; Jain, S.**

2020228128 **Limacorporate S.p.A.** The name of the applicant has been altered to **Limacorporate S.p.A.; New York Society for the relief of the ruptured and crippled, maintaining the hospital for special surgery**

2020231396 **Conatus Pharmaceuticals Inc.** The name of the applicant has been altered to **Histogen Inc.**

2020298572 **Fred Hutchinson Cancer Research Center ; University of Washington** The name of the applicant has been altered to **Fred Hutchinson Cancer Center; University of Washington**

2020357569 **Manitowoc Foodservice Companies, LLC** The name of the applicant has been altered to **Welbilt Foodservice Companies, LLC**

2020387679 **The University of Sydney; South East Sydney Local Health District** The name of the applicant has been altered to **The University of Sydney; South Eastern Sydney Local Health District**

**2021**

2021221561 **June365 Limited** The name of the applicant has been altered to **F&P Tech Fitness Limited**

2021338698 **Aclarity, LLC** The name of the applicant has been altered to **Aclarity, Inc.**

**2022**

2022903064 **University of Tasmania** The name of the applicant has been altered to **University of Tasmania; Ornatas Pty Ltd**

**Amendments**

**2023**

2023900037 NewSouth Innovations Pty Ltd The name of the applicant has been altered to **NewSouth Innovations Pty Limited**

2023900829 NewSouth Innovations Pty Ltd The name of the applicant has been altered to **NewSouth Innovations Pty Limited**

Applications Open to Public Inspection

Name Index

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

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(71) Abiomed Europe GmbH  
 (11) AU-A-2023201681  
 (21) 2023201681 (22) 17.03.2023  
 (54) Blood pump  
 (51) Int. Cl.  
*A61M 60/122* ( 2021.01 )  
 (43) 13.04.2023  
 (62) 2018219456  
 (72) Siess, Thorsten; Malzkorn, Christof; Kortyka, Martin; Moser, Christian  
 (74) Spruson & Ferguson

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2023201576  
 (21) 2023201576 (22) 14.03.2023  
 (54) HARDWARE BLOCKCHAIN CONSENSUS OPERATING PROCEDURE ENFORCEMENT  
 (51) Int. Cl.  
*H04L 9/06* ( 2006.01 )  
*G06F 12/14* ( 2006.01 )  
*G06Q 20/40* ( 2012.01 )  
 (43) 13.04.2023  
 (62) 2021200184  
 (72) RAMATHAL, Noel Vivek; GREENE, Kevin Bernard  
 (74) Murray Trento & Associates Pty Ltd

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(71) Acres Technology  
 (11) AU-A-2023201642  
 (21) 2023201642 (22) 15.03.2023  
 (54) Method and System for Dispatching Casino Personnel and Tracking Interactions with Players  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018200359  
 (72) Acres, John F.  
 (74) Golja Haines & Friend

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(71) Adrenomed AG  
 (11) AU-A-2023201479  
 (21) 2023201479 (22) 09.03.2023  
 (54) Anti-adrenomedullin (ADM) binder for use in therapy or prevention of symptoms of illness  
 (51) Int. Cl.  
*C07K 16/46* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 31/00* ( 2006.01 )  
*C07K 16/26* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018335438  
 (72) BERGMANN, Andreas  
 (74) Davies Collison Cave Pty Ltd

(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2023200132  
 (21) 2023200132 (22) 11.01.2023  
 (54) Complement component C5 iRNA compositions and methods of use thereof  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/7088* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020204161  
 (72) FITZGERALD, Kevin; BUTLER, James; BETTENCOURT, Brian; BORO-DOVSKY, Anna; KUCHIMANCHI, Satyanarayana; CHARISSE, Klaus; MANOHARAN, Muthiah; MAIER, Martin; RAJEEV, Kallanthottathil G.; FOSTER, Donald  
 (74) Griffith Hack

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(71) Alpha Tau Medical Ltd.  
 (11) AU-A-2023201498  
 (21) 2023201498 (22) 10.03.2023  
 (54) Radiotherapy seeds and applicators  
 (51) Int. Cl.  
*A61N 5/10* ( 2006.01 )  
*A61L 27/40* ( 2006.01 )  
*A61L 27/42* ( 2006.01 )  
*A61M 31/00* ( 2006.01 )  
*G21F 5/02* ( 2006.01 )  
*G21G 4/08* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021236577  
 (72) KELSON, Itzhak; KEISARI, Yona; SCHMIDT, Michael; MAGEN, Ofer; SOSNOVITCH, Amitai; KERET, Guy; GAT, Amnon  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201452  
 (21) 2023201452 (22) 08.03.2023  
 (54) Game token and method for manufacturing the same  
 (51) Int. Cl.  
*G06K 19/04* ( 2006.01 )  
*G06K 7/10* ( 2006.01 )  
*G06K 19/07* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021200797  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201460  
 (21) 2023201460 (22) 08.03.2023  
 (54) Management system of gaming chips and storage box  
 (51) Int. Cl.  
*A63F 11/00* ( 2006.01 )  
*A63F 1/06* ( 2006.01 )  
*A63F 3/00* ( 2006.01 )

*A63F 9/00* ( 2006.01 )  
*G07D 9/00* ( 2006.01 )  
*G07F 17/32* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017386775  
 (72) Shigeta, Yasushi  
 (74) FB Rice Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201677  
 (21) 2023201677 (22) 17.03.2023  
 (54) System for counting quantity of game tokens  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 1/06* ( 2006.01 )  
*G07F 9/02* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018201238  
 (72) SHIGETA, Yasushi  
 (74) FB Rice Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201679  
 (21) 2023201679 (22) 17.03.2023  
 (54) Game management system  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021200077  
 (72) SHIGETA, Yasushi  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201705  
 (21) 2023201705 (22) 20.03.2023  
 (54) CARD SHOE APPARATUS AND TABLE GAME SYSTEM  
 (51) Int. Cl.  
*A63F 1/14* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021200956  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023201706  
 (21) 2023201706 (22) 20.03.2023  
 (54) CARD SHOE APPARATUS AND GAME SYSTEM  
 (51) Int. Cl.  
*A63F 1/12* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021201412  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Apple Inc.  
 (11) AU-A-2022235591  
 (21) 2022235591 (22) 21.09.2022  
 (54) Media controls user interface  
 (51) Int. Cl.  
*H04M 1/72403* ( 2021.01 )  
*G06F 3/0484* ( 2022.01 )  
*H04N 21/432* ( 2011.01 )  
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 (72) Carrigan, Taylor G.; Coffman, Patrick L.  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2023201453 (22) 08.03.2023  
 (54) Object stack  
 (51) Int. Cl.  
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 Timothy W.; Peyton, Eric S.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2023201500  
 (21) 2023201500 (22) 10.03.2023  
 (54) Systems, devices, and methods for dy-  
 namically providing user interface con-  
 trols at a touch-sensitive secondary dis-  
 play  
 (51) Int. Cl.  
*G06F 3/0488* ( 2022.01 )  
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 (72) SEPULVEDA, Raymond S.; WONG,  
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 SOUZA DOS SANTOS, Andre; BERN-  
 STEIN, Jeffrey T.; KERR, Duncan R.;  
 MORRELL, John B.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.  
 (11) AU-A-2023201551  
 (21) 2023201551 (22) 14.03.2023  
 (54) Systems and methods for multitasking  
 on an electronic device with a touch-  
 sensitive display  
 (51) Int. Cl.  
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*G06F 3/0488* ( 2022.01 )  
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 (72) CHAUDHRI, Imran A.; KHOE, May-Li;  
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(71) Apple Inc.  
 (11) AU-A-2023201594

(21) 2023201594 (22) 15.03.2023  
 (54) Generating unexpected location notific-  
 ations  
 (51) Int. Cl.  
*H04W 4/029* ( 2018.01 )  
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 Lynch, Kevin M.; Rochette, Tommy;  
 Howard, Albert R.; Movva, Siva  
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 de Jong, Frank; Williams, David John;  
 Needle, Rachel F.; Pai, Raghunandan  
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 (74) FPA Patent Attorneys Pty Ltd

(71) ArcherDX, LLC  
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 (54) Methods of nucleic acid sample prepar-  
 ation for immune repertoire sequencing  
 (51) Int. Cl.  
*C12P 19/34* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*C12Q 1/6806* ( 2018.01 )  
*C12Q 1/6869* ( 2018.01 )  
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 Brady; Kudlow, Brian; Eberlein, Jens  
 (74) Davies Collision Cave Pty Ltd

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 (21) 2022235635 (22) 23.09.2022  
 (54) UPGRADEABLE SYMBOL FEATURE  
 SYSTEMS AND METHODS FOR A  
 GAMING ENVIRONMENT  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 13/45* ( 2014.01 )  
*A63F 13/50* ( 2014.01 )  
 (31) 17/822,748 (32) 26.08.22 (33) US  
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 (72) HENDRICKS, Bradley; ENGLMAN, Al-  
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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2022241575  
 (21) 2022241575 (22) 29.09.2022  
 (54) GAME OF CHANCE WITH MULTI-  
 LEVEL FRENZY MODE AND SYS-  
 TEMS FOR PROVIDING THE SAME  
 (51) Int. Cl.  
*G07F 17/34* ( 2006.01 )  
*A63F 13/20* ( 2014.01 )  
*A63F 13/25* ( 2014.01 )  
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 (11) AU-A-2022241576  
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 (54) SYSTEMS AND METHODS FOR  
 PROVIDING AN INSTANT FEATURE  
 IN ELECTRONIC GAMING  
 (51) Int. Cl.  
*A63F 13/50* ( 2014.01 )  
*A63F 13/52* ( 2014.01 )  
*G07F 17/32* ( 2006.01 )  
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 Davis, Blake; Englman, Allon; Uberu-  
 aga, Jose  
 (74) Griffith Hack

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 (21) 2022241577 (22) 29.09.2022  
 (54) DOOR LOCKING ASSEMBLY FOR A  
 BUTTON DECK OF AN ELECTRONIC  
 GAMING MACHINE  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
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*G07F 5/26* ( 2006.01 )  
 (31) 17/865,016 (32) 14.07.22 (33) US  
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 (43) 13.04.2023  
 (72) McClintock, Lindsay; McNierney, James  
 (74) Griffith Hack

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 Limited  
 (11) AU-A-2021240123  
 (21) 2021240123 (22) 27.09.2021  
 (54) GAMING DEVICE WITH CHANGING  
 SYMBOL POSITIONS STATES  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 9/24* ( 2006.01 )  
*A63F 13/60* ( 2014.01 )  
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 siokis, Amy  
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty  
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 (11) AU-A-2021240127  
 (21) 2021240127 (22) 27.09.2021  
 (54) GAMING DEVICE WITH MYSTERY  
 CONFIGURABLE SYMBOLS  
 (51) Int. Cl.  
*A63F 13/45* ( 2014.01 )  
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 (54) GAMING DEVICE WITH UPGRADE-ABLE FEATURE GAMES  
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 (54) ELECTRONIC GAMING MACHINE, GAME CONTROLLER AND METHOD  
 (51) Int. Cl.  
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**A63F 13/30** ( 2014.01 )  
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 (54) GAMING DEVICE WITH WHEELS FOR AWARDED COMPOSITE FEATURES  
 (51) Int. Cl.  
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 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
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**G06K 19/067** ( 2006.01 )  
**G06Q 20/30** ( 2012.01 )  
**G06Q 40/04** ( 2012.01 )  
**G06Q 50/34** ( 2012.01 )  
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 (11) AU-A-2022235599  
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 (54) SYSTEMS AND METHODS FOR TOKENIZATION OF DIGITAL ASSETS ASSOCIATED WITH ELECTRONIC GAMING  
 (51) Int. Cl.  
**A63F 13/70** ( 2014.01 )  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**H04L 9/00** ( 2022.01 )  
**H04L 9/32** ( 2006.01 )  
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 (54) SYSTEM AND METHOD OF PROVIDING A HOLD-AND-SPIN GAME WITH CONFIGURABLE SYMBOL SPLITTING  
 (51) Int. Cl.  
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 (21) 2023201628 (22) 15.03.2023  
 (54) Floor structure  
 (51) Int. Cl.  
**E04B 5/43** ( 2006.01 )  
**E04B 1/98** ( 2006.01 )  
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 (54) Fluid injector with syringe engagement mechanism  
 (51) Int. Cl.  
**A61M 5/145** ( 2006.01 )

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 (11) AU-A-2023201608  
 (21) 2023201608 (22) 15.03.2023  
 (54) Fluid injector with syringe engagement mechanism  
 (51) Int. Cl.  
**A61M 5/145** ( 2006.01 )  
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 (21) 2023201425 (22) 07.03.2023  
 (54) Method and System for Preserving and Processing Vehicle Crash Data Evidence  
 (51) Int. Cl.  
**G07C 5/00** ( 2006.01 )  
**B60W 40/10** ( 2012.01 )  
**B60W 40/12** ( 2012.01 )  
**B60W 50/00** ( 2006.01 )  
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 (74) Wallington-Dummer
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 (54) Method and apparatus for calibrating quantum measurement device, electronic device, and medium  
 (51) Int. Cl.  
**G06N 10/20** ( 2022.01 )  
**G01R 33/02** ( 2006.01 )  
**G01R 35/00** ( 2006.01 )  
**G06N 10/60** ( 2022.01 )  
**G06N 10/70** ( 2022.01 )  
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 (54) Apparatuses, systems and methods for imaging micro-objects  
 (51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
*G01J 3/44* ( 2006.01 )  
*G01N 1/40* ( 2006.01 )  
*G01N 21/64* ( 2006.01 )  
*G02B 21/06* ( 2006.01 )  
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 (72) Lundquist, Paul M.; Lebel, Paul M.; Jess, Phillip Ronald Thomas  
 (74) FB Rice Pty Ltd

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 (54) Selection and cloning of T lymphocytes in a microfluidic device  
 (51) Int. Cl.  
*C12N 5/0783* ( 2010.01 )  
*B01D 37/00* ( 2006.01 )  
*C12M 1/24* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

(71) BGI Shenzhen; MGI Tech Co., Ltd.  
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 (21) 2023201547 (22) 14.03.2023  
 (54) NUCLEIC ACID SEQUENCING USING AFFINITY REAGENTS  
 (51) Int. Cl.  
*C12Q 1/6804* ( 2018.01 )  
*C07K 16/44* ( 2006.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Block, Inc.  
 (11) AU-A-2023201454  
 (21) 2023201454 (22) 08.03.2023  
 (54) Logical validation of devices against fraud and tampering  
 (51) Int. Cl.  
*G06Q 20/04* ( 2012.01 )  
*G06Q 20/20* ( 2012.01 )  
*G06Q 20/40* ( 2012.01 )  
*H04W 12/12* ( 2021.01 )

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 (72) ZOVI, Dino Dai; KLAWE, Janek  
 (74) FB Rice Pty Ltd

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 (21) 2023201601 (22) 15.03.2023  
 (54) Methods and compositions for TUSC2 immunotherapy  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
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 (72) Roth, Jack A.; Ji, Lin  
 (74) FPA Patent Attorneys Pty Ltd

(71) Boston Scientific Neuromodulation Corporation  
 (11) AU-A-2023201484  
 (21) 2023201484 (22) 09.03.2023  
 (54) Circuitry to assist with neural sensing in an implantable stimulator device in the presence of stimulation artifacts  
 (51) Int. Cl.  
*A61N 1/02* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61N 1/05* ( 2006.01 )  
*A61N 1/36* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020253768  
 (72) WEERAKOON, Pujitha; MARNFELDT, Goran N.  
 (74) Spruson & Ferguson

(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2023201629  
 (21) 2023201629 (22) 15.03.2023  
 (54) Apparatus to provide an adjustable mechanism for radial ultrasound port and flush port  
 (51) Int. Cl.  
*A61B 8/12* ( 2006.01 )  
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*A61B 18/20* ( 2006.01 )  
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(71) C2CNT LLC  
 (11) AU-A-2023201461  
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 (54) Methods and systems for production of doped carbon nanomaterials  
 (51) Int. Cl.  
*B82Y 40/00* ( 2011.01 )  
*C01B 32/184* ( 2017.01 )  
*C25B 1/00* ( 2021.01 )  
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 (72) Licht, Stuart  
 (74) FPA Patent Attorneys Pty Ltd

(71) Canon Kabushiki Kaisha  
 (11) AU-A-2023201536  
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 (54) Cartridge and drum unit for electrophotographic image forming apparatus  
 (51) Int. Cl.  
*G03G 21/18* ( 2006.01 )  
*G03G 15/00* ( 2006.01 )  
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 (62) 2021203064  
 (72) KAMOSHIDA, Shigemi; ARIMITSU, Takeshi; KOISHI, Isao; NIIKAWA, Yusuke  
 (74) Spruson & Ferguson

(71) Cantor Index LLC  
 (11) AU-A-2023201570  
 (21) 2023201570 (22) 14.03.2023  
 (54) SYSTEM FOR MANAGING BETS SELECTING EVENTS AND PARTICIPANTS  
 (51) Int. Cl.  
*A63F 9/24* ( 2006.01 )  
*A63F 13/00* ( 2014.01 )  
*G07F 17/32* ( 2006.01 )  
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 (72) Asher, Joseph M.; Miller, Kenneth L.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) CareFusion 303, Inc.  
 (11) AU-A-2023201595  
 (21) 2023201595 (22) 15.03.2023  
 (54) Check valve with flash seal  
 (51) Int. Cl.  
*A61M 39/24* ( 2006.01 )  
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 (72) FEITH, Raymond; MASON, Eugene; MALEKI, Shervin  
 (74) FB Rice Pty Ltd

(71) Caterpillar Inc.  
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 (21) 2023201632 (22) 15.03.2023  
 (54) Improved scarifier board for motor graders  
 (51) Int. Cl.  
*E02F 3/815* ( 2006.01 )



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 (74) FPA Patent Attorneys Pty Ltd

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 (54) CAVITATION DETECTION SYSTEM  
 (51) Int. Cl.  
*G08B 21/18* ( 2006.01 )  
*G01D 3/08* ( 2006.01 )  
*G05B 19/18* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) CDRD Ventures Inc.  
 (11) AU-A-2023201653  
 (21) 2023201653 (22) 16.03.2023  
 (54) Somatostatin receptor antagonist compounds and methods of using the same  
 (51) Int. Cl.  
*C07K 7/06* ( 2006.01 )  
*A61K 38/08* ( 2019.01 )  
*A61P 3/08* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021204347  
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 (74) Davies Collison Cave Pty Ltd

(71) CFPH, L.L.C.  
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 (21) 2023201508 (22) 10.03.2023  
 (54) Document changes  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
 (43) 13.04.2023  
 (62) 2021200185  
 (72) ALDERUCCI, Dean P.; GELMAN, Geoffrey M.; MANNING, Gregory; BRINTON, Michael D.  
 (74) FB Rice Pty Ltd

(71) CFPH, LLC  
 (11) AU-A-2023201567  
 (21) 2023201567 (22) 14.03.2023  
 (54) GAME WITH CHANCE ELEMENT OR EVENT SIMULATION  
 (51) Int. Cl.  
*A63F 9/24* ( 2006.01 )

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(71) CGG Services SAS  
 (11) AU-A-2022241469  
 (21) 2022241469 (22) 26.09.2022  
 (54) Seismic data recording and processing with different uncontaminated recording time lengths  
 (51) Int. Cl.  
*G01V 3/38* ( 2006.01 )  
*G06F 17/40* ( 2006.01 )  
*H04B 3/46* ( 2015.01 )  
 (31) 63/249,719 (32) 29.09.21 (33) US  
 (43) 13.04.2023  
 (72) Poole, Gordon  
 (74) FPA Patent Attorneys Pty Ltd

(71) City of Hope  
 (11) AU-A-2023201501  
 (21) 2023201501 (22) 10.03.2023  
 (54) PCNA INHIBITORS  
 (51) Int. Cl.  
*A61K 31/44* ( 2006.01 )  
*A61K 31/47* ( 2006.01 )  
*A61K 31/4704* ( 2006.01 )

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 (72) Home, David; Malkas, Linda H.; Hickey, Robert J.; Gu, Long  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Commonwealth Scientific and Industrial Research Organisation  
 (11) AU-A-2023201476  
 (21) 2023201476 (22) 09.03.2023  
 (54) Business Process Execution on a blockchain platform  
 (51) Int. Cl.  
*G06Q 90/00* ( 2006.01 )  
*G06F 9/46* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017239154  
 (72) WEBER, Ingo; XU, Xiwei; GOVERNATORI, Guido; RIVERET, Regis; PONOMAREV, Alexander  
 (74) FB Rice Pty Ltd

(71) ConMed Corporation  
 (11) AU-A-2023201520  
 (21) 2023201520 (22) 10.03.2023  
 (54) Sterile battery charging  
 (51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
*H02J 7/34* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020207420  
 (72) LACKEY, Michael J.  
 (74) Griffith Hack

(71) Cote, K.  
 (11) AU-A-2023201633  
 (21) 2023201633 (22) 15.03.2023  
 (54) SPRINKLER SYSTEM ACCOUNTING FOR WIND EFFECT  
 (51) Int. Cl.  
*A01G 25/16* ( 2006.01 )  
*B05B 3/00* ( 2006.01 )  
*B05B 12/08* ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017363832  
 (72) Cote, Cameron  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Deere & Company  
 (11) AU-A-2022221480  
 (21) 2022221480 (22) 25.08.2022  
 (54) Agricultural machine speed control based on work quality metrics  
 (51) Int. Cl.  
*G05D 1/02* ( 2020.01 )  
*G05B 19/19* ( 2006.01 )  
*G05B 19/31* ( 2006.01 )  
*G05D 3/20* ( 2006.01 )  
*G05D 13/62* ( 2006.01 )  
*G06Q 50/02* ( 2012.01 )  
 (31) 17/487,861 (32) 28.09.21 (33) US  
 (43) 13.04.2023  
 (72) Hansen, Matthew D.  
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
 (11) AU-A-2022224876  
 (21) 2022224876 (22) 05.09.2022  
 (54) Dual gas pressure accumulator system  
 (51) Int. Cl.  
*F15B 1/24* ( 2006.01 )  
 (31) 17/489,918 (32) 30.09.21 (33) US  
 (43) 13.04.2023  
 (72) Maro, Randall A.  
 (74) Davies Collison Cave Pty Ltd

(71) Deka Products Limited Partnership  
 (11) AU-A-2023201521  
 (21) 2023201521 (22) 10.03.2023  
 (54) System, method, and apparatus for electronic patient care  
 (51) Int. Cl.  
*G16H 40/60* ( 2018.01 )  
*G06F 21/50* ( 2013.01 )  
 (43) 13.04.2023  
 (62) 2020277098  
 (72) KAMEN, Dean; BIASI, John J.; SCARPACI, Jacob W.; KERWIN, John M.; TURNER, James G.; BALLANTYNE, Todd A.  
 (74) Griffith Hack

(71) DEKA Products Limited Partnership  
 (11) AU-A-2023201519  
 (21) 2023201519 (22) 10.03.2023  
 (54) Computer-implemented method, system, and apparatus for electronic patient care  
 (51) Int. Cl.  
*G06F 15/00* ( 2006.01 )  
*G16H 10/00* ( 2018.01 )

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**(72)** BIASI, John J.; NEWMAN, Richard M.; PRIBYL, Eric L.; KERWIN, John M.; GUPTA, Rahul  
**(74)** Griffith Hack

**(71)** Dexcom, Inc.  
**(11)** AU-A-2023201514  
**(21)** 2023201514 **(22)** 10.03.2023  
**(54)** Transcutaneous analyte sensor systems and methods  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2021203654  
**(72)** HALAC, Jason; GRAY, John Michael; JOHNSTON, Neal Davis; ENGLAND, Justen Deering; SIMPSON, Peter C.; NEALE, Paul V.; BLACKWELL, Jennifer; WELLS, Maria Noel Brown; PIRONDINI, Kenneth; REINHARDT, Andrew Michael; KEMPKEY, Mark Douglas  
**(74)** FB Rice Pty Ltd

**(71)** DMAC IP Pty Ltd  
**(11)** AU-A-2023201656  
**(21)** 2023201656 **(22)** 16.03.2023  
**(54)** WATER MANAGEMENT SYSTEM  
**(51)** Int. Cl.  
**C02F 1/04** ( 2023.01 )  
**B01D 1/00** ( 2006.01 )  
**C02F 1/12** ( 2023.01 )  
**(43)** 13.04.2023  
**(62)** 2021273589  
**(72)** Macfarlane, David Campbell  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Dropbox, Inc.  
**(11)** AU-A-2023201603  
**(21)** 2023201603 **(22)** 15.03.2023  
**(54)** Synchronizing an external location  
**(51)** Int. Cl.  
**G06F 16/178** ( 2019.01 )  
**G06F 16/182** ( 2019.01 )  
**G06F 16/188** ( 2019.01 )  
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**(72)** Yerfule, Sourabh; Timmerman, Parker; Arbree, Adam; Ramabhadran, Pranav Vishnu; Yang, Zihao; Fan, Lisa; Reiss, Kelson; Song, Geoffrey; Koorapati, Nipunn  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Eagle View Technologies, Inc.  
**(11)** AU-A-2023201455  
**(21)** 2023201455 **(22)** 08.03.2023  
**(54)** IMAGE ANALYSIS SYSTEM  
**(51)** Int. Cl.  
**G06Q 50/16** ( 2012.01 )

**(43)** 13.04.2023  
**(62)** 2020244561  
**(72)** Pershing, Chris  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Eli Lilly and Company  
**(11)** AU-A-2023201473  
**(21)** 2023201473 **(22)** 09.03.2023  
**(54)** Processes and intermediate for the large-scale preparation of 2,4,6-trifluoro-N-[6-(1-methyl-piperidine-4-carbonyl)-pyridin-2-yl]-benzamide hemisuccinate, and preparation of 2,4,6-trifluoro-N-[6-(1-methyl-piperidine-4-carbonyl)-pyridin-2-yl]-benzamide acetate  
**(51)** Int. Cl.  
**C07D 401/06** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2020310852  
**(72)** ABURUB, Aktham; COATES, David Andrew; FRANK, Scott Alan; KERR, Mark Steven; ROTHHAAR, Roger Ryan; VAID, Radhe Krishan  
**(74)** Spruson & Ferguson

**(71)** Equinor Energy AS  
**(11)** AU-A-2023201683  
**(21)** 2023201683 **(22)** 17.03.2023  
**(54)** Gas compressor cleaning  
**(51)** Int. Cl.  
**B08B 9/032** ( 2006.01 )  
**E21B 43/34** ( 2006.01 )  
**F04D 29/70** ( 2006.01 )  
**F04D 31/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2018209887  
**(72)** Brenne, Lars; Kibsgaard, Svend Tarald; Bjørge, Tor; Underbakke, Harald  
**(74)** Spruson & Ferguson

**(71)** Ergotron, Inc.  
**(11)** AU-A-2023201640  
**(21)** 2023201640 **(22)** 15.03.2023  
**(54)** Power system for mobile workstation  
**(51)** Int. Cl.  
**B62B 3/02** ( 2006.01 )  
**H01R 11/30** ( 2006.01 )  
**H02J 9/00** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
**H05K 7/14** ( 2006.01 )  
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**(62)** 2019228005  
**(72)** HAZZARD, Nicholas Simon; TISCHER, William Dale; THEIS, John W.; JANECHKEK, Matthew J.; TOWNES, Troy Edward  
**(74)** WRAYS PTY LTD

**(71)** Esculon, LLC  
**(11)** AU-A-2023201572  
**(21)** 2023201572 **(22)** 14.03.2023  
**(54)** DEVICES AND METHODS FOR MANAGING CHEST DRAINAGE  
**(51)** Int. Cl.

**A61M 27/00** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**(43)** 13.04.2023  
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**(72)** Luxon, Evan S.; Burnett, David R.; Preston, Randy; Coughlin, Ryan; Ziegler, Mark; Wallin, Derek  
**(74)** Griffith Hack

**(71)** Eutech Cybernetic Pte Ltd  
**(11)** AU-A-2023201467  
**(21)** 2023201467 **(22)** 08.03.2023  
**(54)** Platform for the integration of operational BIM, operational intelligence, and user journeys for the simplified and unified management of smart cities  
**(51)** Int. Cl.  
**G06F 16/907** ( 2019.01 )  
**G06Q 10/06** ( 2023.01 )  
**(43)** 13.04.2023  
**(62)** 2017408627  
**(72)** Jayanath Wewalaarachchi, Bandu; Gunasingham, Haritharan; Shivanan, Haran; Sanjewa Wijerathne, Lakshita  
**(74)** Griffith Hack

**(71)** Fate Therapeutics, Inc.  
**(11)** AU-A-2023201552  
**(21)** 2023201552 **(22)** 14.03.2023  
**(54)** Compositions and methods for immune cell modulation in adoptive immunotherapies  
**(51)** Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**(43)** 13.04.2023  
**(62)** 2020204267  
**(72)** ROSEN, Jonathan; REZNER, Betsy; VALAMEHR, Bahram; BJORDAHL, Ryan; PERALTA, Eigen  
**(74)** AJ PARK

**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2023201708  
**(21)** 2023201708 **(22)** 20.03.2023  
**(54)** FLOW PATH FAULT DETECTION METHOD FOR A RESPIRATORY ASSISTANCE APPARATUS  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A62B 7/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2020289860  
**(72)** O'DONNELL, Kevin Peter; HAN, John; HSU, Jack Che-Wei; FRAME, Samuel Robertson; DOVER, Grant Martin  
**(74)** AJ PARK

**(71)** Freeport-McMoran Inc.  
**(11)** AU-A-2023201475  
**(21)** 2023201475 **(22)** 09.03.2023  
**(54)** Methods and systems for the batch delivery of material to a continuous material processor  
**(51)** Int. Cl.  
**B65B 3/26** ( 2006.01 )

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**G05B 19/418** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
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**(72)** WALKER, Mary Amelia; CATRON, Robert; VAUGHAN, Brian; LU, Hung Jung; HICKSON, Nicholas  
**(74)** GLMR

**(71)** Fujitsu Limited  
**(11)** AU-A-2022204328  
**(21)** 2022204328 **(22)** 21.06.2022  
**(54)** Abnormality detection program, abnormality detection device and abnormality detection method  
**(51)** Int. Cl.  
**G01H 9/00** ( 2006.01 )  
**G01R 31/08** ( 2020.01 )  
**(31)** 2021-160279 **(32)** 30.09.21 **(33)** JP  
**(43)** 13.04.2023  
**(72)** TAKASU, Yoichi; ARIOKA, Takahiro; KASAJIMA, Takeo; UNO, Kazushi  
**(74)** Spruson & Ferguson

**(71)** Fujitsu Limited  
**(11)** AU-A-2022204448  
**(21)** 2022204448 **(22)** 23.06.2022  
**(54)** Estimation program, estimation device and estimation method  
**(51)** Int. Cl.  
**G01H 9/00** ( 2006.01 )  
**G01K 11/32** ( 2021.01 )  
**(31)** 2021-160265 **(32)** 30.09.21 **(33)** JP  
**(43)** 13.04.2023  
**(72)** ARIOKA, Takahiro  
**(74)** Spruson & Ferguson

**(71)** Fulcrum Bioenergy, Inc.  
**(11)** AU-A-2023201612  
**(21)** 2023201612 **(22)** 15.03.2023  
**(54)** FUELS AND FUEL ADDITIVES THAT HAVE HIGH BIOGENIC CONTENT DERIVED FROM RENEWABLE ORGANIC FEEDSTOCK  
**(51)** Int. Cl.  
**C10G 2/00** ( 2006.01 )  
**C07C 5/13** ( 2006.01 )  
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**(62)** 2020286234  
**(72)** Lucas, Stephen H.; Tiverios, Peter G.; Rich, Lewis L.  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Futu Network Technology (Shenzhen) Co., Ltd.  
**(11)** AU-A-2021427873  
**(21)** 2021427873 **(22)** 24.09.2021  
**(54)** Method and apparatus for creating quantitative trading strategy  
**(51)** Int. Cl.  
**G06Q 40/04** ( 2012.01 )  
**(43)** 13.04.2023  
**(72)** LI, Jian  
**(74)** DAVIS IP PTY LTD

**(71)** Galapagos NV  
**(11)** AU-A-2023201522  
**(21)** 2023201522 **(22)** 10.03.2023  
**(54)** Novel compounds and pharmaceutical compositions thereof for the treatment of inflammatory disorders  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
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**(72)** VAN DER PLAS, Steven Emiel; MAMMOLITI, Oscar; MARTINA, Sébastien; CLAES, Pieter Isabelle Roger; COTI, Ghjuvanni Petru Diunisu; ANNOOT, Denis Maurice; LÓPEZ RAMOS, Miriam; GALIEN, René; AMANTINI, David; BRYNS, Reginald Christophe Xavier  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Gen-Probe Incorporated  
**(11)** AU-A-2023201136  
**(21)** 2023201136 **(22)** 24.02.2023  
**(54)** Compositions and methods for detecting C1orf43 nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**(43)** 13.04.2023  
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**(72)** MIICK, Siobhán M.; DARBY, Paul M.; JACKSON, Jo Ann; GETTMAN, Damon K.  
**(74)** FB Rice Pty Ltd

**Gilead Sciences, Inc. see Pulmokine, Inc.**  
**(21)** 2023201605

**(71)** Gilead Sciences, Inc.  
**(11)** AU-A-2023201701  
**(21)** 2023201701 **(22)** 20.03.2023  
**(54)** Solid forms of FXR agonists  
**(51)** Int. Cl.  
**C07C 215/10** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 309/30** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Globaltech Corporation Pty Ltd  
**(11)** AU-A-2023201676  
**(21)** 2023201676 **(22)** 17.03.2023  
**(54)** IMPROVEMENTS TO DOWNHOLE SURVEYING AND CORE SAMPLE ORIENTATION SYSTEMS, DEVICES AND METHODS  
**(51)** Int. Cl.

**E21B 25/16** ( 2006.01 )  
**E21B 47/02** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2021202726  
**(72)** Hejleh, Khaled Mufid Yousef  
**(74)** Griffith Hack

**(71)** Google LLC  
**(11)** AU-A-2023201299  
**(21)** 2023201299 **(22)** 02.03.2023  
**(54)** CONSTRUCTING AND PROGRAMMING QUANTUM HARDWARE FOR QUANTUM ANNEALING PROCESSES  
**(51)** Int. Cl.  
**H03K 19/195** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2022200224  
**(72)** Mohseni, Masoud; Neven, Hartmut  
**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Graco Minnesota Inc.  
**(11)** AU-A-2022241562  
**(21)** 2022241562 **(22)** 29.09.2022  
**(54)** Pump drive system  
**(51)** Int. Cl.  
**F04B 17/03** ( 2006.01 )  
**F04B 9/02** ( 2006.01 )  
**(31)** 63/250,007 **(32)** 29.09.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** JANECEK, Thomas F.; WILLIAMS, Tyler K.; RYDER, Douglas S.; KOPEL, Andrew J.; DREXLER, Jarrod C.; SHULTZ, Mark D.; DALTON, James M.; PAULY, Thomas E.; LINS, Christopher A.  
**(74)** Spruson & Ferguson

**(71)** GROWPURA LIMITED  
**(11)** AU-A-2023201584  
**(21)** 2023201584 **(22)** 14.03.2023  
**(54)** System and Method for Hydroponic Plant Growth  
**(51)** Int. Cl.  
**A01G 31/06** ( 2006.01 )  
**A01G 31/04** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2017287819  
**(72)** Bateman, Nicholas; Bayley, Joanne  
**(74)** Golja Haines & Friend

**(71)** Grünenthal GmbH  
**(11)** AU-A-2023201688  
**(21)** 2023201688 **(22)** 17.03.2023  
**(54)** Salts or co-crystals of 3-(3-dimethylamino-1-ethyl-2-methyl-propyl)-phenol  
**(51)** Int. Cl.  
**C07D 275/06** ( 2006.01 )  
**A61K 31/137** ( 2006.01 )  
**C07C 59/255** ( 2006.01 )  
**C07C 215/54** ( 2006.01 )  
**C07D 239/545** ( 2006.01 )  
**C07D 291/06** ( 2006.01 )

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 (72) GRUSS, Michael; KRASZEWSKI, Magda  
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 (11) AU-A-2021430505  
 (21) 2021430505 (22) 28.10.2021  
 (54) Effective benzo[a]pyrene-degrading fungus *Aspergillus elsenburgensis* LJD-6 and its application  
 (51) Int. Cl.  
**C12N 1/14** ( 2006.01 )  
**B09C 1/10** ( 2006.01 )  
**C12N 1/26** ( 2006.01 )  
**C12R 1/66** ( 2006.01 )  
 (31) 20211145357.5 (32) 28.09.21 (33) CN  
 (43) 13.04.2023  
 (72) LUO, Chunling; LI, Jibing; DAI, Yeliang; JIANG, Longfei; ZHANG, Gan  
 (74) Madderns Pty Ltd
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- (71) Hadal, Inc.  
 (11) AU-A-2023201704  
 (21) 2023201704 (22) 20.03.2023  
 (54) Systems and methods for configurable battery charging  
 (51) Int. Cl.  
**H02J 7/04** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**H02J 7/36** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018285541  
 (72) RIKOSKI, Richard J.  
 (74) Spruson & Ferguson
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 (21) 2023201451
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- (71) Hanwha Azdel, Inc.  
 (11) AU-A-2023201600  
 (21) 2023201600 (22) 15.03.2023  
 (54) UNDERBODY SHIELD COMPOSITION AND ARTICLES THAT PROVIDE ENHANCED PEEL STRENGTH AND METHODS OF USING THEM  
 (51) Int. Cl.  
**B32B 5/18** ( 2006.01 )  
**B32B 5/20** ( 2006.01 )  
**B32B 7/12** ( 2006.01 )  
**F41H 5/06** ( 2006.01 )  
**F41H 7/04** ( 2006.01 )  
 (43) 13.04.2023  
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 (72) Mason, Mark O.; Yang, Yankai; Messina, Anthony J.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- HAYWARD, C.Q. see HAYWARD, K.M.**  
 (21) 2023201622
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 (11) AU-A-2023201622  
 (21) 2023201622 (22) 15.03.2023  
 (54) Method and System for Online Transactions  
 (51) Int. Cl.  
**G06Q 30/08** ( 2012.01 )  
 (43) 13.04.2023  
 (62) 2021200335  
 (72) HAYWARD, Karyn Marcia; HAYWARD, Charles Quenton  
 (74) James & Wells Intellectual Property
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- (71) Hoole Enterprises Pty Ltd  
 (11) AU-A-2023201613  
 (21) 2023201613 (22) 15.03.2023  
 (54) Heat Exchange System  
 (51) Int. Cl.  
**H02S 40/42** ( 2014.01 )  
**H01L 31/052** ( 2014.01 )  
 (43) 13.04.2023  
 (62) 2019251770  
 (72) HOOLE, Thomas; HAWKINS, Eric  
 (74) BOSH IP Pty Ltd
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- (71) Hudson Institute of Medical Research  
 (11) AU-A-2023201412  
 (21) 2023201412 (22) 07.03.2023  
 (54) CXCL10 binding proteins and uses thereof  
 (51) Int. Cl.  
**C07K 16/24** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020404453  
 (72) STEPHENS, Andrew N.; RAINCZUK, Adam; KANG, Sung-Woog  
 (74) FB Rice Pty Ltd
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- (71) Idemia Identity & Security France  
 (11) AU-A-2022235623  
 (21) 2022235623 (22) 23.09.2022  
 (54) Method for generating an augmented image and associated device  
 (51) Int. Cl.  
**G06V 40/10** ( 2022.01 )  
**G06V 10/80** ( 2022.01 )  
 (31) FR2110146 (32) 27.09.21 (33) FR  
 (43) 13.04.2023  
 (72) Gentric, Stéphane  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) IGT  
 (11) AU-A-2022228138  
 (21) 2022228138 (22) 08.09.2022  
 (54) ELECTRONIC GAMING MACHINE HAVING TRANSMISSIVE REELS WITH REELS STRIPS THAT PROVIDE SPACE SYMBOLS FOR IMAGE DISPLAYS  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 13/25** ( 2014.01 )
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- A63F 13/50** ( 2014.01 )  
 (31) 17/486,195 (32) 27.09.21 (33) US  
 (43) 13.04.2023  
 (72) Jones, Scott  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) IGT  
 (11) AU-A-2022241533  
 (21) 2022241533 (22) 29.09.2022  
 (54) Electronic Gaming Machine Having Reel Assembly and Transmissive Display Device with Color Characteristic Adjustments  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
 (31) 63/249,862 (32) 29.09.21 (33) US  
 17/936,009 28.09.22 US  
 (43) 13.04.2023  
 (72) Jones, Scott; Hernandez, Juan Carlos; Thoeni, Stewart  
 (74) Clark Intellectual Property Pty Ltd
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- (71) Implantica Patent Ltd  
 (11) AU-A-2023201464  
 (21) 2023201464 (22) 08.03.2023  
 (54) Method And Apparatus For Supplying Energy To An Implant  
 (51) Int. Cl.  
**A61N 1/378** ( 2006.01 )  
**A61N 1/08** ( 2006.01 )  
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 (72) Forsell, Peter  
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- (71) INGU Solutions Inc.  
 (11) AU-A-2022202857  
 (21) 2022202857 (22) 29.04.2022  
 (54) Systems and methods for determining absolute velocity and position of a sensor device for measuring fluid and fluid conduit properties  
 (51) Int. Cl.  
**G01P 3/66** ( 2006.01 )  
**G01F 22/00** ( 2006.01 )  
**G01M 3/00** ( 2006.01 )  
**G01V 3/08** ( 2006.01 )  
**G01V 3/38** ( 2006.01 )  
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 (72) VAN POL, Anouk; PENG, Bryan; VAN POL, Johannes Hubertus Gerardus  
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- (71) INOSYSTEMS  
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 (54) HOSPITAL CART FOR TRANSPORTING A CYLINDER OF GAS, IN PARTICULAR OF MEDICAL NO  
 (51) Int. Cl.  
**A61B 50/13** ( 2016.01 )  
**A61G 12/00** ( 2006.01 )  
**B62B 3/10** ( 2006.01 )  
**B62B 5/06** ( 2006.01 )  
 (31) 2110265 (32) 29.09.21 (33) FR

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 (72) Marchal, Frédéric; Trilly, Nicolas  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2023201162

(71) Intuit Inc.  
 (11) AU-A-2022203643  
 (21) 2022203643 (22) 29.05.2022  
 (54) Artificial intelligence based compliance document processing  
 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
*G06F 16/20* ( 2019.01 )  
*G06F 16/93* ( 2019.01 )  
*G06F 40/10* ( 2020.01 )  
*G06N 3/02* ( 2006.01 )  
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 (43) 13.04.2023  
 (72) Matias, Joven; Yu, Jay Jie-Bing; Singh, Anu; Wei, Ling Feng  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
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 (21) 2022203649 (22) 30.05.2022  
 (54) Event-driven platform for proactive interventions in a software application  
 (51) Int. Cl.  
*G06Q 10/10* ( 2012.01 )  
*G05B 19/408* ( 2006.01 )  
*G06F 9/451* ( 2018.01 )  
*G06F 11/30* ( 2006.01 )  
 (31) 17/487,250 (32) 28.09.21 (33) US  
 (43) 13.04.2023  
 (72) Giri, Neha; Nellitheertha, Hemanth; Narayana, Bhargava; Jain, Manish; Kumar, Divya; A., Arun Kumar  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
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 (21) 2022203723 (22) 31.05.2022  
 (54) Optimizing questions to retain engagement  
 (51) Int. Cl.  
*G06Q 40/00* ( 2012.01 )  
*G06F 16/80* ( 2019.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06Q 10/10* ( 2012.01 )  
*G06Q 40/08* ( 2012.01 )  
 (31) 17/489,659 (32) 29.09.21 (33) US  
 (43) 13.04.2023  
 (72) Furbish, Kevin Michael; Scott, Glenn Carter; Mouatadid, Lalla  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2022203744 (22) 31.05.2022  
 (54) Converting from compressed language to natural language  
 (51) Int. Cl.  
*G06F 40/56* ( 2020.01 )

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 (74) Davies Collison Cave Pty Ltd

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 (54) Conversational user interfaces based on knowledge graphs  
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*G06F 40/00* ( 2020.01 )  
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*G10L 15/00* ( 2013.01 )  
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 (54) Storage structure for pattern mining  
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 (72) Mouatadid, Lalla; Yu, Jay Jie-Bing  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
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 (54) Large pose facial recognition based on 3D facial model  
 (51) Int. Cl.  
*G06V 40/16* ( 2022.01 )  
*G06F 21/32* ( 2013.01 )  
*G06T 7/73* ( 2017.01 )  
*H04N 7/00* ( 2011.01 )  
*H04N 21/4223* ( 2011.01 )  
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 (43) 13.04.2023  
 (72) Chang, Jianxiang; Tao, Lin  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2022204475 (22) 24.06.2022  
 (54) Generating estimates by combining unsupervised and supervised machine learning  
 (51) Int. Cl.  
*G06F 16/215* ( 2019.01 )  
*G06N 3/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06Q 10/04* ( 2012.01 )  
*G06Q 40/02* ( 2012.01 )  
 (31) 17/491,240 (32) 30.09.21 (33) US  
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 (72) Liao, Jianxiang; Wang, Wei; Xue, Zhicheng  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2022204493  
 (21) 2022204493 (22) 24.06.2022  
 (54) Subscriber retention and future action prediction  
 (51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
*G06N 5/00* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*H04L 41/5061* ( 2022.01 )  
 (31) 17/487,513 (32) 28.09.21 (33) US  
 (43) 13.04.2023  
 (72) Meng, Xiangling; Wu, Grace  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2022204665  
 (21) 2022204665 (22) 29.06.2022  
 (54) Automated search and presentation computing system  
 (51) Int. Cl.  
*G06N 5/02* ( 2006.01 )  
*G06F 16/93* ( 2019.01 )  
*G06F 40/20* ( 2020.01 )  
*G06N 3/02* ( 2006.01 )  
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*G10L 15/04* ( 2013.01 )  
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 (72) Khang, Byungkyu; Zhicharevich, Alexander; Swift-Spong, Kate Elizabeth; Fan, Zhewen; Srour, Elik  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2023201442  
 (21) 2023201442 (22) 08.03.2023  
 (54) System and method for use of alternating least squares to identify common profiles of tax filers and tailor the tax preparation process based on the profile for the individual tax filer  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
 (43) 13.04.2023  
 (62) 2021201898  
 (72) Laaser, William T.  
 (74) Davies Collison Cave Pty Ltd

(71) Invirsa, Inc.  
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 (21) 2023201678 (22) 17.03.2023  
 (54) Methods for the use of 5'-adenosine diphosphate ribose (ADPR)  
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*A61K 31/7076* ( 2006.01 )  
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*A61K 33/24* ( 2019.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
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*C07H 19/20* ( 2006.01 )

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(72) Shalwitz, Robert  
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(21) 2023201617 (22) 15.03.2023  
(54) Electrosurgical instrument and method of using same  
(51) Int. Cl.  
A61N 1/40 ( 2006.01 )  
A61B 17/32 ( 2006.01 )  
A61B 18/14 ( 2006.01 )

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(72) Vayser, Alex; Erismann, Fernando; Taylor, Scott; Hegener, Jason  
(74) Davies Collison Cave Pty Ltd

(71) Invuity, Inc.  
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(54) Illuminated electrosurgical system and method of use  
(51) Int. Cl.  
A61B 18/04 ( 2006.01 )

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(72) Heim, Warren P.; Vayser, Alex; Wayne, David; Hegener, Jason  
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(71) J. Ray McDermott, S.A.  
(11) AU-A-2023201477  
(21) 2023201477 (22) 09.03.2023  
(54) System for determining position of objects  
(51) Int. Cl.  
B66C 13/46 ( 2006.01 )  
B66C 13/48 ( 2006.01 )  
B66C 23/52 ( 2006.01 )

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(74) Griffith Hack

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(54) Offshore ship-to-ship lifting with target tracking assistance  
(51) Int. Cl.  
B66C 13/02 ( 2006.01 )  
B63B 27/30 ( 2006.01 )  
B66C 23/52 ( 2006.01 )

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(54) AN INTERNAL COMBUSTION ENGINE  
(51) Int. Cl.  
F02M 21/02 ( 2006.01 )  
F02B 43/10 ( 2006.01 )  
F02D 19/02 ( 2006.01 )  
F02M 61/14 ( 2006.01 )  
F02M 61/16 ( 2006.01 )  
(31) 2113870.6 (32) 28.09.21 (33) GB  
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(72) Browne, Kevin; McCarthy, Paul  
(74) Madderns Pty Ltd

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(54) INTERNAL COMBUSTION ENGINE  
(51) Int. Cl.  
F02M 21/02 ( 2006.01 )  
F02B 43/10 ( 2006.01 )  
F02D 19/02 ( 2006.01 )  
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(72) Browne, Kevin; McCarthy, Paul  
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(54) INTERNAL COMBUSTION ENGINE  
(51) Int. Cl.  
F02M 21/02 ( 2006.01 )  
F02B 43/10 ( 2006.01 )  
F02D 19/02 ( 2006.01 )  
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(43) 13.04.2023  
(72) Browne, Kevin; McCarthy, Paul  
(74) Madderns Pty Ltd

(71) Johnson & Johnson Consumer Inc.  
(11) AU-A-2023201534  
(21) 2023201534 (22) 13.03.2023  
(54) Ophthalmic composition  
(51) Int. Cl.  
A61K 9/00 ( 2006.01 )  
A61K 31/00 ( 2006.01 )  
A61L 12/14 ( 2006.01 )  
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(62) 2021200514  
(72) BAI, Minggi; HOLEVA, Kenneth T.  
(74) Spruson & Ferguson

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(54) An improved process for preparation of stable protein solution  
(51) Int. Cl.  
A61K 39/395 ( 2006.01 )  
C07K 1/20 ( 2006.01 )  
C12P 21/06 ( 2006.01 )  
G01N 33/68 ( 2006.01 )  
(31) IN202121043419 (32) 24.09.21 (33) IN  
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(72) SHARMA, Shalini; KATRODIYA, Hetal  
(74) FB Rice Pty Ltd

(71) Kite Pharma, Inc.  
(11) AU-A-2023201386  
(21) 2023201386 (22) 07.03.2023  
(54) Methods and systems for performing a patient-specific immunotherapy procedure with chain-of-custody and chain-of-identity biological sample tracking  
(51) Int. Cl.  
C07K 16/30 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )

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(72) SUSARCHICK, Debra; UHRIN, John; KORFIN, Michele  
(74) FPA Patent Attorneys Pty Ltd

(71) KUANG, W.  
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(54) SHOWER DEVICE  
(51) Int. Cl.  
E03C 1/02 ( 2006.01 )  
A47K 3/28 ( 2006.01 )  
A47K 7/04 ( 2006.01 )  
E03B 11/02 ( 2006.01 )  
E03C 1/06 ( 2006.01 )  
(31) 202122386882.8 (32) 29.09.21 (33) CN  
(43) 13.04.2023  
(72) KUANG, Woguang  
(74) Patenteur Pty Ltd

(71) Landis+Gyr Innovations, Inc.  
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(21) 2023201665 (22) 17.03.2023  
(54) Voice-activated energy management system  
(51) Int. Cl.  
G06Q 50/06 ( 2012.01 )  
G01D 4/00 ( 2006.01 )  
G06Q 30/00 ( 2023.01 )  
H04Q 9/00 ( 2006.01 )  
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(74) Davies Collison Cave Pty Ltd

(71) Latham Pool Products, Inc.  
(11) AU-A-2022241481  
(21) 2022241481 (22) 27.09.2022  
(54) POOL SHELL AND METHODS OF MANUFACTURE  
(51) Int. Cl.  
E04H 4/00 ( 2006.01 )  
E04H 4/14 ( 2006.01 )  
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(72) Richards, Thom P.; Gately, William Frank; Mitchell, Alexander Joseph; Black Jr., Richard E.  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023201854 (22) 24.03.2023  
 (54) Method for coding transform coefficient on basis of high frequency zeroing and apparatus therefor  
 (51) Int. Cl.  
     H04N 19/91 ( 2014.01 )  
     H04N 19/122 ( 2014.01 )  
     H04N 19/124 ( 2014.01 )  
     H04N 19/132 ( 2014.01 )  
     H04N 19/176 ( 2014.01 )  
     H04N 19/18 ( 2014.01 )  
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 (62) 2019378514  
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 (74) Dentons Patent Attorneys Australasia Limited

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 (51) Int. Cl.  
     C09J 11/04 ( 2006.01 )  
     C08K 3/22 ( 2006.01 )  
     C08K 3/26 ( 2006.01 )  
     C08K 3/38 ( 2006.01 )  
     C09J 103/02 ( 2006.01 )  
     C09J 103/06 ( 2006.01 )  
     C09J 103/10 ( 2006.01 )  
     C09J 189/00 ( 2006.01 )  
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 (72) LIEN, CHIEN-FAN  
 (74) ALDRICH PROJECTS PTY LTD

(71) Magellan Stem Cells Pty Ltd  
 (11) AU-A-2023201505  
 (21) 2023201505 (22) 10.03.2023  
 (54) Methods of treatment  
 (51) Int. Cl.  
     A61K 35/28 ( 2015.01 )  
     A61B 17/56 ( 2006.01 )  
     A61P 19/02 ( 2006.01 )  
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 (72) HANSEN, Peter; FREITAG, Julien; SHAH, Kiran  
 (74) FB Rice Pty Ltd

(71) Magic Leap, Inc.  
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 (54) Method and system for high resolution digitized display  
 (51) Int. Cl.  
     G02B 27/40 ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Massachusetts Institute of Technology  
 (11) AU-A-2023201630  
 (21) 2023201630 (22) 15.03.2023  
 (54) Circular RNA for translation in eukaryotic cells  
 (51) Int. Cl.  
     A61K 48/00 ( 2006.01 )  
     A61K 31/7088 ( 2006.01 )  
     A61K 31/7105 ( 2006.01 )  
     C12N 15/115 ( 2010.01 )  
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 (72) ANDERSON, Daniel G.; WESSEL-HOEFT, Robert Alexander; KOWALSKI, Piotr S.  
 (74) Spruson & Ferguson

(71) MeiraGTx UK II Limited  
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 (54) High throughput cell-based screening for aptamers  
 (51) Int. Cl.  
     C12Q 1/68 ( 2018.01 )  
     C12N 15/10 ( 2006.01 )  
     C12N 15/113 ( 2010.01 )  
     C12N 15/115 ( 2010.01 )  
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 (62) 2017306657  
 (72) Guo, Xuecui; Feng, Lei; Forbes, Alexandria  
 (74) Davies Collison Cave Pty Ltd

MGI Tech Co., Ltd. see BGI Shenzhen  
 (21) 2023201547

(71) Michel, N.  
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 (54) The GecoDryer - A Green Ecofriendly Dryer Alternative  
 (51) Int. Cl.  
     D06F 58/02 ( 2006.01 )  
     D06F 49/00 ( 2006.01 )  
     D06F 58/20 ( 2006.01 )  
 (31) 2021903071 (32) 24.09.21 (33) AU  
 (43) 13.04.2023  
 (72) Michel, Norbert  
 (74) Norbert Michel

(71) Micro Motion, Inc.  
 (11) AU-A-2023201596  
 (21) 2023201596 (22) 15.03.2023  
 (54) STABILIZED MODE SPLITTING FIN SENSOR  
 (51) Int. Cl.  
     G01F 1/00 ( 2022.01 )  
     G01C 19/56 ( 2012.01 )  
     G01F 1/84 ( 2006.01 )  
     G01F 23/296 ( 2022.01 )  
     G01N 9/00 ( 2006.01 )  
     G01N 11/00 ( 2006.01 )  
     G01N 29/02 ( 2006.01 )

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 (62) 2019462206  
 (72) Schlosser, Martin Andrew; Schollenberger, Frederick Scott; Weinstein, Joel  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Micro Motion, Inc.  
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 (54) STABILIZED MODE SPLITTING FIN SENSOR  
 (51) Int. Cl.  
     G01F 1/00 ( 2022.01 )  
     G01C 19/56 ( 2012.01 )  
     G01F 1/84 ( 2006.01 )  
     G01F 23/296 ( 2022.01 )  
     G01N 9/00 ( 2006.01 )  
     G01N 11/00 ( 2006.01 )  
     G01N 29/02 ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Micro Motion, Inc.  
 (11) AU-A-2023201598  
 (21) 2023201598 (22) 15.03.2023  
 (54) STABILIZED MODE SPLITTING FIN SENSOR  
 (51) Int. Cl.  
     G01F 1/00 ( 2022.01 )  
     G01C 19/56 ( 2012.01 )  
     G01F 1/84 ( 2006.01 )  
     G01F 23/296 ( 2022.01 )  
     G01N 9/00 ( 2006.01 )  
     G01N 11/00 ( 2006.01 )  
     G01N 29/02 ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2023201456

(71) Muggleton, K.  
 (11) AU-A-2023201542  
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 (54) A system for introducing gas into a gas grid pipeline  
 (51) Int. Cl.  
     B01F 23/10 ( 2022.01 )  
     C10L 3/08 ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017264807  
 (72) MUGGLETON, Kevin James  
 (74) FB Rice Pty Ltd

(71) Musculoskeletal Transplant Foundation  
 (11) AU-A-2022241534  
 (21) 2022241534 (22) 29.09.2022  
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**A61L 27/36** ( 2006.01 )  
**A61F 2/02** ( 2006.01 )  
**A61L 27/40** ( 2006.01 )  
**A61L 27/54** ( 2006.01 )
- (31) 63/249,639 (32) 29.09.21 (33) US  
(43) 13.04.2023  
(72) Basile, Michael Vincent; Bhattacharya, Subhabrata; McAllister, Michele Christine  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Nanjing Institute of Agricultural Mechanization, Ministry of Agriculture and Rural Affairs  
(11) AU-A-2022256171  
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(54) Weeding robot and method, apparatus for planning weeding path for the same and medium  
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(74) GLMR
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**B29C 45/00** ( 2006.01 )
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- (71) NKT HV Cables AB  
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(21) 2022228131 (22) 07.09.2022  
(54) Method of jointing a power cable  
(51) Int. Cl.  
**H02G 1/14** ( 2006.01 )  
**H01B 13/26** ( 2006.01 )  
**H01B 17/30** ( 2006.01 )  
**H02G 15/24** ( 2006.01 )
- (31) EP21200248.9 (32) 30.09.21 (33) EP  
(43) 13.04.2023  
(72) RÉBILLARD, Eric; JOHANSSON, Helena; JOHANSSON, Tommy  
(74) Griffith Hack
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- (71) Novartis AG; Intellia Therapeutics, Inc.  
(11) AU-A-2023201162  
(21) 2023201162 (22) 27.02.2023  
(54) Compositions and methods for immunooncology  
(51) Int. Cl.
- C12N 15/113** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2023201554  
(21) 2023201554 (22) 14.03.2023  
(54) POROUS SPINAL FUSION IMPLANT  
(51) Int. Cl.  
**A61F 2/44** ( 2006.01 )
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(72) Unger, Jesse; Malik, Jeremy; Donahoe, Ryan  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) NuVasive, Inc.  
(11) AU-A-2023201555  
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(51) Int. Cl.  
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(11) AU-A-2023201566  
(21) 2023201566 (22) 14.03.2023  
(54) EYEWEAR WITH CHROMA ENHANCEMENT  
(51) Int. Cl.  
**G02C 7/10** ( 2006.01 )  
**B29C 45/16** ( 2006.01 )  
**B29D 11/00** ( 2006.01 )
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(74) Davies Collison Cave Pty Ltd
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- (71) One Home Brands, Inc.  
(11) AU-A-2023201667  
(21) 2023201667 (22) 17.03.2023  
(54) Stable anhydrous foaming and gelling hand soap concentrate and method of making same  
(51) Int. Cl.  
**C11D 3/00** ( 2006.01 )  
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**C11D 11/00** ( 2006.01 )  
**C11D 17/00** ( 2006.01 )  
**C11D 17/06** ( 2006.01 )
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(62) 2017233898  
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- (71) Paltronics Australasia Pty Limited  
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(21) 2022283629 (22) 05.12.2022  
(54) A METHOD OF PROVIDING A TABLE GAME AND AN ASSOCIATED SYSTEM  
(51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**A63F 13/332** ( 2014.01 )
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(62) 2021240238  
(72) Wright, Dean; Palmisano, Angelo  
(74) Adams Pluck
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(11) AU-A-2023201512  
(21) 2023201512 (22) 10.03.2023  
(54) Communication apparatus and communication method  
(51) Int. Cl.  
**H04W 28/06** ( 2009.01 )  
**H04W 74/02** ( 2009.01 )  
**H04W 84/12** ( 2009.01 )
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(62) 2018224614  
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 (51) Int. Cl.  
**A61K 39/09** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Phantasm Limited  
 (11) AU-A-2023201546  
 (21) 2023201546 (22) 14.03.2023  
 (54) GRAPE SKIN COMPOSITIONS AND COMPOUNDS, AND METHODS OF PREPARATION AND USE THEREFOR  
 (51) Int. Cl.  
**C12F 3/06** ( 2006.01 )  
**C12C 3/00** ( 2006.01 )  
**C12C 5/00** ( 2006.01 )  
**C12G 1/02** ( 2006.01 )  
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 (62) 2021288251  
 (72) RUFFELL, Joshua  
 (74) Southern Cross Intellectual Property

(71) Pluto Inc.  
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 (54) METHODS AND SYSTEMS FOR GENERATING AND PROVIDING PROGRAM GUIDES AND CONTENT  
 (51) Int. Cl.  
**H04N 21/458** ( 2011.01 )  
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 (11) AU-A-2023201517  
 (21) 2023201517 (22) 10.03.2023  
 (54) Methods and systems for generating and providing program guides and content  
 (51) Int. Cl.  
**H04N 21/431** ( 2011.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) Polaris Industries Inc.  
 (11) AU-A-2023201614  
 (21) 2023201614 (22) 15.03.2023  
 (54) Device and method for improving route planning computing devices  
 (51) Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G06Q 10/04** ( 2023.01 )  
 (43) 13.04.2023  
 (62) 2021201050  
 (72) Freed, Erik S.  
 (74) Griffith Hack

(71) Polaris Industries Inc.  
 (11) AU-A-2023201616  
 (21) 2023201616 (22) 15.03.2023  
 (54) Device and method for improving route planning computing devices  
 (51) Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G06Q 10/04** ( 2023.01 )  
 (43) 13.04.2023  
 (62) 2021201050  
 (72) Freed, Erik S.  
 (74) Griffith Hack

(71) Polaris Industries Inc.  
 (11) AU-A-2023201623  
 (21) 2023201623 (22) 15.03.2023  
 (54) Device and method for improving route planning computing devices  
 (51) Int. Cl.  
**G01C 21/20** ( 2006.01 )  
**G06Q 10/04** ( 2023.01 )  
 (43) 13.04.2023  
 (62) 2021201050  
 (72) Freed, Erik S.  
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(71) Poly Gain Pte Ltd  
 (11) AU-A-2023201457  
 (21) 2023201457 (22) 08.03.2023  
 (54) Sugar cane extracts for use in animal feeds  
 (51) Int. Cl.  
**A23K 10/33** ( 2016.01 )  
**A23K 20/111** ( 2016.01 )  
**A61K 31/192** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (21) 2023201685 (22) 17.03.2023  
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 (51) Int. Cl.

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 (21) 2023201636 (22) 15.03.2023  
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 (51) Int. Cl.  
**C09K 17/52** ( 2006.01 )  
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 (62) 2020267281  
 (72) Spittle, Kevin Scott; Bowers, Gary Lane  
 (74) Adams Pluck

(71) Pulmokine, Inc.; Gilead Sciences, Inc.  
 (11) AU-A-2023201605  
 (21) 2023201605 (22) 15.03.2023  
 (54) NON-SELECTIVE KINASE INHIBITORS  
 (51) Int. Cl.  
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 (72) Zisman, Lawrence S.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) RAI Strategic Holdings, Inc.  
 (11) AU-A-2023201297  
 (21) 2023201297 (22) 02.03.2023  
 (54) Pressure sensing for an aerosol delivery device  
 (51) Int. Cl.  
**A24F 47/00** ( 2020.01 )  
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 (74) FB Rice Pty Ltd

(71) Red Bull GmbH  
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 (21) 2023201503 (22) 10.03.2023  
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 (51) Int. Cl.  
**A23L 2/60** ( 2006.01 )  
**A23L 27/30** ( 2016.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (54) Anti-VEGF protein compositions and methods for producing the same  
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**C07K 1/18** ( 2006.01 )

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 (72) TUSTIAN, Andrew; VARTAK, Ankit; DALY, Thomas; PYLES, Erica; PALACKAL, Nisha; WANG, Shunhai; LI, Ning; FRANKLIN, Matthew  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2023201586  
 (21) 2023201586 (22) 14.03.2023  
 (54) Anti-VEGF protein compositions and methods for producing the same  
 (51) Int. Cl.  
 C12N 5/00 ( 2006.01 )

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 (62) 2020397803  
 (72) LAWRENCE, Shawn; JOHNSON, Amy; CASEY, Meghan; MASTROGIACOMO, Jaimie; WANG, Shunhai; LI, Ning  
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 (11) AU-A-2023201588  
 (21) 2023201588 (22) 14.03.2023  
 (54) Anti-VEGF protein compositions and methods for producing the same  
 (51) Int. Cl.  
 C07K 1/18 ( 2006.01 )

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 (62) 2020396490  
 (72) TUSTIAN, Andrew; VARTAK, Ankit; DALY, Thomas; PYLES, Erica; PALACKAL, Nisha  
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 (11) AU-A-2023201590  
 (21) 2023201590 (22) 14.03.2023  
 (54) Anti-VEGF protein compositions and methods for producing the same  
 (51) Int. Cl.  
 C07K 1/18 ( 2006.01 )

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 (62) 2020397865  
 (72) TUSTIAN, Andrew; VARTAK, Ankit; DALY, Thomas; PYLES, Erica; PALACKAL, Nisha; WANG, Shunhai; LI, Ning  
 (74) Davies Collison Cave Pty Ltd

(71) Reliance Worldwide Corporation (Aust.) Pty. Ltd.  
 (11) AU-A-2023201575  
 (21) 2023201575 (22) 14.03.2023  
 (54) Pipe connection fitting  
 (51) Int. Cl.  
 F16L 37/091 ( 2006.01 )

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 (62) 2022200128  
 (72) GLEDHILL, Jeremy; KLUSS, William Vernon  
 (74) Allens Patent & Trade Mark Attorneys

(71) Research Institute at Nationwide Children's Hospital  
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 (21) 2023200175 (22) 13.01.2023  
 (54) Recombinant Adeno-Associated Virus Delivery Of Exon 2-Targeted U7snRNA Polynucleotide Constructs

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 C07K 14/47 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
 C12N 15/86 ( 2006.01 )

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 (72) FLANIGAN, Kevin; VULIN-CHAFFIOL, Adeline; WEIN, Nicolas  
 (74) WRAYS PTY LTD

(71) Rite-Hite Holding Corporation  
 (11) AU-A-2023201634  
 (21) 2023201634 (22) 15.03.2023  
 (54) Apparatus and methods for sensing vehicle positioning and vehicle restraint movement

(51) Int. Cl.  
 B65G 69/00 ( 2006.01 )

(43) 13.04.2023  
 (62) 2020219806  
 (72) SVEUM, Matthew; MUSHYNSKI, Alan; SENFLEBEN, Jason  
 (74) WRAYS PTY LTD

(71) Rolapal Limited  
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 (54) A cushion  
 (51) Int. Cl.

A47C 27/08 ( 2006.01 )  
 A47C 7/02 ( 2006.01 )  
 A47C 7/42 ( 2006.01 )  
 A61G 5/10 ( 2006.01 )  
 A61G 5/12 ( 2006.01 )

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 (72) Scarlett, Roydon Mark  
 (74) AJ Pietras IP Limited

(71) ROPA SYSTEMS PTY LTD  
 (11) AU-A-2023201654  
 (21) 2023201654 (22) 16.03.2023  
 (54) WINDOW FRAME AND ARCHITRAVE ASSEMBLY

(51) Int. Cl.  
 E06B 1/04 ( 2006.01 )  
 E06B 1/36 ( 2006.01 )  
 E06B 1/60 ( 2006.01 )  
 E06B 3/26 ( 2006.01 )

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 (62) 2021202587  
 (72) PANNUNZIO, Rocco  
 (74) Churchill Attorneys

(71) Sabic Global Technologies B.V.  
 (11) AU-A-2023201526  
 (21) 2023201526 (22) 12.03.2023  
 (54) Enhanced efficiency fertilizer with urease inhibitor and nitrification inhibitor separated within the same particle

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 C05C 9/00 ( 2006.01 )  
 C05G 3/00 ( 2020.01 )

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 (11) AU-A-2023201543  
 (21) 2023201543 (22) 13.03.2023  
 (54) Method and apparatus for controlling uplink transmission power in wireless communication system

(51) Int. Cl.  
 H04W 52/24 ( 2009.01 )  
 H04W 52/14 ( 2009.01 )

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 (74) Griffith Hack

(71) SAMYANG CORPORATION  
 (11) AU-A-2023201711  
 (21) 2023201711 (22) 20.03.2023  
 (54) Method for producing functional crystalline sweetener

(51) Int. Cl.  
 C07H 3/02 ( 2006.01 )  
 A23L 27/30 ( 2016.01 )  
 C07H 1/00 ( 2006.01 )

(43) 13.04.2023  
 (62) 2021286421  
 (72) KIM, Go-Eun; YANG, Jae-Kyung; RYU, Kyung-Hun; PARK, Sung Won; PARK, Ji Won; CHOI, Eunsoo  
 (74) Griffith Hack

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 (11) AU-A-2023201795  
 (21) 2023201795 (22) 22.03.2023  
 (54) FUNCTIONAL CRYSTALLINE SWEETENER

(51) Int. Cl.  
 C07H 3/02 ( 2006.01 )  
 A23L 27/30 ( 2016.01 )  
 C07H 1/00 ( 2006.01 )

(43) 13.04.2023  
 (62) PCT/KR2018/001830  
 (72) KIM, Go-Eun; PARK, Ji Won; PARK, Sung Won; RYU, Kyung-Hun; PARK, Chong Jin  
 (74) Griffith Hack

(71) Sanguine Technology, LLC  
 (11) AU-A-2023201687  
 (21) 2023201687 (22) 17.03.2023  
 (54) Systems and methods for providing osotomy faceplates in close proximity with negative pressure  
 (51) Int. Cl.

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**(72)** GRANET, Rosemary; GRANET, Paul; MURPHY, Gregory  
**(74)** Spruson & Ferguson
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- (71)** Schneider Electric Industries SAS  
**(11)** AU-A-2022235576  
**(21)** 2022235576 **(22)** 21.09.2022  
**(54)** ELECTRICITY DISTRIBUTION SYSTEM FOR A DOMESTIC INSTALLATION, METHOD FOR MANAGING SUCH AN ELECTRICITY DISTRIBUTION SYSTEM  
**(51)** Int. Cl.  
**H02J 3/10** ( 2006.01 )  
**H02H 3/08** ( 2006.01 )  
**H02J 7/04** ( 2006.01 )  
**(31)** 2110100 **(32)** 24.09.21 **(33)** FR  
**(43)** 13.04.2023  
**(72)** Lebeau, Bernard; Du Port De Poncharra, Etienne; Bur, Emmanuel; Fassi, Brice  
**(74)** Madderns Pty Ltd
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- (71)** Schneider Electric Industries SAS  
**(11)** AU-A-2022235581  
**(21)** 2022235581 **(22)** 21.09.2022  
**(54)** ELECTRICITY DISTRIBUTION SYSTEM FOR A DOMESTIC INSTALLATION COMPRISING MULTIPLE ELECTRICAL SOURCES  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**H02J 3/34** ( 2006.01 )  
**H02J 9/04** ( 2006.01 )  
**(31)** 2110100 **(32)** 24.09.21 **(33)** FR  
 22305033.7 14.01.22 EP  
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**(72)** Lebeau, Bernard; Du Port De Poncharra, Etienne; Bur, Emmanuel  
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- (71)** Schneider Electric Industries SAS  
**(11)** AU-A-2022235584  
**(21)** 2022235584 **(22)** 21.09.2022  
**(54)** ELECTRICITY DISTRIBUTION SYSTEM FOR A DOMESTIC INSTALLATION COMPRISING MULTIPLE ELECTRICAL SOURCES  
**(51)** Int. Cl.  
**H02J 3/00** ( 2006.01 )  
**(31)** 2110100 **(32)** 24.09.21 **(33)** FR  
 22305033.7 14.01.22 EP  
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**(43)** 13.04.2023  
**(72)** Lebeau, Bernard; Du Port De Poncharra, Etienne; Bur, Emmanuel  
**(74)** Madderns Pty Ltd
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- (71)** SenseTime International Pte. Ltd.  
**(11)** AU-A-2021240260  
**(21)** 2021240260 **(22)** 28.09.2021
- (54)** Methods for identifying an object sequence in an image, training methods, apparatuses and devices  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**(31)** 10202110631T **(32)** 24.09.21 **(33)** SG  
**(43)** 13.04.2023  
**(72)** MA, Jiabin; NIU, Daming; WU, Jinyi; CHEN, Jinghuan; LIU, Chunya  
**(74)** Madderns Pty Ltd
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- (71)** SenseTime International Pte. Ltd.  
**(11)** AU-A-2021240276  
**(21)** 2021240276 **(22)** 28.09.2021  
**(54)** Methods, apparatuses, devices and storage media for switching states of card games  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**A63F 1/00** ( 2006.01 )  
**(31)** 10202110685Y **(32)** 27.09.21 **(33)** SG  
**(43)** 13.04.2023  
**(72)** XIE, Fei; WANG, Xinxin  
**(74)** Madderns Pty Ltd
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- (71)** SenseTime International Pte. Ltd.  
**(11)** AU-A-2021240277  
**(21)** 2021240277 **(22)** 28.09.2021  
**(54)** Methods and apparatuses for classifying game props and training neural network  
**(51)** Int. Cl.  
**G06K 9/00** ( 2006.01 )  
**A63F 1/00** ( 2006.01 )  
**(31)** 10202110639U **(32)** 27.09.21 **(33)** SG  
**(43)** 13.04.2023  
**(72)** MA, Jiabin; CHEN, Jinghuan; LIU, Chunya  
**(74)** Madderns Pty Ltd
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- Shaaban, A.F. see Thandra, V.**  
**(21)** 2023201440
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- (71)** SharkNinja Operating LLC  
**(11)** AU-A-2023201663  
**(21)** 2023201663 **(22)** 17.03.2023  
**(54)** SURFACE TREATMENT APPARATUSES AND METHODS  
**(51)** Int. Cl.  
**A47L 13/22** ( 2006.01 )  
**A47L 13/20** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2021201648  
**(72)** Vrdoljak, Ognjen; Innes, Dan  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** SHEPHERD, S.L.  
**(11)** AU-A-2022224703  
**(21)** 2022224703 **(22)** 29.08.2022  
**(54)** TETRATERPENES FOR USE IN CANCER THERAPY  
**(51)** Int. Cl.  
**A61K 31/122** ( 2006.01 )  
**A61K 31/7034** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )
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- (31)** 17/487,486 **(32)** 28.09.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** SHEPHERD, Samuel L.  
**(74)** Halfords IP
- 
- (71)** SJB Groundforce Pty Ltd  
**(11)** AU-A-2022221424  
**(21)** 2022221424 **(22)** 23.08.2022  
**(54)** A Trolley Decontamination Apparatus and Associated Method  
**(51)** Int. Cl.  
**B08B 3/02** ( 2006.01 )  
**A61L 2/18** ( 2006.01 )  
**B60S 3/00** ( 2006.01 )  
**B60S 3/04** ( 2006.01 )  
**(31)** 2021903075 **(32)** 24.09.21 **(33)** AU  
**(43)** 13.04.2023  
**(72)** Bandiera, Stephen  
**(74)** Adams Pluck
- 
- (71)** Smiths Detection Inc.  
**(11)** AU-A-2023201587  
**(21)** 2023201587 **(22)** 14.03.2023  
**(54)** Detector assembly for use in CT imaging systems  
**(51)** Int. Cl.  
**G01T 1/20** ( 2006.01 )  
**G01N 23/02** ( 2006.01 )  
**G01T 1/29** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2017202532  
**(72)** BURES, Brian Lee; BASU, Samit Kumar  
**(74)** Spruson & Ferguson
- 
- (71)** Snap-on Incorporated  
**(11)** AU-A-2023201581  
**(21)** 2023201581 **(22)** 14.03.2023  
**(54)** QUICK CHANGE INDEXABLE RATCHET HEAD  
**(51)** Int. Cl.  
**B25B 13/46** ( 2006.01 )  
**B25B 21/00** ( 2006.01 )  
**B25B 23/00** ( 2006.01 )  
**B25F 3/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2021202197  
**(72)** SCHULZ, Ben T.  
**(74)** Griffith Hack
- 
- (71)** Société des Produits Nestlé S.A.  
**(11)** AU-A-2023201538  
**(21)** 2023201538 **(22)** 13.03.2023  
**(54)** Methods and compositions using Bifidobacterium longum to treat or prevent depressive symptoms  
**(51)** Int. Cl.  
**A61K 35/745** ( 2015.01 )  
**A61P 25/24** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2016315266  
**(72)** BERGONZELLI DEGONDA, Gabriela; ALVES NUNES, Tiago; MARQUARDT, Valerie; SCHMITT, Jeroen Antonius Johannes  
**(74)** Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- (71) Société des Produits Nestlé S.A.  
 (11) AU-A-2023201539  
 (21) 2023201539 (22) 13.03.2023  
 (54) Methods and compositions using Bifidobacterium longum to modulate emotional reactivity and treat or prevent sub-clinical mood disturbances  
 (51) Int. Cl.  
**A61K 35/745** ( 2015.01 )  
**A61P 25/24** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2016315268  
 (72) BERGONZELLI DEGONDA, Gabriela; ALVES NUNES, Tiago; MARQUARDT, Valerie; SCHMITT, Jeroen Antonius Johannes  
 (74) Spruson & Ferguson
- 
- (71) Spacecraft Seven, LLC  
 (11) AU-A-2023201237  
 (21) 2023201237 (22) 01.03.2023  
 (54) Gene therapy vectors for treatment of Danon Disease  
 (51) Int. Cl.  
**C12N 15/864** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020221842  
 (72) KERAVALA, Annahita; PRABHAKAR, Raj; SHAH, Gaurav; WONG, Roderick; YALAMANCHI, Naveen; PRATUM-SUWAN, Piratip  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Spruce Biosciences, Inc.  
 (11) AU-A-2023201703  
 (21) 2023201703 (22) 20.03.2023  
 (54) Corticotropin releasing factor receptor antagonists  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018318990  
 (72) HOWERTON, Alexis; GERBER, Hal; KARABORNI, Sami  
 (74) FB Rice Pty Ltd
- 
- (71) Stakeshop Pty Ltd  
 (11) AU-A-2022221447  
 (21) 2022221447 (22) 24.08.2022  
 (54) Method, System And Software Platform For Transferring Shares Between Holdings  
 (51) Int. Cl.  
**G06Q 40/04** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
 (31) 2021903105 (32) 28.09.21 (33) AU  
 (43) 13.04.2023  
 (72) Bassin, David; Robertson, Alexander  
 (74) Alder IP Pty Ltd
- 
- State Grid Jiangsu Electric Power Co., Ltd see State Grid Jiangsu Electric Power Co., LTD, Nanjing Power Supply Branch  
 (21) 2021273526
- 
- (71) State Grid Jiangsu Electric Power Co., LTD, Nanjing Power Supply Branch; State Grid Jiangsu Electric Power Co., Ltd  
 (11) AU-A-2021273526  
 (21) 2021273526 (22) 22.11.2021  
 (54) A DECISION-MAKING OPTIMIZATION METHOD AND SYSTEM TO INVEST IN AND CONSTRUCT A HYBRID RENEWABLE ENERGY SYSTEM FOR MULTIPLE SCENARIOS  
 (51) Int. Cl.  
**G06Q 50/06** ( 2012.01 )  
**G05B 17/02** ( 2006.01 )  
**G06Q 10/06** ( 2012.01 )  
**H02J 3/38** ( 2006.01 )  
 (31) 20211137929.5 (32) 27.09.21 (33) CN  
 (43) 13.04.2023  
 (72) Ma, Qian; Xu, Chao; Huang, Xiang; Wang, Feng; Liu, Huichuan; Wu, Shuang; Xu, Jiaqi; Xu, Honghua  
 (74) Madderns Pty Ltd
- 
- (71) Stockholm Precision Tools S.L  
 (11) AU-A-2022235515  
 (21) 2022235515 (22) 19.09.2022  
 (54) Device And System For Orienting Core Samples  
 (51) Int. Cl.  
**E21B 25/16** ( 2006.01 )  
**E21B 47/024** ( 2006.01 )  
**E21B 47/12** ( 2012.01 )  
**E21B 49/02** ( 2006.01 )  
**G01C 9/06** ( 2006.01 )  
**G01C 19/00** ( 2013.01 )  
**G01N 1/04** ( 2006.01 )  
**G01N 1/08** ( 2006.01 )  
 (31) U202131925 (32) 29.09.21 (33) ES  
 (43) 13.04.2023  
 (72) Ramirez Ozuna, Orlando Rene  
 (74) WRAYS PTY LTD
- 
- (71) Subramanya, B.  
 (11) AU-A-2023201610  
 (21) 2023201610 (22) 15.03.2023  
 (54) Directional speed and distance sensor  
 (51) Int. Cl.  
**G01S 7/292** ( 2006.01 )  
**G01S 13/12** ( 2006.01 )  
**G01S 13/93** ( 2020.01 )  
 (43) 13.04.2023  
 (62) 2021201643  
 (72) Subramanya, Balu  
 (74) Griffith Hack
- 
- (71) Sungbo Industrial Co., Ltd.  
 (11) AU-A-2023201458  
 (21) 2023201458 (22) 08.03.2023  
 (54) Combined structure  
 (51) Int. Cl.  
**E02F 9/28** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021215097  
 (72) SONG, Keun Chul; RYU, Dae Hyun; LEE, Hyun Soo  
 (74) FB Rice Pty Ltd
- 
- (71) Superior Power Tool Co., Ltd.  
 (11) AU-A-2022209326  
 (21) 2022209326 (22) 28.07.2022  
 (54) BAGLESS GAS CANISTER FOR GAS NAILER  
 (51) Int. Cl.  
**F17C 1/00** ( 2006.01 )  
**B25C 1/08** ( 2006.01 )  
**B25C 7/00** ( 2006.01 )  
**B65D 83/14** ( 2006.01 )  
 (31) 110136558 (32) 30.09.21 (33) TW  
 (43) 13.04.2023  
 (72) Liu, Yun-Chung; Yang, Mao Yao  
 (74) Madderns Pty Ltd
- 
- (71) SUPERSONIC IMAGINE  
 (11) AU-A-2022209258  
 (21) 2022209258 (22) 27.07.2022  
 (54) Method and system for processing a set of signals received by a transducer element  
 (51) Int. Cl.  
**G01S 15/89** ( 2006.01 )  
**G01S 7/52** ( 2006.01 )  
 (31) 21315189.7 (32) 24.09.21 (33) EP  
 (43) 13.04.2023  
 (72) Fraschini, Christophe  
 (74) Ellis Terry
- 
- (71) Synthorx, Inc.  
 (11) AU-A-2023201482  
 (21) 2023201482 (22) 09.03.2023  
 (54) Cytokine conjugates for the treatment of autoimmune diseases  
 (51) Int. Cl.  
**C07K 14/55** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**C12N 15/26** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018309172  
 (72) PTACIN, Jerod; CAFFARO, Carolina E.; MILLA, Marcos  
 (74) Griffith Hack
- 
- (71) Techtronic Cordless GP  
 (11) AU-A-2022221523  
 (21) 2022221523 (22) 26.08.2022  
 (54) Robot gardening tool system and method for robot gardening tool  
 (51) Int. Cl.  
**A01D 34/63** ( 2006.01 )  
**B25J 5/00** ( 2006.01 )  
**B25J 5/02** ( 2006.01 )  
**B25J 11/00** ( 2006.01 )  
**G05B 19/02** ( 2006.01 )  
 (31) 202111151237.6 (32) 29.09.21 (33) CN  
 (43) 13.04.2023  
 (72) LIU, Heng Sheng  
 (74) Spruson & Ferguson
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- (71) Techtronic Cordless GP  
 (11) AU-A-2022231764  
 (21) 2022231764 (22) 16.09.2022  
 (54) Trimmer guard and trimmer  
 (51) Int. Cl.  
**A01D 34/416** ( 2006.01 )  
**B26B 27/00** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**B26B 29/00** ( 2006.01 )  
**(31)** 17/487,777 **(32)** 28.09.21 **(33)** US  
**(43)** 13.04.2023  
**(72)** WISEMAN, David; SMITH, Josh;  
 LOUNSBURY, Colin; BOYLES, Tyler  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2022241512  
**(21)** 2022241512 **(22)** 28.09.2022  
**(54)** Battery pack and electric tool comprising same  
**(51)** Int. Cl.  
**H01M 50/213** ( 2021.01 )  
**H01M 10/052** ( 2010.01 )  
**H01M 10/42** ( 2006.01 )  
**H01M 50/244** ( 2021.01 )  
**H01M 50/247** ( 2021.01 )  
**H01M 50/298** ( 2021.01 )  
**H01M 50/51** ( 2021.01 )  
**H02J 7/00** ( 2006.01 )  
**(31)** 202122389415.0 **(32)** 30.09.21 **(33)** CN  
**(43)** 13.04.2023  
**(72)** LEE, Hei Man; FAUTEUX, Denis  
 Gaston; WANG, Nan  
**(74)** Spruson & Ferguson

**(71)** Tencent America LLC  
**(11)** AU-A-2023201466  
**(21)** 2023201466 **(22)** 08.03.2023  
**(54)** SIGNALING OF SCALABILITY PARAMETERS IN VIDEO BITSTREAM  
**(51)** Int. Cl.  
**H04N 19/33** ( 2014.01 )  
**H04N 19/172** ( 2014.01 )  
**H04N 19/177** ( 2014.01 )  
**H04N 19/187** ( 2014.01 )  
**H04N 19/597** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 13.04.2023  
**(62)** 2020348402  
**(72)** CHOI, Byeongdo; WENGER, Stephan;  
 LIU, Shan  
**(74)** Golja Haines & Friend

**(71)** Tencent America LLC  
**(11)** AU-A-2023201604  
**(21)** 2023201604 **(22)** 15.03.2023  
**(54)** TILE AND SUB-PICTURE PARTITIONING  
**(51)** Int. Cl.  
**H04N 19/119** ( 2014.01 )  
**(43)** 13.04.2023  
**(62)** 2020237053  
**(72)** Choi, Byeongdo; Wenger, Stephan;  
 Liu, Shan  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Tencent America LLC  
**(11)** AU-A-2023201689  
**(21)** 2023201689 **(22)** 17.03.2023  
**(54)** Method for Signaling Output Layer Set with Sub Picture  
**(51)** Int. Cl.  
**H04N 19/577** ( 2014.01 )

**(43)** 13.04.2023  
**(62)** 2020352513  
**(72)** CHOI, Byeongdo; WENGER, Stephan;  
 LIU, Shan  
**(74)** Golja Haines & Friend

**(71)** Terra Quantum AG  
**(11)** AU-A-202221555  
**(21)** 202221555 **(22)** 26.08.2022  
**(54)** THERMAL AND ELECTROMAGNETIC GENERATION AND SWITCHING OF CHIRALITY IN FERROELECTRICS  
**(51)** Int. Cl.  
**H10N 30/045** ( 2023.01 )  
**B82B 1/00** ( 2006.01 )  
**G01R 33/3873** ( 2006.01 )  
**G02F 1/00** ( 2006.01 )  
**H01F 1/36** ( 2006.01 )  
**(31)** 21199906.5 **(32)** 29.09.21 **(33)** EP  
**(43)** 13.04.2023  
**(72)** LUKYANCHUK, Igor; TIKHONOV, Yurii;  
 RAZUMNAYA, Anna; VINOKUR, Valerii  
**(74)** Griffith Hack

**(71)** Thandra, V.; Shaaban, A.F.  
**(11)** AU-A-2023201440  
**(21)** 2023201440 **(22)** 08.03.2023  
**(54)** FLAT FEE AND INTERIM BILLS FOR PROFESSIONAL SERVICES FIRM  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06Q 20/14** ( 2012.01 )  
**(43)** 13.04.2023  
**(62)** 2021200945  
**(72)** Shaaban, Ahmed Farouk; Thandra,  
 Venkat  
**(74)** Murray Trento & Associates Pty Ltd

**(71)** The Administrators of the Tulane Educational Fund  
**(11)** AU-A-2023201439  
**(21)** 2023201439 **(22)** 08.03.2023  
**(54)** Concentrated solar photovoltaic and photothermal system  
**(51)** Int. Cl.  
**H02S 10/30** ( 2014.01 )  
**H02S 30/00** ( 2014.01 )  
**H02S 40/38** ( 2014.01 )  
**(43)** 13.04.2023  
**(62)** 2018224292  
**(72)** CODD, Daniel; ESCARRA, Matthew  
 David; RIGGS, Brian C.  
**(74)** Spruson & Ferguson

**(71)** The Beachwaver Co.  
**(11)** AU-A-2023201113  
**(21)** 2023201113 **(22)** 24.02.2023  
**(54)** DIGITALLY CONTROLLED HAIR DRYER  
**(51)** Int. Cl.  
**A45D 20/12** ( 2006.01 )  
**A45D 20/10** ( 2006.01 )  
**A45D 20/30** ( 2006.01 )

**(43)** 13.04.2023  
**(62)** 2018441457  
**(72)** POTEempa-WALL, Erin A.; KENNEDY,  
 Sarah J.; ALANIS, Luis Eduardo;  
 LOPEZ, Manuel Besnier  
**(74)** AJ PARK

**The Bizser Co., Ltd. see Winstar Development Group**  
**(21)** 2023201456

**(71)** The Cleveland Clinic Foundation  
**(11)** AU-A-2023201540  
**(21)** 2023201540 **(22)** 13.03.2023  
**(54)** CONFIGURING A DEEP BRAIN STIMULATION (DBS) SYSTEM TO TREAT A NEUROLOGICAL DISORDER  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2021210896  
**(72)** MACHADO, Andre; GOPALAKRISHNAN, Raghavan; BAKER, Kenneth  
**(74)** James & Wells Intellectual Property

**(71)** The Coca-Cola Company  
**(11)** AU-A-2023201273  
**(21)** 2023201273 **(22)** 01.03.2023  
**(54)** System and method to purchase from a vending machine by using a mobile phone  
**(51)** Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**G06Q 30/00** ( 2023.01 )  
**G06Q 30/02** ( 2023.01 )  
**G07F 11/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(62)** 2017238515  
**(72)** YAMAZAKI, Yasuhiro; SUGAWARA,  
 Tatsuya  
**(74)** FB Rice Pty Ltd

**(71)** The Regents of the University of California  
**(11)** AU-A-2023201675  
**(21)** 2023201675 **(22)** 17.03.2023  
**(54)** CRISPR-Cas effector polypeptides and methods of use thereof  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12N 15/90** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**(43)** 13.04.2023  
**(62)** 2020231380  
**(72)** AL-SHAYEB, Basem; DOUDNA, Jennifer A.; PAUSCH, Patrick; BANFIELD, Jillian F.  
**(74)** FB Rice Pty Ltd

**(71)** The Regents of The University of California  
**(11)** AU-A-2023201669  
**(21)** 2023201669 **(22)** 17.03.2023

Applications Open to Public Inspection - Name Index cont'd

(54) Compositions and methods for modulating hair growth  
 (51) Int. Cl.  
**C07D 413/12** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61K 31/405** ( 2006.01 )  
**A61P 17/14** ( 2006.01 )  
**C07C 255/41** ( 2006.01 )  
**C07D 209/18** ( 2006.01 )  
**C07D 275/03** ( 2006.01 )  
**C07D 417/06** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07F 9/38** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018294351  
 (72) Lowry, William E.; Jung, Michael E.; Christofk, Heather; Liu, Xiaoguang; Flores, Aimee  
 (74) Pearce IP Pty Ltd

(71) The Regents of the University of Colorado, A Body Corporate  
 (11) AU-A-2023201599  
 (21) 2023201599 (22) 15.03.2023  
 (54) DEVICE AND METHOD FOR WIRELESS MICROSTIMULATION  
 (51) Int. Cl.  
**A61N 2/02** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**A61N 1/375** ( 2006.01 )  
**A61N 1/40** ( 2006.01 )  
**A61N 2/00** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2020256199  
 (72) Caparso, Anthony V.; Mandava, Naresh; Davis, Richard J.; Kahook, Malik  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) The Trustees of Dartmouth College  
 (11) AU-A-2023201639  
 (21) 2023201639 (22) 15.03.2023  
 (54) ELECTRICAL IMPEDANCE SENSING DENTAL DRILL SYSTEM CONFIGURED TO DETECT CANCELLOUS-CORTICAL BONE AND BONE-SOFT TISSUE BOUNDARIES  
 (51) Int. Cl.  
**A61B 5/053** ( 2021.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 17/16** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61C 1/00** ( 2006.01 )  
**A61C 3/02** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2018231030  
 (72) Halter, Ryan; Butler, Rebecca; Salin, Michael  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) The Trustees of The University of Pennsylvania  
 (11) AU-A-2023201582  
 (21) 2023201582 (22) 14.03.2023  
 (54) Composition And Method For Treating Complement-Mediated Disease

(51) Int. Cl.  
**C12N 9/88** ( 2006.01 )  
**A61K 38/51** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2016326627  
 (72) Song, Wenchao; Gullipalli, Damodar; Miwa, Takashi  
 (74) WRAYS PTY LTD

(71) Translate Bio, Inc.  
 (11) AU-A-2023201651  
 (21) 2023201651 (22) 16.03.2023  
 (54) ENCAPSULATION OF MESSENGER RNA  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021200483  
 (72) DeRosa, Frank; Heartlein, Michael; Karve, Shirrang  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Translate Bio, Inc.  
 (11) AU-A-2023201655  
 (21) 2023201655 (22) 16.03.2023  
 (54) STEREOCHEMICALLY ENRICHED COMPOSITIONS FOR DELIVERY OF NUCLEIC ACIDS  
 (51) Int. Cl.  
**C07D 413/06** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021201357  
 (72) DeRosa, Frank; Heartlein, Michael; Karve, Shirrang  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Trisco ICAP Pty Ltd  
 (11) AU-A-2023201541  
 (21) 2023201541 (22) 13.03.2023  
 (54) An ingredient  
 (51) Int. Cl.  
**A23L 29/25** ( 2016.01 )  
**A61K 47/36** ( 2006.01 )  
**A61K 49/04** ( 2006.01 )  
**C08B 37/00** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2019227840  
 (72) TRISTRAM, Michael; MOSSEL, Brenda; SKARSHEWSKI, Peter  
 (74) FB Rice Pty Ltd

(71) Tygrus, LLC  
 (11) AU-A-2023201662  
 (21) 2023201662 (22) 17.03.2023  
 (54) Composition and method for treating and remediating aqueous waste streams  
 (51) Int. Cl.  
**C02F 1/461** ( 2023.01 )  
**C02F 1/48** ( 2023.01 )  
**C02F 1/58** ( 2023.01 )

(43) 13.04.2023  
 (62) 2017280369  
 (72) Carlson, Lawrence  
 (74) Griffith Hack

(71) University of Canberra  
 (11) AU-A-2023201671  
 (21) 2023201671 (22) 17.03.2023  
 (54) Ophthalmic compositions comprising levodopa, an antioxidant and an aqueous carrier  
 (51) Int. Cl.  
**A61K 31/198** ( 2006.01 )  
**A61K 31/375** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 27/10** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017250002  
 (72) Ashby, Regan  
 (74) Davies Collison Cave Pty Ltd

(71) University of Florida Research Foundation, Incorporated  
 (11) AU-A-2023201531  
 (21) 2023201531 (22) 13.03.2023  
 (54) IL-1Ra cDNAs  
 (51) Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12P 21/04** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2017371043  
 (72) Ghivizzani, Steven C.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ventana Medical Systems, Inc.  
 (11) AU-A-2023201682  
 (21) 2023201682 (22) 17.03.2023  
 (54) Protein proximity assay in formalin fixed paffafin embedded tissue using caged haptens  
 (51) Int. Cl.  
**G01N 33/58** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
 (43) 13.04.2023  
 (62) 2021218128  
 (72) BELOSLUDTSEV, Yuri; DEGEER, Traci D.; FRENCH, Wendy J.; HAO, Junshan; KELLY, Brian Daniel; MURILLO, Adrian; POLASKE, Nathan Walter  
 (74) Spruson & Ferguson

(71) ViaCyte, Inc.  
 (11) AU-A-2023201602  
 (21) 2023201602 (22) 15.03.2023  
 (54) IN VITRO DIFFERENTIATION OF PLURIPOTENT STEM CELLS TO PANCREATIC ENDODERM CELLS (PEC) AND ENDOCRINE CELLS  
 (51) Int. Cl.  
**C12N 5/0735** ( 2010.01 )  
 (43) 13.04.2023  
 (62) 2021266324  
 (72) D'Amour, Kevin; Agulnick, Alan  
 (74) RnB IP Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Vinventions USA, LLC  
 (11) AU-A-2023201621  
 (21) 2023201621 (22) 15.03.2023  
 (54) Decorative closure for a container  
 (51) Int. Cl.

**B65D 39/00** ( 2006.01 )  
**B65D 51/24** ( 2006.01 )

(43) 13.04.2023  
 (62) 2019329382  
 (72) MILLER, Darrell James; AAGAARD, Olav Marcus; DUONG, Christine Phi Phuong  
 (74) FB Rice Pty Ltd

(71) Visa International Service Association  
 (11) AU-A-2023201327  
 (21) 2023201327 (22) 03.03.2023  
 (54) TECHNIQUES FOR SECURE CHANNEL COMMUNICATIONS

(51) Int. Cl.  
**H04L 9/00** ( 2022.01 )

(43) 13.04.2023  
 (62) 2019234482  
 (72) Chen, Yuexi; Kekicheff, Marc; Martin, Philippe  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) W.L. Gore & Associates, Inc.  
 (11) AU-A-2023201443  
 (21) 2023201443 (22) 08.03.2023  
 (54) Prosthetic valve with improved washout  
 (51) Int. Cl.

**A61F 2/24** ( 2006.01 )

(43) 13.04.2023  
 (62) 2021201696  
 (72) COLAVITO, Kyle W.; DIENNO, Dustin V.; HAGAMAN, Logan R.; HARTMAN, Cody L.; SASTRY, Sudeep  
 (74) Griffith Hack

(71) W. L. Gore & Associates, Inc.  
 (11) AU-A-2023201609  
 (21) 2023201609 (22) 15.03.2023  
 (54) Medical delivery devices with inhibited oxygen permeation  
 (51) Int. Cl.

**A61M 5/315** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )

(43) 13.04.2023  
 (62) 2018421330  
 (72) CULLY, Edward H.; GUNZEL, Edward C.; SCOTTI, Christine M.  
 (74) Griffith Hack

(71) Wallis, R.  
 (11) AU-A-2023201447  
 (21) 2023201447 (22) 08.03.2023  
 (54) Portable standpipe  
 (51) Int. Cl.

**B67D 7/02** ( 2010.01 )  
**E03B 9/04** ( 2006.01 )  
**F16L 3/01** ( 2006.01 )  
**F16L 23/02** ( 2006.01 )  
**F16L 27/00** ( 2006.01 )  
**F16L 47/14** ( 2006.01 )

**F16L 47/18** ( 2006.01 )

(43) 13.04.2023  
 (62) 2021338581  
 (72) WALLIS, Ryan  
 (74) Armour IP

(71) Wave Life Sciences Ltd.  
 (11) AU-A-2023201700  
 (21) 2023201700 (22) 20.03.2023  
 (54) Asymmetric auxiliary group  
 (51) Int. Cl.

**C07D 207/08** ( 2006.01 )  
**C07B 53/00** ( 2006.01 )  
**C07F 7/10** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C07H 23/00** ( 2006.01 )

(43) 13.04.2023  
 (62) 2020213420  
 (72) SHIMIZU, Mamoru; WADA, Takeshi  
 (74) Griffith Hack

(71) WHITE, J.  
 (11) AU-A-2022235613  
 (21) 2022235613 (22) 23.09.2022  
 (54) LEVEL THRESHOLD/PERIMETER CHANNEL DRAINAGE SYSTEM  
 (51) Int. Cl.

**E03F 5/04** ( 2006.01 )  
**E03F 5/06** ( 2006.01 )

(31) 780629 (32) 24.09.21 (33) NZ  
 (43) 13.04.2023  
 (72) WHITE, John  
 (74) HENRY HUGHES IP LTD

(71) Winstar Development Group; The Bizser Co., Ltd.; Miyazato, Y.  
 (11) AU-A-2023201456  
 (21) 2023201456 (22) 08.03.2023  
 (54) Steam generation apparatus  
 (51) Int. Cl.

**F22B 1/28** ( 2006.01 )  
**C02F 1/04** ( 2023.01 )  
**C02F 1/12** ( 2023.01 )  
**F22B 27/16** ( 2006.01 )

(43) 13.04.2023  
 (62) 2019469120  
 (72) MIYAZATO, Yoshiaki; PARK, Dae Ki; KIM, Young Kwon  
 (74) Spruson & Ferguson

(71) Xing Power Inc.  
 (11) AU-A-2022241474  
 (21) 2022241474 (22) 27.09.2022  
 (54) BATTERY MODULE AND BATTERY SYSTEM  
 (51) Int. Cl.

**H01M 10/6568** ( 2014.01 )  
**H01M 10/613** ( 2014.01 )  
**H01M 50/258** ( 2021.01 )  
**H01M 50/262** ( 2021.01 )

(31) 63/250,846 (32) 30.09.21 (33) US  
 17/939,487 07.09.22 US  
 (43) 13.04.2023  
 (72) HUANG, YU-CHIEH; TU, KAI-HSIANG; LEE, HUNG-CHI; HUANG, DE-SHIUAN; SU, KENG-TA  
 (74) HENRY HUGHES IP LTD

(71) Ynsect  
 (11) AU-A-2023201702  
 (21) 2023201702 (22) 20.03.2023  
 (54) Method for treating insects, in which the cuticles are separated from the soft part of the insects, and the soft part is then separated into three fractions  
 (51) Int. Cl.

**A23K 10/20** ( 2016.01 )  
**A23K 40/10** ( 2016.01 )

(43) 13.04.2023  
 (62) 2017387972  
 (72) Laurent, Sophie; Sarton Du Jonchay, Thibault; Levon, Jean-Gabriel; Socolsky, Cecilia; Sanchez, Lorena; Berezina, Nathalie; Armenjon, Benjamin; Hubert, Antoine  
 (74) Griffith Hack

(71) Zhejiang CFMOTO Power Co., Ltd.  
 (11) AU-A-2021449518  
 (21) 2021449518 (22) 29.09.2021  
 (54) Off-road vehicle  
 (51) Int. Cl.

**B60G 11/00** ( 2006.01 )

(43) 13.04.2023  
 (72) HE, An; RAO, Lihua; WANG, Jianyong; HU, Xiyang  
 (74) Madderns Pty Ltd

(71) Zhejiang Sunmixer Sanitary Ware Co., Ltd.  
 (11) AU-A-2022200374  
 (21) 2022200374 (22) 20.01.2022  
 (54) FLOW DIVISION WATER OUTLET DEVICE  
 (51) Int. Cl.

**F16K 25/02** ( 2006.01 )  
**B08B 3/02** ( 2006.01 )  
**B67D 3/00** ( 2006.01 )  
**E03C 1/02** ( 2006.01 )  
**F16K 11/00** ( 2006.01 )

(31) 202122328263.3 (32) 25.09.21 (33) CN  
 (43) 13.04.2023  
 (72) Yan, LingGuang  
 (74) Madderns Pty Ltd

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<b>2021430505</b>	Guangzhou Institute of Geochemistry, Chinese Academy of Sciences	<b>2023201136</b>	Gen-Probe Incorporated
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2023201598	Micro Motion, Inc.		
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<b>C07C 215 /-</b> 2023201688 2023201701	<b>C07K 1 /-</b> 2022240133 2023201585 2023201588 2023201590	<b>C12N 1 /-</b> 2021430505	<b>E04B 5 /-</b> 2023201628	<b>F16L 37 /-</b> 2023201575	<b>G01N 21 /-</b> 2023201607
<b>C07C 255 /-</b> 2023201669	<b>C07K 14 /-</b> 2023200175 2023201237 2023201482 2023201531 2023201601	<b>C12N 15 /-</b> 2023200132 2023200175 2023201162 2023201237 2023201431 2023201482 2023201531 2023201630 2023201675	<b>E04H 4 /-</b> 2022241481	<b>F16L 47 /-</b> 2023201447	<b>G01N 23 /-</b> 2023201587
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<b>C07D 471 /-</b> 2023201522 2023201669 2023201703	<b>C11D 3 /-</b> 2023201667	<b>E03B 11 /-</b> 2022201790	<b>F04D 31 /-</b> 2023201683	<b>G01H 9 /-</b> 2022204328 2022204448	<b>G01V 3 /-</b> 2022202857 2022241469
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. (\*) Title not in Roman characters

. (\*\*) Title not given

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

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**(71)** Vision Composite Products, LLC

**(11)** AU-A-2023100027

**(21)** 2023100027      **(22)** 15.03.2023

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**(51)** Int. Cl.

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**B60B 5/02** ( 2006.01 )

**B60B 25/12** ( 2006.01 )

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**(45)** 13.04.2023

**(62)** 2022100029

**(72)** Dudley, Alan; Mathew, John P.; Hall,  
Nick

**(74)** PHILLIPS ORMONDE FITZPATRICK

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

<p>(71) ABB Schweiz AG; Hitachi Energy Switzerland AG (11) AU-A-2021374819 (21) 2021374819 (22) 05.11.2021 (54) Method and system for monitoring and/or operating a power system asset (51) Int. Cl. <i>G06Q 40/04</i> (2012.01) (87) WO2022/096616 (31) 20206280.8 (32) 06.11.20 (33) EP (43) 12.05.2022 (72) PJETRI, Erald; OTTEWILL, James; FIRLA, Marcin (74) FB Rice Pty Ltd</p> <hr/> <p>(71) Aclaris Therapeutics, Inc. (11) AU-A-2021350089 (21) 2021350089 (22) 24.09.2021 (54) Crystalline polymorph form a of a jak inhibitor and methods for its preparation (51) Int. Cl. <i>A61K 31/437</i> (2006.01) <i>A61K 31/4545</i> (2006.01) <i>C07D 471/02</i> (2006.01) <i>C07D 471/04</i> (2006.01) (87) WO2022/067106 (31) 63/083,663 (32) 25.09.20 (33) US (43) 31.03.2022 (72) DECRESCENZO, Gary; SPRINGER, John; LAWSON, Jon P. (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p> <hr/> <p>(71) Aclarity, LLC (11) AU-A-2021338698 (21) 2021338698 (22) 09.09.2021 (54) Flow-through electrochemical reactor (51) Int. Cl. <i>C02F 1/467</i> (2006.01) <i>C25B 11/03</i> (2021.01) <i>C25B 11/031</i> (2021.01) <i>C25B 11/091</i> (2021.01) <i>C02F 1/461</i> (2006.01) <i>C02F 101/12</i> (2006.01) <i>C02F 101/16</i> (2006.01) <i>C02F 101/20</i> (2006.01) <i>C02F 101/36</i> (2006.01) (87) WO2022/056121 (31) 63/076,240 (32) 09.09.20 (33) US (43) 17.03.2022 (72) SCHNEIDER, Orren David; MULLEN, Julie Bliss; MULLY, Barrett (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) Acrow Formwork &amp; Scaffolding Pty Ltd (11) AU-A-2021386882 (21) 2021386882 (22) 30.11.2021 (54) Prop system (51) Int. Cl.</p>	<p><i>E04G 25/02</i> (2006.01) <i>E02D 17/08</i> (2006.01) <i>E04C 3/04</i> (2006.01) <i>E04G 17/14</i> (2006.01) <i>E04G 21/26</i> (2006.01) <i>E21D 15/502</i> (2006.01) (87) WO2022/109683 (31) 2020904437 (32) 30.11.20 (33) AU (43) 02.06.2022 (72) CAPORELLA, Matthew (74) Griffith Hack</p> <hr/> <p>(71) Agilent Technologies, Inc. (11) AU-A-2021324653 (21) 2021324653 (22) 09.08.2021 (54) Pressure-based liquid level detection (51) Int. Cl. <i>G01F 23/16</i> (2006.01) <i>G01L 7/18</i> (2006.01) <i>G01N 1/10</i> (2006.01) (87) WO2022/035768 (31) 63/063,742 (32) 10.08.20 (33) US (43) 17.02.2022 (72) SHELDON, Brian; JOHANNSEN, Michal; WU, Andy (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) Akyrian Systems LLC (11) AU-A-2021397718 (21) 2021397718 (22) 07.12.2021 (54) Improved clinician-centered clinical trial verification system and method (51) Int. Cl. <i>G16H 10/20</i> (2018.01) <i>G06F 40/10</i> (2020.01) <i>G06Q 10/10</i> (2012.01) <i>G16H 10/60</i> (2018.01) <i>G16H 15/00</i> (2018.01) <i>G16H 50/70</i> (2018.01) (87) WO2022/125480 (31) 63/122,677 (32) 08.12.20 (33) US PCT/ 24.05.21 US US2021/033900 (43) 16.06.2022 (72) IKEGUCHI, Edward; JACKSON, Peter T. (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) ALIBABY B.V. (11) AU-A-2021338529 (21) 2021338529 (22) 02.09.2021 (54) Wearable child carrier (51) Int. Cl. <i>A47D 13/02</i> (2006.01) (87) WO2022/049198 (31) 2026402 (32) 03.09.20 (33) NL 2028680 09.07.21 NL (43) 10.03.2022 (72) NOUALI, Sali; VAN CLEEF, Stefan; WILLEMSSEN, Heleen; WISSE,</p>	<p>Boudewijn Martin; HÖLSCHER, Michael Martinus (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) Amgen Inc. (11) AU-A-2021340708 (21) 2021340708 (22) 10.09.2021 (54) Materials and methods to reduce protein aggregation (51) Int. Cl. <i>A61K 39/395</i> (2006.01) <i>A61P 35/00</i> (2006.01) <i>A61P 35/04</i> (2006.01) <i>C07K 16/28</i> (2006.01) <i>A61K 39/00</i> (2006.01) <i>A61M 39/00</i> (2006.01) (87) WO2022/056267 (31) 63/077,088 (32) 11.09.20 (33) US (43) 17.03.2022 (72) MCAULEY, Arnold J.; SCHNEIDER, Michael (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Amgen Inc. (11) AU-A-2021376245 (21) 2021376245 (22) 01.11.2021 (54) Drug delivery device assembly and accessory for drug delivery device (51) Int. Cl. <i>A61M 5/20</i> (2006.01) <i>A61M 5/32</i> (2006.01) <i>A61M 5/42</i> (2006.01) (87) WO2022/098590 (31) 63/109,618 (32) 04.11.20 (33) US 63/217,679 01.07.21 US (43) 12.05.2022 (72) PEDERSEN, Jakob Halkjaer; DUDMAN, Joshua J.; FRIIS, Kasper; DAN, Chiusun; BECH, Carsten; VER-SCHUREN, Adrianus Gerardus; MCCOLLIGAN, Michael John; SAARMAN, Filip (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Antengene Discovery Limited (11) AU-A-2021321905 (21) 2021321905 (22) 06.08.2021 (54) ATR inhibitors and uses thereof (51) Int. Cl. <i>C07D 487/04</i> (2006.01) <i>A61K 31/5377</i> (2006.01) <i>A61P 35/00</i> (2006.01) (87) WO2022/028598 (31) PCT/ CN2020/107884 (32) 07.08.20 (33) CN PCT/ 19.08.20 CN CN2020/110005 PCT/ 02.04.21 CN CN2021/085190 PCT/ 12.07.21 CN CN2021/105708</p>
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 (72) SHAN, Bo; HOU, Bing; YUWEN, Hui; CHEN, Peng; SHI, Zhongyang; GU, Zhengsong; CHEN, Ping; CAI, Zhenwei; MEI, Jay  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Arcadia Biosciences, Inc.  
 (11) AU-A-2021336542  
 (21) 2021336542 (22) 07.09.2021  
 (54) Methods of increasing fiber in a wheat grain  
 (51) Int. Cl.  
**C12N 15/82** ( 2006.01 )  
 (87) WO2022/051702  
 (31) 63/075,278 (32) 07.09.20 (33) US  
 (43) 10.03.2022  
 (72) VAN BOXTEL, Jos; MOEHS, Charles Paul; AUSTILL, William J.; LOEFFLER, Dayna; MULLENBERG, Jessica  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Arch Day Design LLC  
 (11) AU-A-2021346523  
 (21) 2021346523 (22) 10.09.2021  
 (54) Suture passing device  
 (51) Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61B 17/06** ( 2006.01 )  
 (87) WO2022/066449  
 (31) 63/198,085 (32) 28.09.20 (33) US  
 (43) 31.03.2022  
 (72) PISARNWONGS, Roger; WEISEL, Thomas  
 (74) Patentec Patent Attorneys

(71) Arcturus Therapeutics, Inc.  
 (11) AU-A-2021340876  
 (21) 2021340876 (22) 13.09.2021  
 (54) Lipid nanoparticles encapsulation of large RNA  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**B82Y 5/00** ( 2011.01 )  
**C12N 15/11** ( 2006.01 )  
 (87) WO2022/056413  
 (31) 63/077,648 (32) 13.09.20 (33) US  
 (43) 17.03.2022  
 (72) BAO, Yanjie; CLEMENTE, Brenda; KARMALI, Priya Prakash  
 (74) Spruson & Ferguson

(71) ARRIS Enterprises LLC  
 (11) AU-A-2021326400  
 (21) 2021326400 (22) 01.07.2021  
 (54) Modem reset package with self-healing  
 (51) Int. Cl.  
**H04L 12/28** ( 2006.01 )  
 (87) WO2022/035521  
 (31) 63/065,224 (32) 13.08.20 (33) US  
 (43) 17.02.2022  
 (72) GANGWAR, Harshita; SHANK-ARACHARI, Harish  
 (74) Davies Collison Cave Pty Ltd

(71) ARRIS ENTERPRISES LLC  
 (11) AU-A-2020464608  
 (21) 2020464608 (22) 24.08.2020  
 (54) System and method for providing health alerts in response to video content  
 (51) Int. Cl.  
**G06Q 30/02** ( 2012.01 )  
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 (43) 03.03.2022  
 (72) ZHOU, Jianguo; HU, Fenggen; ZHANG, Yuyang  
 (74) Davies Collison Cave Pty Ltd

(71) Arrowhead Pharmaceuticals, Inc.  
 (11) AU-A-2021342155  
 (21) 2021342155 (22) 10.09.2021  
 (54) RNAi agents for inhibiting expression of DUX4, compositions thereof, and methods of use  
 (51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/7088** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
 (87) WO2022/056266  
 (31) 63/077,272 (32) 11.09.20 (33) US  
 63/214,742 24.06.21 US  
 (43) 17.03.2022  
 (72) DING, Zhi-Ming; VAN DYKE, Jonathan; LI, Xiaokai; NICHOLAS, Anthony; SCHIENEBECK, Casi M.; PEI, Tao; XU, Zhao; AL, Teng; PHAN, Susan; RAMOS-HUNTER, Susan  
 (74) Davies Collison Cave Pty Ltd

(71) Arrowhead Pharmaceuticals, Inc.  
 (11) AU-A-2021342158  
 (21) 2021342158 (22) 10.09.2021  
 (54) Lipid conjugates for the delivery of therapeutic agents  
 (51) Int. Cl.  
**A61K 47/54** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
 (87) WO2022/056273  
 (31) 63/214,745 (32) 24.06.21 (33) US  
 63/230,257 06.08.21 US  
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 (43) 17.03.2022  
 (72) LI, Xiaokai; PEI, Tao; AI, Teng; PHAN, Susan; RAMOS-HUNTER, Susan  
 (74) Davies Collison Cave Pty Ltd

(71) Arvinas Operations, Inc.  
 (11) AU-A-2021342287  
 (21) 2021342287 (22) 13.09.2021  
 (54) Crystalline forms of a compound for the targeted degradation of estrogen receptor  
 (51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2022/056368  
 (31) 63/078,225 (32) 14.09.20 (33) US  
 (43) 17.03.2022  
 (72) BOULTON, Katharine Victoria; CHEN, Chungpin Herman; HASKELL III, Royal J.; REECE, Hayley  
 (74) Spruson & Ferguson

(71) Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.  
 (11) AU-A-2021337097  
 (21) 2021337097 (22) 23.08.2021  
 (54) Carbonated alcohol beverage having citrus flavor, and method for producing same  
 (51) Int. Cl.  
**C12G 3/06** ( 2006.01 )  
 (87) WO2022/050097  
 (31) 2020-146899 (32) 01.09.20 (33) JP  
 (43) 10.03.2022  
 (72) MORI, Gyohei; ENDO, Minoru  
 (74) FPA Patent Attorneys Pty Ltd

(71) ASSA ABLOY Sicherheitstechnik GmbH  
 (11) AU-A-2021328231  
 (21) 2021328231 (22) 19.08.2021  
 (54) Key having a key head, a key shaft and a generator  
 (51) Int. Cl.  
**E05B 19/00** ( 2006.01 )  
**E05B 35/00** ( 2006.01 )  
 (87) WO2022/038236  
 (31) 10 2020 121 876.1 (32) 20.08.20 (33) DE  
 10 2021 114 239.3 01.06.21 DE  
 (43) 24.02.2022  
 (72) DAUBITZ, Matthias; WAHL, Markus; FISCHER, Ulrich; FRITZ, Michael; MI-HAILOVIC, Philip  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ASSA ABLOY Sicherheitstechnik GmbH  
 (11) AU-A-2021328688  
 (21) 2021328688 (22) 19.08.2021  
 (54) Key having a generator in the bow and a slide for driving the generator  
 (51) Int. Cl.  
**E05B 19/00** ( 2006.01 )  
**E05B 35/00** ( 2006.01 )  
 (87) WO2022/038239  
 (31) 10 2020 121 876.1 (32) 20.08.20 (33) DE  
 10 2021 114 240.7 01.06.21 DE  
 (43) 24.02.2022  
 (72) DAUBITZ, Matthias; WAHL, Markus; FISCHER, Ulrich; FRITZ, Michael  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Assistance Publique - Hopitaux de Paris; Centre national de la recherche scientifique  
 (11) AU-A-2021342331  
 (21) 2021342331 (22) 10.09.2021  
 (54) Mepyramine for use in the topical treatment of neuropathic pain  
 (51) Int. Cl.  
**A61K 31/44** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
 (87) WO2022/053598  
 (31) 20306009.0 (32) 11.09.20 (33) EP  
 (43) 17.03.2022  
 (72) GRECO, Céline; DELMAS, Patrick  
 (74) Madderns Pty Ltd

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- (71) Astellas Pharma, Inc.  
 (11) AU-A-2021328717  
 (21) 2021328717 (22) 18.08.2021  
 (54) Human non-naturally occurring modified Fc region of IgG specifically binding to non-naturally occurring modified Fc receptor  
 (51) Int. Cl.  
*C07K 14/725* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C07K 14/735* ( 2006.01 )  
*C07K 16/00* ( 2006.01 )  
 (87) WO2022/038411  
 (31) 63/067,629 (32) 19.08.20 (33) US  
 (43) 24.02.2022  
 (72) MORIYA, Ryuichi; SHIRAI, Hiroki; SOGA, Shinji; SHIMADA, Naoko; RUSSELL, David William  
 (74) Davies Collison Cave Pty Ltd
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- (71) Aurigene Oncology Limited  
 (11) AU-A-2021341879  
 (21) 2021341879 (22) 09.09.2021  
 (54) Heterocyclic compounds as CBP/EP300 bromodomain inhibitors  
 (51) Int. Cl.  
*A61K 31/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/22* ( 2006.01 )  
 (87) WO2022/053967  
 (31) 202041038913 (32) 09.09.20 (33) IN  
 (43) 17.03.2022  
 (72) ABBINENI, Chandrasekhar; SAMA-JDAR, Susanta; S. SENAIAR, Ramesh; AGGUNDA RENUKAPPA, Girish; MUKHERJEE, Subhendu; TATYASA-HEB GORE, Suraj; WOHLFAHRT, Gerd; MYLLYMAKI, Mikko  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) AVALANCHE ENERGY DESIGNS, INC.  
 (11) AU-A-2021336896  
 (21) 2021336896 (22) 02.09.2021  
 (54) Orbital confinement fusion device  
 (51) Int. Cl.  
*G21B 1/05* ( 2006.01 )  
*H05H 1/02* ( 2006.01 )  
*H05H 1/03* ( 2006.01 )  
 (87) WO2022/051514  
 (31) 63/073,812 (32) 02.09.20 (33) US  
 (43) 10.03.2022  
 (72) LANGTRY, Robin; RIORDAN, Brian  
 (74) Madderns Pty Ltd
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- (71) Baker Hughes Oilfield Operations LLC  
 (11) AU-A-2021338917  
 (21) 2021338917 (22) 03.09.2021  
 (54) Hybrid cable crimp  
 (51) Int. Cl.  
*E21B 17/02* ( 2006.01 )  
 (87) WO2022/056520  
 (31) 17/017,340 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
 (72) FRANCO, Juan  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Baker Hughes Oilfield Operations LLC  
 (11) AU-A-2021340967  
 (21) 2021340967 (22) 02.09.2021  
 (54) Wiper plug system with anti-rotation feature  
 (51) Int. Cl.  
*E21B 34/14* ( 2006.01 )  
*E21B 23/04* ( 2006.01 )  
*E21B 43/26* ( 2006.01 )  
 (87) WO2022/056518  
 (31) 17/014,077 (32) 08.09.20 (33) US  
 (43) 17.03.2022  
 (72) BILEN, Juan Miguel; JIRAL, Dennis; SCHULTZ, Alexander  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) BASF SE  
 (11) AU-A-2021324060  
 (21) 2021324060 (22) 10.08.2021  
 (54) Method for flotation of a silicate-containing iron ore  
 (51) Int. Cl.  
*B03D 1/01* ( 2006.01 )  
 (87) WO2022/034047  
 (31) 20190413.3 (32) 11.08.20 (33) EP  
 (43) 17.02.2022  
 (72) MICHAILOVSKI, Alexej; BUDEMBERG, Gabriela; SOBOTKA, Bettina; KIERAT, Radoslaw  
 (74) Davies Collison Cave Pty Ltd
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- (71) Bayer Aktiengesellschaft  
 (11) AU-A-2021343834  
 (21) 2021343834 (22) 13.09.2021  
 (54) Novel anti-A2AP antibodies and uses thereof  
 (51) Int. Cl.  
*C07K 16/38* ( 2006.01 )  
*A61P 7/02* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
*G01N 33/86* ( 2006.01 )  
 (87) WO2022/058261  
 (31) 20196259.4 (32) 15.09.20 (33) EP  
 (43) 24.03.2022  
 (72) HEITMEIER, Stefan; GLUNZ, Julia; FISCHER, Melanie; SCHULENBURG, Cindy; JÖRISSEN, Hannah; THIEL, Christoph; WILMEN, Andreas; WEBER, Ernst  
 (74) Davies Collison Cave Pty Ltd
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- (71) BBG, S.A.  
 (11) AU-A-2021344729  
 (21) 2021344729 (22) 15.07.2021  
 (54) Improved frame system for doors or fixed windows and modular composite bays  
 (51) Int. Cl.  
*E06B 3/56* ( 2006.01 )  
*E06B 3/263* ( 2006.01 )  
 (87) WO2022/058804  
 (31) 116745 (32) 18.09.20 (33) PT  
 (43) 24.03.2022  
 (72) BRÁS, Bruno  
 (74) AJ PARK
- 
- (71) Becton, Dickinson and Company  
 (11) AU-A-2021324888  
 (21) 2021324888 (22) 13.08.2021  
 (54) Blood collection device and related systems and methods  
 (51) Int. Cl.  
*A61B 5/15* ( 2006.01 )  
*A61B 5/154* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
 (87) WO2022/036173  
 (31) 63/065,785 (32) 14.08.20 (33) US  
 (43) 17.02.2022  
 (72) MA, Yiping; BURKHOLZ, Jonathan Karl  
 (74) FB Rice Pty Ltd
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- (71) Becton, Dickinson and Company  
 (11) AU-A-2021327934  
 (21) 2021327934 (22) 05.05.2021  
 (54) Blood collection set and related systems and methods  
 (51) Int. Cl.  
*A61B 5/15* ( 2006.01 )  
*A61B 5/154* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
 (87) WO2022/039801  
 (31) 202010847358.3 (32) 21.08.20 (33) CN  
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 (43) 24.02.2022  
 (72) HU, Olivia; LIU, Simon; YAN, Bo  
 (74) FB Rice Pty Ltd
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- (71) Beijing Tianma Intelligent Control Technology Co., Ltd.; CCTEG Beijing Tianma Intelligent Control Technology Co., Ltd.  
 (11) AU-A-2021350657  
 (21) 2021350657 (22) 28.06.2021  
 (54) Positioning method and system for fully mechanized mining face  
 (51) Int. Cl.  
*G01B 11/00* ( 2006.01 )  
*G01C 21/16* ( 2006.01 )  
 (87) WO2022/062521  
 (31) 202011042486.7 (32) 28.09.20 (33) CN  
 (43) 31.03.2022  
 (72) RONG, Yao; CAO, Qiong; LI, Sen; NAN, Bingfei; WANG, Feng; REN, Wei; LI, Zaifeng  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) BENESOL, INC.; LAUDER, G.  
 (11) AU-A-2021329913  
 (21) 2021329913 (22) 18.08.2021  
 (54) HOME PHOTOTHERAPY DEVICES AND ASSOCIATED SYSTEMS AND METHODS  
 (51) Int. Cl.  
*A61N 5/06* ( 2006.01 )  
 (87) WO2022/040362  
 (31) 63/066,949 (32) 18.08.20 (33) US  
 (43) 24.02.2022  
 (72) LAUDER, Gary; WISE, Robert; WU, James; COLBY, Tyson; SPAHNIE, Brian M.  
 (74) FB Rice Pty Ltd

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- (71) Betta Pharmaceuticals Co., Ltd.  
 (11) AU-A-2021341258  
 (21) 2021341258 (22) 06.09.2021  
 (54) CD73 inhibitor and application thereof in medicine  
 (51) Int. Cl.  
 C07D 403/04 ( 2006.01 )  
 A61K 31/513 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 (87) WO2022/052886  
 (31) 202010934821.8 (32) 08.09.20 (33) CN  
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 (43) 17.03.2022  
 (72) WU, Hao; YANG, Xiaofeng; LIU, Qisheng; HAN, Han; LI, Jinhua; LI, Yang; JIANG, Feng; KUANG, Cuiwen; XIA, Hongfeng; ZHANG, Hongbo; LAN, Hong; WANG, Jiabing; DING, Lieming  
 (74) Davies Collison Cave Pty Ltd
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- (71) Binding Solutions Ltd  
 (11) AU-A-2021344896  
 (21) 2021344896 (22) 20.09.2021  
 (54) Briquette  
 (51) Int. Cl.  
 C10L 5/10 ( 2006.01 )  
 (87) WO2022/058747  
 (31) 2014846.6 (32) 21.09.20 (33) GB  
 (43) 24.03.2022  
 (72) JOYCE, Richard  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) BioNTech US Inc.  
 (11) AU-A-2021325081  
 (21) 2021325081 (22) 12.08.2021  
 (54) T cell manufacturing compositions and methods  
 (51) Int. Cl.  
 A61K 35/17 ( 2015.01 )  
 A01N 1/02 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 C07K 16/28 ( 2006.01 )  
 C12N 5/0783 ( 2010.01 )  
 C12N 5/0784 ( 2010.01 )  
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 (31) 63/065,327 (32) 13.08.20 (33) US  
 (43) 17.02.2022  
 (72) JUNEJA, Vikram; DIETZE, Jared; CONN, Brandon; CHOI, Jaewon  
 (74) Spruson & Ferguson
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- (71) Bio-Rad Europe GmbH; Bio-Rad Laboratories, Inc.  
 (11) AU-A-2021362691  
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 (54) System and method for target detection with applications in characterizing food quality and improving food safety  
 (51) Int. Cl.  
 C12M 1/34 ( 2006.01 )  
 B01L 3/00 ( 2006.01 )  
 C12M 1/18 ( 2006.01 )  
 C12M 3/00 ( 2006.01 )  
 G01N 33/48 ( 2006.01 )  
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 (21) 2021325024 (22) 10.08.2021  
 (54) Proteasome enhancers and uses thereof  
 (51) Int. Cl.  
 A61K 31/445 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 C07D 471/10 ( 2006.01 )  
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 (43) 17.02.2022  
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- (71) Bolt Biotherapeutics, Inc.  
 (11) AU-A-2021326516  
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 (54) Pyrazoloazepine immunoconjugates, and uses thereof  
 (51) Int. Cl.  
 A61K 47/68 ( 2017.01 )  
 A61P 35/00 ( 2006.01 )  
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 (72) KUDIRKA, Romas; SAFINA, Brian  
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- (71) Boston Scientific Neuromodulation Corporation  
 (11) AU-A-2021373578  
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 (54) Methods and systems for managing access to implantable medical devices  
 (51) Int. Cl.  
 A61N 1/372 ( 2006.01 )  
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 (31) 63/109,749 (32) 04.11.20 (33) US  
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 (21) 2021342292 (22) 13.09.2021  
 (54) Stents and methods for use and manufacture of stents with improved retention members  
 (51) Int. Cl.  
 A61F 2/90 ( 2013.01 )  
 A61B 17/11 ( 2006.01 )  
 A61F 2/04 ( 2013.01 )  
 (87) WO2022/056381  
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 (72) FOLAN, Martyn G.  
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- (71) Boston Scientific Scimed, Inc.  
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 (54) Universal fluid container enclosure systems  
 (51) Int. Cl.  
 A61B 1/00 ( 2006.01 )  
 A61B 1/015 ( 2006.01 )  
 (87) WO2022/066641  
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 (54) Reuse prevention for single-use valves for medical devices  
 (51) Int. Cl.  
 A61B 1/00 ( 2006.01 )  
 A61B 1/015 ( 2006.01 )  
 A61B 90/70 ( 2016.01 )  
 A61M 39/22 ( 2006.01 )  
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 (21) 2021344442 (22) 25.08.2021  
 (54) An underground truck  
 (51) Int. Cl.  
 B60K 6/00 ( 2007.10 )  
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 (72) MCFARLANE, Scott  
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 (51) Int. Cl.  
 A47J 37/07 ( 2006.01 )  
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 (21) 2021325905 (22) 11.08.2021  
 (54) Replication stress pathway agent compositions and methods for treating cancer  
 (51) Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
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 (31) 63/064,555 (32) 12.08.20 (33) US  
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 (74) FB Rice Pty Ltd
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- (71) Bourgault Industries Ltd.  
 (11) AU-A-2021326008  
 (21) 2021326008 (22) 04.03.2021  
 (54) Apparatus for adjusting seed and fertilizer depths  
 (51) Int. Cl.  
**A01C 5/06** ( 2006.01 )  
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 (72) CRESSWELL, Mark; LUNG, Devin  
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 (11) AU-A-2021373162  
 (21) 2021373162 (22) 03.11.2021  
 (54) Pyrazolopyridazinone compound, and pharmaceutical composition and use thereof  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (21) 2021331345 (22) 27.08.2021  
 (54) Predictive control of yankee dryer chemistry and creped product quality  
 (51) Int. Cl.  
**D21F 5/18** ( 2006.01 )  
**D21H 19/74** ( 2006.01 )  
**D21H 27/00** ( 2006.01 )  
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 (31) 63/071,189 (32) 27.08.20 (33) US  
 (43) 03.03.2022  
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 (74) Griffith Hack
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 (11) AU-A-2021336023  
 (21) 2021336023 (22) 20.08.2021  
 (54) Stretching-shaft screening device for separating insects, in particular insect larvae, or worms and residual material, and the use of such a stretching-shaft screening device  
 (51) Int. Cl.  
**B07B 1/48** ( 2006.01 )  
**B07B 4/02** ( 2006.01 )  
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 (31) 20194176.2 (32) 02.09.20 (33) EP  
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 (72) GELDER, Vincent de; BAUMANN, Andreas  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) C4 Therapeutics, Inc.  
 (11) AU-A-2021322285  
 (21) 2021322285 (22) 06.08.2021  
 (54) Advantageous therapies for disorders mediated by Ikaros or Aiolos  
 (51) Int. Cl.  
**A61K 31/403** ( 2006.01 )  
**C07D 209/92** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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 (31) 63/063,011 (32) 07.08.20 (33) US  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2021339851 (22) 14.09.2021  
 (54) Method of treating amyloidosis  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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 (54) Methods and devices for integrated tandem solar module fabrication  
 (51) Int. Cl.  
**H01L 31/04** ( 2014.01 )  
**B23K 26/36** ( 2014.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Caira Surgical  
 (11) AU-A-2021341540  
 (21) 2021341540 (22) 11.03.2021  
 (54) System and method for medical object tracking  
 (51) Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )  
 (87) WO2022/055550  
 (31) 17/017,015 (32) 10.09.20 (33) US  
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 (72) MEFTAH, Morteza  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Cardio Diagnostics, Inc.  
 (11) AU-A-2021337736  
 (21) 2021337736 (22) 03.09.2021  
 (54) Methods and compositions for predicting and/or monitoring cardiovascular disease and treatments therefor  
 (51) Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
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 (31) 63/074,878 (32) 04.09.20 (33) US  
 (43) 10.03.2022  
 (72) DOGAN, Meeshanthini V.; PHILIBERT, Robert; DUGAN, Timur K.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) CareFusion 303, Inc.  
 (11) AU-A-2021339749  
 (21) 2021339749 (22) 10.09.2021  
 (54) Bulb for use with IV set  
 (51) Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 5/162** ( 2006.01 )  
**A61M 5/165** ( 2006.01 )  
 (87) WO2022/056182  
 (31) 17/018,742 (32) 11.09.20 (33) US  
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 (72) YAMIN, Leyla; CALLAHAN, Ryan; HON, Kelly Kloster  
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 (54) Drip chamber assembly  
 (51) Int. Cl.  
     **A61M 5/14** ( 2006.01 )  
     **A61M 5/165** ( 2006.01 )  
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 (31) 17/018,340 (32) 11.09.20 (33) US  
 (43) 17.03.2022  
 (72) WOODMAN, Huntington; HON, Kelly  
     Kloster; CALLAHAN, Ryan; YAMIN,  
     Leyla  
 (74) FB Rice Pty Ltd

(71) Carpi Tech B.V.  
 (11) AU-A-2021323052  
 (21) 2021323052 (22) 06.08.2021  
 (54) System for the double-sealed connec-  
     tion of waterproofing panels for hydraul-  
     ic works  
 (51) Int. Cl.  
     **E02B 3/16** ( 2006.01 )  
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 (31) 102020000019735 (32) 07.08.20 (33) IT  
 (43) 10.02.2022  
 (72) SCUERO, Alberto Maria  
 (74) Spruson & Ferguson

(71) Cartamundi Turnhout NV  
 (11) AU-A-2021342622  
 (21) 2021342622 (22) 07.09.2021  
 (54) Set of playing cards  
 (51) Int. Cl.  
     **A63F 1/02** ( 2006.01 )  
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 (31) 20197124.9 (32) 21.09.20 (33) EP  
 (43) 24.03.2022  
 (72) VAN GENECHTEN, Erik  
 (74) FPA Patent Attorneys Pty Ltd

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 (11) AU-A-2021343732  
 (21) 2021343732 (22) 07.09.2021  
 (54) Device for production of sets of playing  
     cards  
 (51) Int. Cl.  
     **A63F 1/12** ( 2006.01 )  
     **A63F 1/02** ( 2006.01 )  
 (87) WO2022/058201  
 (31) 20197121.5 (32) 21.09.20 (33) EP  
 (43) 24.03.2022  
 (72) DEHOEWER, Marco  
 (74) FPA Patent Attorneys Pty Ltd

(71) Cartamundi Turnhout NV  
 (11) AU-A-2021369434  
 (21) 2021369434 (22) 27.10.2021  
 (54) A playing card cartridge  
 (51) Int. Cl.  
     **A63F 1/06** ( 2006.01 )  
     **A63F 1/14** ( 2006.01 )  
 (87) WO2022/090285  
 (31) 20204453.3 (32) 28.10.20 (33) EP

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 (72) VAN GENECHTEN, Erik; DEHOEWER,  
     Marco; NIETVELT, Steven Karel Maria  
 (74) FPA Patent Attorneys Pty Ltd

(71) Cephalon LLC  
 (11) AU-A-2021328375  
 (21) 2021328375 (22) 18.08.2021  
 (54) Anti-PAR-2 antibodies and methods of  
     use thereof  
 (51) Int. Cl.  
     **A61P 11/00** ( 2006.01 )  
     **A61K 39/00** ( 2006.01 )  
     **A61P 17/00** ( 2006.01 )  
     **C07K 16/28** ( 2006.01 )  
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 (31) 63/067,259 (32) 18.08.20 (33) US  
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     Adam; COOKSEY, Bridget A.; DOYLE,  
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     Mark Terence; POLLARD, Matthew;  
     POULTON, Lynn; QUIGLEY, Anna  
     Maria Matilda; ROZENFELD, Julia;  
     SZABAT, Marta  
 (74) Davies Collison Cave Pty Ltd

(71) China Mobile Communication Co., Ltd  
     Research Institute; China Mobile Com-  
     munications Group Co., Ltd.  
 (11) AU-A-2021323257  
 (21) 2021323257 (22) 06.08.2021  
 (54) Measurement method, information ac-  
     quisition method, information sending  
     method, terminal, and network-side  
     device  
 (51) Int. Cl.  
     **H04W 24/08** ( 2009.01 )  
 (87) WO2022/028582  
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 (43) 10.02.2022  
 (72) CHEN, Jingjing; ZHANG, Xiaoran  
 (74) Adams Pluck

(71) Chiron AS  
 (11) AU-A-2021346253  
 (21) 2021346253 (22) 06.09.2021  
 (54) Phosphatidylalkanol homologues hav-  
     ing labelled moieties  
 (51) Int. Cl.  
     **C07F 9/09** ( 2006.01 )  
     **C07B 59/00** ( 2006.01 )  
     **C07F 9/10** ( 2006.01 )  
     **G01N 24/08** ( 2006.01 )  
     **G01N 33/68** ( 2006.01 )  
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 (72) LIU, Huiling; GOROVVOY, Alexey; BUT-  
     TON, Jennifer; JOHANSEN, Jon Eigill  
 (74) Griffith Hack

(71) Circular Food Technology APS  
 (11) AU-A-2021342341  
 (21) 2021342341 (22) 10.09.2021  
 (54) Method of preparing a mixture of  
     brewer's spent grain

(51) Int. Cl.  
     **A23L 33/185** ( 2016.01 )  
     **A23J 1/00** ( 2006.01 )  
     **A23J 3/14** ( 2006.01 )  
     **A23K 10/38** ( 2016.01 )  
     **A23L 33/22** ( 2016.01 )  
     **C12F 3/06** ( 2006.01 )  
     **G01F 13/00** ( 2006.01 )  
     **G01F 22/00** ( 2006.01 )  
     **G05D 11/13** ( 2006.01 )  
     **G06N 20/00** ( 2019.01 )  
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 (43) 17.03.2022  
 (72) BEUKEL, Karin; RIEMANN-ANDER-  
     SEN, Aviaja, Bondo; KRØLL, Emil, Buhl  
 (74) FPA Patent Attorneys Pty Ltd

(71) CJ CheilJedang Corporation  
 (11) AU-A-2021351595  
 (21) 2021351595 (22) 29.09.2021  
 (54) Steaming apparatus  
 (51) Int. Cl.  
     **A23L 5/10** ( 2016.01 )  
     **A23L 3/00** ( 2006.01 )  
     **A23P 20/20** ( 2016.01 )  
     **B05B 1/14** ( 2006.01 )  
     **B05B 13/02** ( 2006.01 )  
     **B65G 37/00** ( 2006.01 )  
 (87) WO2022/071750  
 (31) 10-2020-0127549 (32) 29.09.20 (33) KR  
 (43) 07.04.2022  
 (72) LEE, Jong Jun; KIM, Jong Gil  
 (74) FB Rice Pty Ltd

(71) Clarapath, Inc.  
 (11) AU-A-2021339648  
 (21) 2021339648 (22) 08.09.2021  
 (54) Automated tissue section transfer sys-  
     tem with high throughput  
 (51) Int. Cl.  
     **G01N 21/64** ( 2006.01 )  
     **G01N 1/30** ( 2006.01 )  
 (87) WO2022/056001  
 (31) 63/075,441 (32) 08.09.20 (33) US  
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     17/469,351 08.09.21 US  
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     ZHANG, Cong; SHUSKO, Robert;  
     SEWKARRAN, Janak; CANTOR,  
     Charles R.  
 (74) WRAYS PTY LTD

(71) Clarity Pharmaceuticals Ltd  
 (11) AU-A-2021326005  
 (21) 2021326005 (22) 13.08.2021  
 (54) Radiopharmaceuticals, uses thereof,  
     and methods for the production thereof  
 (51) Int. Cl.  
     **A61K 51/08** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **C07K 5/02** ( 2006.01 )  
     **C07K 5/12** ( 2006.01 )  
     **C07K 7/06** ( 2006.01 )  
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 (31) 2020902889 (32) 14.08.20 (33) AU

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 (74) Davies Collison Cave Pty Ltd
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- (71) CNH Industrial America LLC  
 (11) AU-A-2021345031  
 (21) 2021345031 (22) 14.09.2021  
 (54) Feeder conveyor variable tensioner  
 (51) Int. Cl.  
 A01D 61/00 (2006.01)  
 B65G 23/44 (2006.01)
- (87) WO2022/060731  
 (31) 63/079,588 (32) 17.09.20 (33) US  
 (43) 24.03.2022  
 (72) ISAAC, Nathan E.; GAEDY, Steven E.  
 (74) Griffith Hack
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- (71) Commonwealth Scientific and Industrial Research Organisation  
 (11) AU-A-2021339058  
 (21) 2021339058 (22) 08.09.2021  
 (54) Stem rust resistance gene  
 (51) Int. Cl.  
 A01H 1/04 (2006.01)  
 A01H 5/10 (2018.01)  
 A01H 6/46 (2018.01)  
 C07K 14/415 (2006.01)  
 C12N 15/82 (2006.01)  
 C12Q 1/6895 (2018.01)
- (87) WO2022/053866  
 (31) 63/127,220 (32) 18.12.20 (33) US  
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 (43) 17.03.2022  
 (72) DODDS, Peter Norman; HEWITT, Timothy Charles; MAGO, Rohit; UPAD-HYAYA, Narayana Mithur  
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- (71) Compass Pathfinder Limited  
 (11) AU-A-2021363627  
 (21) 2021363627 (22) 21.10.2021  
 (54) Use of benzodiazepines to increase sensitivity to psilocybin following a chronic SSRI regimen  
 (51) Int. Cl.  
 A61K 31/675 (2006.01)  
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 A61P 25/00 (2006.01)  
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 (31) 63/094,624 (32) 21.10.20 (33) US  
 (43) 28.04.2022  
 (72) HICKEY, Molly Tabitha  
 (74) RnB IP Pty Ltd
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- (71) Consiglio Nazionale Delle Ricerche; PLUMESTARS S.R.L.  
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 (21) 2021341780 (22) 09.09.2021  
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 (51) Int. Cl.
- A61K 9/00 (2006.01)  
 A61K 9/16 (2006.01)  
 A61K 38/00 (2006.01)  
 A61K 47/02 (2006.01)  
 A61K 47/26 (2006.01)
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 (54) Refrigeration system with hot gas bypass  
 (51) Int. Cl.  
 F25B 41/24 (2021.01)  
 F25B 1/00 (2006.01)  
 F25B 41/40 (2021.01)
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 (54) Systems and methods for a hybrid power grid  
 (51) Int. Cl.  
 H02J 3/48 (2006.01)
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 (11) AU-A-2021333793  
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 (51) Int. Cl.  
 A61K 39/12 (2006.01)  
 A61P 11/00 (2006.01)  
 A61P 31/12 (2006.01)  
 A61P 31/14 (2006.01)  
 C12N 7/00 (2006.01)
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 (31) 63/070,961 (32) 27.08.20 (33) US  
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- (71) De La Rue International Limited  
 (11) AU-A-2021339051  
 (21) 2021339051 (22) 10.09.2021  
 (54) Security devices and methods of manufacture thereof  
 (51) Int. Cl.  
 B42D 25/324 (2014.01)  
 B41M 3/14 (2006.01)  
 B42D 25/29 (2014.01)  
 B42D 25/351 (2014.01)  
 B42D 25/36 (2014.01)  
 B42D 25/425 (2014.01)  
 B42D 25/46 (2014.01)
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 2014327.7 11.09.20 GB  
 2014328.5 11.09.20 GB  
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 (72) GODFREY, John; LOCKE, Rebecca  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021339052  
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 (54) Security devices and methods of manufacture thereof  
 (51) Int. Cl.  
 B42D 25/324 (2014.01)  
 B41M 3/14 (2006.01)  
 B42D 25/29 (2014.01)  
 B42D 25/351 (2014.01)  
 B42D 25/36 (2014.01)  
 B42D 25/364 (2014.01)  
 B42D 25/369 (2014.01)  
 B42D 25/373 (2014.01)  
 B42D 25/425 (2014.01)  
 B42D 25/46 (2014.01)
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 (31) 2014325.1 (32) 11.09.20 (33) GB  
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 (72) GODFREY, John; LOCKE, Rebecca  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021341643  
 (21) 2021341643 (22) 10.09.2021  
 (54) Security devices and methods of manufacture thereof  
 (51) Int. Cl.  
 B42D 25/324 (2014.01)  
 B41M 3/14 (2006.01)  
 B42D 25/29 (2014.01)  
 B42D 25/351 (2014.01)  
 B42D 25/36 (2014.01)  
 B42D 25/425 (2014.01)  
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2014326.9	11.09.20	GB	(31) 63/085,901 (32) 30.09.20 (33) US	(54) New compounds and their use as therapeutically active substances in the treatment and/or prevention of diseases involving the retinal pigment epithelium	
(43) 17.03.2022			(43) 07.04.2022	(51) Int. Cl.	
(72) GODFREY, John; LOCKE, Rebecca			(72) SYED, Asim Minhaj; HUMPHREY, Timothy Lee; ARMER, Dustin P.; AB-BOTT, Eason Michael	<b>A61P 27/02</b> ( 2006.01 )	
(74) Davies Collison Cave Pty Ltd			(74) Spruson & Ferguson	<b>A61K 31/4184</b> ( 2006.01 )	
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(11) AU-A-2021328081			(11) AU-A-2021334358	<b>C07D 413/14</b> ( 2006.01 )	
(21) 2021328081 (22) 05.08.2021			(21) 2021334358 (22) 27.08.2021	(87) WO2022/076417	
(54) Lifting device provided with an auxiliary device for counteracting tipover of the boom in sudden loss of load			(54) Electrolytic biocide-generating unit with flow transition detection	(31) 17/065,795 (32) 08.10.20 (33) US	
(51) Int. Cl.			(51) Int. Cl.	(43) 14.04.2022	
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(72) GABRIËL, Jan; VANDEN BRANDEN, Jeroen			<b>G01P 5/24</b> ( 2006.01 )	(11) AU-A-2021333657	
(74) Davies Collison Cave Pty Ltd			<b>G01S 15/58</b> ( 2006.01 )	(21) 2021333657 (22) 24.08.2021	
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(11) AU-A-2021398447			<b>C02F 103/02</b> ( 2006.01 )	(51) Int. Cl.	
(21) 2021398447 (22) 07.12.2021			<b>C02F 103/08</b> ( 2006.01 )	<b>E02F 9/28</b> ( 2006.01 )	
(54) Access control method, device and system			(87) WO2022/047207	<b>E02F 9/24</b> ( 2006.01 )	
(51) Int. Cl.			(31) 63/071,691 (32) 28.08.20 (33) US	<b>E02F 9/26</b> ( 2006.01 )	
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(43) 16.06.2022			(74) PHILLIPS ORMONDE FITZPATRICK	(74) Minter Ellison	
(72) STUDERUS, Paul; LÜSCHER, André; EIGENMANN, Patrik			<hr/>		
(74) FPA Patent Attorneys Pty Ltd			(71) Eli Lilly and Company	(71) Essilor International	
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(71) Dreame Innovation Technology (Suzhou) Co., Ltd.			(11) AU-A-2021343442	(11) AU-A-2021341457	
(11) AU-A-2021338322			(21) 2021343442 (22) 15.09.2021	(21) 2021341457 (22) 08.09.2021	
(21) 2021338322 (22) 30.08.2021			(54) Oral drug delivery device with expanding arms	(54) Lens element comprising an activable optical element	
(54) Intelligent cleaning system			(51) Int. Cl.	(51) Int. Cl.	
(51) Int. Cl.			<b>A61K 9/00</b> ( 2006.01 )	<b>G02C 7/08</b> ( 2006.01 )	
<b>A47L 11/24</b> ( 2006.01 )			<b>A61M 31/00</b> ( 2006.01 )	<b>G02C 7/10</b> ( 2006.01 )	
<b>A47L 11/40</b> ( 2006.01 )			(87) WO2022/060817	(87) WO2022/053511	
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<b>G05B 19/042</b> ( 2006.01 )			(72) BALSON, Maria Fernandez-Martos; FORDHAM, Matthew Keith; HORNSBY, Jack Alexander; VASILAKIS, Nikolaos Sotirios; CLARK, Sarah Louise	(72) BIVER, Claudine; ARCHAMBEAU, Samuel	
<b>G08B 21/18</b> ( 2006.01 )			(74) Spruson & Ferguson	(74) AJ PARK	
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(72) WU, Yadong; FU, Haiyang; XIA, Lei; XU, Bojian			<b>A61F 2/24</b> ( 2006.01 )	<b>A61K 39/395</b> ( 2006.01 )	
(74) Adams Pluck			<b>A61M 29/00</b> ( 2006.01 )	<b>A61P 35/00</b> ( 2006.01 )	
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(71) Edwards Lifesciences Corporation			(87) WO2022/040094	(87) WO2022/078357	
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(21) 2021352402 (22) 29.09.2021			(43) 24.02.2022	PCT/ 02.04.21 CN	
(54) Prosthetic valve delivery system			(72) JONES, Michael; WALLACE, George; HAUG, Brady		
(51) Int. Cl.			(74) Davies Collison Cave Pty Ltd		

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 (21) 2021341510 (22) 12.09.2021  
 (54) Pyrazolo(3,4-b)pyridine-4-carboxamide nitrification inhibitor  
 (51) Int. Cl.  
 C05G 3/90 ( 2020.01 )  
 C07D 471/04 ( 2006.01 )
- (87) WO2022/053661  
 (31) 20196021.8 (32) 14.09.20 (33) EP  
 (43) 17.03.2022  
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- (71) Exithera Pharmaceuticals, Inc.  
 (11) AU-A-2021343468  
 (21) 2021343468 (22) 16.09.2021  
 (54) Therapeutic compounds, compositions, and methods of use thereof  
 (51) Int. Cl.  
 A61K 31/7056 ( 2006.01 )  
 A61K 31/706 ( 2006.01 )
- (87) WO2022/060952  
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 (43) 24.03.2022  
 (72) HAYWARD, Neil J.; POLLACK Jr., Charles V.; KURZ, Michael A.  
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 (54) Working electrode for an analyte sensor  
 (51) Int. Cl.  
 A61B 5/1486 ( 2006.01 )  
 B05D 1/26 ( 2006.01 )  
 B05D 5/02 ( 2006.01 )  
 G01N 27/327 ( 2006.01 )  
 A61B 5/145 ( 2006.01 )
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 (54) New indazole acetylene derivatives  
 (51) Int. Cl.  
 C07D 487/04 ( 2006.01 )  
 A61K 31/4439 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )
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 (74) Griffith Hack
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- (71) Field Effect Software Inc.  
 (11) AU-A-2021343572  
 (21) 2021343572 (22) 14.09.2021  
 (54) Roaming DNS firewall  
 (51) Int. Cl.  
 H04W 12/128 ( 2021.01 )  
 H04W 12/102 ( 2021.01 )
- (87) WO2022/056626  
 (31) 63/078,848 (32) 15.09.20 (33) US  
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 (21) 2021360279 (22) 24.09.2021  
 (54) Flexible hose with a QR code  
 (51) Int. Cl.  
 F16L 11/08 ( 2006.01 )  
 F16L 11/12 ( 2006.01 )
- (87) WO2022/079528  
 (31) 10202000024055 (32) 13.10.20 (33) IT  
 (43) 21.04.2022  
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 (51) Int. Cl.  
 C12N 15/82 ( 2006.01 )
- (87) WO2022/058392  
 (31) 20196444.2 (32) 16.09.20 (33) EP  
 (43) 24.03.2022  
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 (21) 2021370729 (22) 29.10.2021  
 (54) Dispensing assembly for dispensing a flowable food product  
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 A47J 31/44 ( 2006.01 )  
 A47J 31/46 ( 2006.01 )  
 B67D 1/00 ( 2006.01 )
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 (43) 05.05.2022  
 (72) VAN DRUTEN, Wiebe Nicolaas  
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 (51) Int. Cl.  
 G06Q 40/04 ( 2012.01 )
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 (72) LI, Jian  
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 (51) Int. Cl.  
 A61N 1/32 ( 2006.01 )  
 A61B 18/14 ( 2006.01 )  
 C12M 1/42 ( 2006.01 )
- (87) WO2022/031797  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021341544  
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 (54) Signal generators for use with tissue modification systems  
 (51) Int. Cl.  
 A61B 18/12 ( 2006.01 )
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 (43) 17.03.2022  
 (72) GUNDERT, Timothy J.; FRIEDRICH, Paul B.  
 (74) Davies Collison Cave Pty Ltd
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- (71) GammaDelta Therapeutics Limited  
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 (21) 2021323512 (22) 14.08.2021  
 (54) Multispecific anti-TCR delta variable 1 antibodies  
 (51) Int. Cl.  
 A61P 35/00 ( 2006.01 )  
 A61K 35/17 ( 2015.01 )  
 C07K 16/28 ( 2006.01 )  
 C07K 16/30 ( 2006.01 )  
 C07K 16/32 ( 2006.01 )  
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 C12N 5/0783 ( 2010.01 )
- (87) WO2022/034562  
 (31) PCT/GB2020/051959 (32) 14.08.20 (33) GB  
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 (74) Davies Collison Cave Pty Ltd

(71) Gehlot, A.  
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 (54) A novel passive surge water hammer protection system  
 (51) Int. Cl.  
*F16L 55/045* ( 2006.01 )  
 (87) WO2022/059020  
 (31) 202021040070 (32) 16.09.20 (33) IN  
 (43) 24.03.2022  
 (72) GEHLOT, Ashok  
 (74) Alder IP Pty Ltd

(71) Genentech, Inc; F. Hoffmann-La Roche AG; Hoffmann-La Roche Inc.  
 (11) AU-A-2021353532  
 (21) 2021353532 (22) 30.09.2021  
 (54) Process for the preparation of biheteroaryl compounds and crystal forms thereof  
 (51) Int. Cl.  
*C07D 491/08* ( 2006.01 )  
*A61K 31/537* ( 2006.01 )  
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 (11) AU-A-2021339006  
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 (54) Bispecific antibody against CD3 and CD20 in combination therapy for treating diffuse large B-cell lymphoma  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053657  
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 (72) ELLIOTT, Brian; AHMADI, Tahamtan  
 (74) Griffith Hack

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 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )

*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053655  
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 (54) Bispecific antibody against CD3 and CD20 in combination therapy for treating diffuse large B-cell lymphoma  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
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 (31) 63/076,797 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
 (72) ELLIOTT, Brian; AHMADI, Tahamtan; CHIU, Christopher; BREIJ, Esther C. W.; HIEMSTRA, Ida; JURE-KUNKEL, Maria N.  
 (74) Griffith Hack

(71) Genmab A/S  
 (11) AU-A-2021341509  
 (21) 2021341509 (22) 10.09.2021  
 (54) Bispecific antibody against CD3 and CD20 in combination therapy for treating follicular lymphoma  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053656  
 (31) 63/076,792 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
 (72) ELLIOTT, Brian; AHMADI, Tahamtan; CHIU, Christopher; BREIJ, Esther C. W.  
 (74) Griffith Hack

(71) Genmab A/S  
 (11) AU-A-2021342342  
 (21) 2021342342 (22) 10.09.2021  
 (54) Bispecific antibodies against CD3 and CD20 for treating chronic lymphocytic leukemia  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053653  
 (31) 63/076,733 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
 (72) ELLIOTT, Brian; CHEN, Jenny,J.; AHMADI, Tahamtan; CHIU, Christopher; BREIJ, Esther, C. W.; HIEMSTRA, Ida; JURE-KUNKEL, Maria,N.  
 (74) Griffith Hack

(71) Genmab A/S  
 (11) AU-A-2021342342  
 (21) 2021342342 (22) 10.09.2021  
 (54) Bispecific antibodies against CD3 and CD20 for treating chronic lymphocytic leukemia  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053653  
 (31) 63/076,733 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
 (72) ELLIOTT, Brian; CHEN, Jenny,J.; AHMADI, Tahamtan; CHIU, Christopher; BREIJ, Esther, C. W.; HIEMSTRA, Ida; JURE-KUNKEL, Maria,N.  
 (74) Griffith Hack

(71) Genmab A/S  
 (11) AU-A-2021342343  
 (21) 2021342343 (22) 10.09.2021  
 (54) Bispecific antibody against cd3 and cd20 in combination therapy for treating diffuse large b-cell lymphoma  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/053658  
 (31) 63/076,818 (32) 10.09.20 (33) US  
 63/164,255 22.03.21 US  
 (43) 17.03.2022  
 (72) ELLIOTT, Brian; AHMADI, Tahamtan; GARRIDO CASTRO, Patricia  
 (74) Griffith Hack

(71) GeoQuest Systems B.V.  
 (11) AU-A-2021345368  
 (21) 2021345368 (22) 16.09.2021  
 (54) Presentation of automated petrotechnical data management in a cloud computing environment  
 (51) Int. Cl.  
*G06Q 10/06* ( 2012.01 )  
*G06Q 10/10* ( 2012.01 )  
 (87) WO2022/061350  
 (31) 62/706,909 (32) 17.09.20 (33) US  
 (43) 24.03.2022  
 (72) CRUISE, Jamie; MACGREGOR, Andrew; CANTERA RUBIO, Fernando Nahu; GOEL, Anuj  
 (74) Griffith Hack

(71) GEROX WORKS, S.L.  
 (11) AU-A-2021346936  
 (21) 2021346936 (22) 22.09.2021  
 (54) Anchoring element, assembly and system  
 (51) Int. Cl.  
*F16B 7/04* ( 2006.01 )  
*A47G 25/06* ( 2006.01 )  
*F16B 7/22* ( 2006.01 )  
 (87) WO2022/064383  
 (31) 20382848.8 (32) 25.09.20 (33) EP  
 (43) 31.03.2022  
 (72) GUSI GRACIA, Carlos Joaquin  
 (74) AJ Pietras IP Limited

(71) GERTRUDE BIOMEDICAL PTY LTD  
 (11) AU-A-2020464868  
 (21) 2020464868 (22) 26.08.2020  
 (54) Antiviral SOX inhibitors  
 (51) Int. Cl.  
*A61K 31/192* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*A61P 31/22* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2022/040719  
 (43) 03.03.2022  
 (72) FRANCOIS, Mathias Frederic; ZUEGG, Johannes  
 (74) FB Rice Pty Ltd

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

- (71) Gilead Sciences, Inc.  
 (11) AU-A-2021320236  
 (21) 2021320236 (22) 05.08.2021  
 (54) Prodrugs of phosphoramidate nucleotide analogues and their pharmaceutical use  
 (51) Int. Cl.  
**A61K 31/675** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**C07F 9/6561** ( 2006.01 )  
 (87) WO2022/031894  
 (31) 63/062,899 (32) 07.08.20 (33) US  
 (43) 10.02.2022  
 (72) BYUN, Daniel H.; CHUN, Byoung-Kwon; CLARKE, Michael O.; JANSA, Petr; NADUTHAMBI, Devan; SQUIRES, Neil H.  
 (74) Davies Collison Cave Pty Ltd
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- (71) GK8 Ltd  
 (11) AU-A-2021323524  
 (21) 2021323524 (22) 11.08.2021  
 (54) Transferring cryptocurrency from a remote limited access wallet  
 (51) Int. Cl.  
**G06Q 20/36** ( 2012.01 )  
**G06F 21/57** ( 2013.01 )  
**G06F 21/60** ( 2013.01 )  
**G06F 21/62** ( 2013.01 )  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**H04L 9/08** ( 2006.01 )  
 (87) WO2022/034592  
 (31) 16/989,939 (32) 11.08.20 (33) US  
 (43) 17.02.2022  
 (72) SHAMAI, Shahar; LAMESH, Lior  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Global Energy Interconnection Research Institute Co., Ltd.; State Grid Corporation of China; State Grid Zhejiang Electric Power Co.,Ltd.  
 (11) AU-A-2021354815  
 (21) 2021354815 (22) 28.09.2021  
 (54) Copper-tungsten alloy material, preparation method therefor, and application thereof  
 (51) Int. Cl.  
**C22C 27/04** ( 2006.01 )  
**C22C 1/05** ( 2006.01 )  
**C22C 1/10** ( 2006.01 )  
**C22F 1/02** ( 2006.01 )  
**C22F 1/18** ( 2006.01 )  
 (87) WO2022/068812  
 (31) 202011068818.9 (32) 30.09.20 (33) CN  
 (43) 07.04.2022  
 (72) ZHU, Zhixiang; DING, Yi; CHEN, Baoan; ZHANG, Qiang; ZHU, Chengzhi  
 (74) Madderns Pty Ltd
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- (71) Goya Dental Pty Ltd  
 (11) AU-A-2021360119  
 (21) 2021360119 (22) 15.09.2021  
 (54) An electromagnetic radiation poly-capillary block filter and applications thereof  
 (51) Int. Cl.  
**G21K 1/02** ( 2006.01 )  
**A61B 6/00** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
**G01N 23/00** ( 2006.01 )  
**G02B 27/30** ( 2006.01 )  
 (87) WO2022/077050  
 (31) 2020903716 (32) 13.10.20 (33) AU  
 (43) 21.04.2022  
 (72) MERVIN, Kyle Andrew  
 (74) Alder IP Pty Ltd
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- (71) Greenpro Solutions Pty Ltd  
 (11) AU-A-2021339459  
 (21) 2021339459 (22) 30.07.2021  
 (54) Adjustable applicator  
 (51) Int. Cl.  
**B05B 1/16** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )  
**A01M 11/00** ( 2006.01 )  
**A01M 15/00** ( 2006.01 )  
**A01M 17/00** ( 2006.01 )  
**A01M 21/04** ( 2006.01 )  
**A62C 11/00** ( 2006.01 )  
**A62C 13/00** ( 2006.01 )  
**A62C 19/00** ( 2006.01 )  
**A62C 25/00** ( 2006.01 )  
**B05B 1/00** ( 2006.01 )  
**B05B 7/00** ( 2006.01 )  
**B05B 12/00** ( 2018.01 )  
**B05B 12/08** ( 2006.01 )  
**B05B 12/20** ( 2018.01 )  
**B05B 12/32** ( 2018.01 )  
 (87) WO2022/051796  
 (31) 2020903226 (32) 09.09.20 (33) AU  
 (43) 17.03.2022  
 (72) MITCHELL, Grant; ANDREWS, Trevor  
 (74) Griffith Hack
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- (71) Green Technology Research Co., Ltd  
 (11) AU-A-2021340515  
 (21) 2021340515 (22) 08.09.2021  
 (54) Process and system for hydrotreating renewable feedstock  
 (51) Int. Cl.  
**C10G 3/00** ( 2006.01 )  
 (87) WO2022/055437  
 (31) 10202008815X (32) 09.09.20 (33) SG  
 (43) 17.03.2022  
 (72) SIRIMITRTRAKUL, Supakorn; SODSAI, Nuttapong  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) GUANGZHOU EEC BIOTECH DEVELOPMENT CO., LTD.  
 (11) AU-A-2021326906  
 (21) 2021326906 (22) 18.08.2021  
 (54) Chlorin derivative or pharmaceutically acceptable salt thereof, preparation method therefor, use thereof, and combination thereof with ultrasound medical system  
 (51) Int. Cl.  
**C07D 487/22** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
 (87) WO2022/037599  
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- (43) 24.02.2022  
 (72) ZHAO, Weijie; SU, Jiang'an; LI, Qing; WANG, Xiaohuai; SHAO, Kun; YU, Bo; WANG, Xiaqing  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Guangzhou Institute of Geochemistry, Chinese Academy of Sciences  
 (11) AU-A-2021430505  
 (21) 2021430505 (22) 28.10.2021  
 (54) Effective benzo[a]pyrene-degrading fungus *Aspergillus elsenburgensis* LJD-6 and its application  
 (51) Int. Cl.  
**C12N 1/14** ( 2006.01 )  
**B09C 1/10** ( 2006.01 )  
**C12N 1/26** ( 2006.01 )  
**C12R 1/66** ( 2006.01 )  
 (31) 202111145357.5 (32) 28.09.21 (33) CN  
 (43) 13.04.2023  
 (72) LUO, Chunling; LI, Jibing; DAI, Yeliang; JIANG, Longfei; ZHANG, Gan  
 (74) Madderns Pty Ltd
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- (71) Halliburton Energy Services, Inc.  
 (11) AU-A-2020481645  
 (21) 2020481645 (22) 28.12.2020  
 (54) Fluid activated metal alloy shut off device  
 (51) Int. Cl.  
**E21B 34/08** ( 2006.01 )  
**E21B 33/127** ( 2006.01 )  
**E21B 43/12** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
 (87) WO2022/132187  
 (31) 17/124,666 (32) 17.12.20 (33) US  
 (43) 23.06.2022  
 (72) NEWTON, Daniel Craig  
 (74) Sprunson & Ferguson
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- (71) Heliatek GmbH; Technische Universität Dresden  
 (11) AU-A-2021334059  
 (21) 2021334059 (22) 31.08.2021  
 (54) Chemical compound, use of at least one such chemical compound in an optoelectronic component, and optoelectronic component containing at least one such chemical compound  
 (51) Int. Cl.  
**H10K 85/30** ( 2023.01 )  
**H10K 85/60** ( 2023.01 )  
 (87) WO2022/042804  
 (31) 10 2020 122 729.9 (32) 31.08.20 (33) DE  
 (43) 03.03.2022  
 (72) ANDERNACH, Rolf; COUTABLE, Ludovic; FITZNER, Roland; GUTKOWSKI, Krzysztof; HILDEBRANDT, Dirk; MINDAUGAS, Kirkus; WEISS, Andre  
 (74) Golja Haines & Friend
- 
- (71) Helmholtz-Zentrum für Infektionsforschung GmbH; Universität des Saarlandes  
 (11) AU-A-2021334987  
 (21) 2021334987 (22) 24.08.2021

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

- (54) Inhibitors of *Pseudomonas aeruginosa* virulence factor LasB
- (51) Int. Cl.  
**C07C 323/60** ( 2006.01 )  
**A61K 31/095** ( 2006.01 )  
**A61K 31/10** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/4184** ( 2006.01 )  
**A61K 31/426** ( 2006.01 )  
**A61K 31/428** ( 2006.01 )  
**A61K 31/4406** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**C07D 213/74** ( 2006.01 )  
**C07D 235/30** ( 2006.01 )  
**C07D 277/46** ( 2006.01 )  
**C07D 277/82** ( 2006.01 )  
**C07D 333/36** ( 2006.01 )  
**C07F 9/38** ( 2006.01 )  
**C07F 9/40** ( 2006.01 )
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(31) 20192608.6 (32) 25.08.20 (33) EP  
(43) 03.03.2022
- (72) DUCHO, Christian; HARTMANN, Rolf W.; HAUPENTHAL, Jörg; HIRSCH, Anna K. H.; KANY, Andreas; KAYA, Cansu; KONSTANTINOVIC, Jelena; VOOS, Katrin; WALTER, Isabell; YAHIAOUI, Samir; ABDELSAMINE, Ahmed Saad; SCHÜTZ, Christian; JUMDE, Ravindra; KIEFER, Alexander
- (74) Griffith Hack
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- (71) HEMPIRE (SHANGHAI) PHARMACEUTICAL R&D LIMITED  
(11) AU-A-2021459955  
(21) 2021459955 (22) 26.11.2021  
(54) Cannabinoid composition and application thereof in preparation of drug for treating neurodegenerative diseases such as parkinson's disease and alzheimer's disease
- (51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61K 36/60** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61K 127/00** ( 2006.01 )  
**A61K 133/00** ( 2006.01 )
- (87) WO2023/015772  
(31) 202110916566.9 (32) 11.08.21 (33) CN  
(43) 16.02.2023
- (72) ZOU, Chendong; TAI, Hei; WANG, Guijiang; XIAO, Wan; HUANG, Sui
- (74) HEMPIRE (SHANGHAI) PHARMACEUTICAL R&D LIMITED
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- (71) Hitachi Energy Switzerland AG  
(11) AU-A-2021338990  
(21) 2021338990 (22) 09.09.2021  
(54) Chargeless interrupter device for surge arrester
- (51) Int. Cl.  
**H01T 1/14** ( 2006.01 )  
**H01H 39/00** ( 2006.01 )
- (87) WO2022/053577  
(31) 17/016,163 (32) 09.09.20 (33) US  
(43) 17.03.2022
- (72) KESTER, Jeffrey Joseph; MUGWYLER, Remo
- (74) FB Rice Pty Ltd
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- (71) Hitachi Zosen Inova AG  
(11) AU-A-2021359761  
(21) 2021359761 (22) 12.10.2021  
(54) Method for cleaning a gas mixture by adding ozone
- (51) Int. Cl.  
**B01D 53/04** ( 2006.01 )  
**B01D 53/72** ( 2006.01 )  
**B01D 53/76** ( 2006.01 )
- (87) WO2022/079004  
(31) 20201345.4 (32) 12.10.20 (33) EP  
(43) 21.04.2022
- (72) JORDAN, Uwe; HACK, Gamuret; VÖLLMY, Lukas
- (74) Spruson & Ferguson
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- (71) HOFLEER OY  
(11) AU-A-2021330354  
(21) 2021330354 (22) 20.08.2021  
(54) Method of manufacturing a glove and a glove
- (51) Int. Cl.  
**A41D 19/00** ( 2006.01 )  
**A41D 19/015** ( 2006.01 )
- (87) WO2022/043606  
(31) 20193029.4 (32) 27.08.20 (33) EP  
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(43) 03.03.2022
- (72) LYYTINEN, Sami; LYYTINEN, Tiia
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Homology Medicines, Inc.  
(11) AU-A-2021340972  
(21) 2021340972 (22) 09.09.2021  
(54) Vectorized antibodies and uses thereof
- (51) Int. Cl.  
**C12N 15/86** ( 2006.01 )
- (87) WO2022/056531  
(31) 63/075,898 (32) 09.09.20 (33) US  
63/179,990 26.04.21 US  
(43) 17.03.2022
- (72) BARNES, Carmen; SHARMA, Yogeshwar; DOLLIVE, Serena; FRANCONI, Omar
- (74) Davies Collison Cave Pty Ltd
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- (71) Horizon Therapeutics USA, Inc.  
(11) AU-A-2021324665  
(21) 2021324665 (22) 10.08.2021  
(54) Methods of treating gout
- (51) Int. Cl.  
**A61P 19/06** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61K 38/44** ( 2006.01 )  
**A61K 47/60** ( 2017.01 )
- (87) WO2022/035828  
(31) 63/063,826 (32) 10.08.20 (33) US  
63/148,982 12.02.21 US  
(43) 17.02.2022
- (72) PELOSO, Paul; LAMOREAUX, Brian; VERMA, Swarnendra
- (74) Spruson & Ferguson
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- (71) HP3 Real GmbH  
(11) AU-A-2021339456  
(21) 2021339456 (22) 06.09.2021  
(54) Track-tamping machine for compressing the ballast bed of a track
- (51) Int. Cl.  
**E01B 27/16** ( 2006.01 )
- (87) WO2022/051788  
(31) A50769/2020 (32) 10.09.20 (33) AT  
(43) 17.03.2022
- (72) LICHTBERGER, Bernhard
- (74) FB Rice Pty Ltd
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- (71) Hsia, H.  
(11) AU-A-2021324673  
(21) 2021324673 (22) 10.08.2021  
(54) Compositions and methods for treating viral infection
- (51) Int. Cl.  
**A61K 35/60** ( 2006.01 )  
**A61K 31/122** ( 2006.01 )  
**A61K 33/04** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61N 5/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )
- (87) WO2022/035869  
(31) 63/063,542 (32) 10.08.20 (33) US  
(43) 17.02.2022
- (72) HSIA, Houn Simon
- (74) RNB IP PTY LTD
- 
- (71) Huawei Digital Power Technologies Co., Ltd.  
(11) AU-A-2021334490  
(21) 2021334490 (22) 17.05.2021  
(54) Series/parallel converter protection system, controller, and converter
- (51) Int. Cl.  
**H02M 1/088** ( 2006.01 )  
**H02H 3/20** ( 2006.01 )  
**H02S 40/36** ( 2014.01 )
- (87) WO2022/041856  
(31) 202010899466.5 (32) 31.08.20 (33) CN  
(43) 03.03.2022
- (72) CAO, Zhen; CHEN, Dong; YAO, Xiaofeng
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Huawei Digital Power Technologies Co., Ltd.  
(11) AU-A-2021336496  
(21) 2021336496 (22) 27.07.2021  
(54) Power converter, photovoltaic power generation system, and method and apparatus
- (51) Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )  
**H02M 7/48** ( 2007.01 )  
**H02M 7/72** ( 2006.01 )  
**H02S 40/32** ( 2014.01 )
- (87) WO2022/048345  
(31) 202010910289.6 (32) 02.09.20 (33) CN  
(43) 10.03.2022
- (72) GAO, Yongbing; TANG, Yunyu; SHI, Lei
- (74) PHILLIPS ORMONDE FITZPATRICK

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

- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2021336597  
 (21) 2021336597 (22) 31.08.2021  
 (54) Channel access method for multi-link device, and related apparatus  
 (51) Int. Cl.  
 H04W 74/08 ( 2009.01 )  
 H04W 76/15 ( 2018.01 )  
 (87) WO2022/048548  
 (31) 202010924423.8 (32) 04.09.20 (33) CN  
 (43) 10.03.2022  
 (72) GUO, Yuchen; LI, Yunbo; LI, Yiqing; GAN, Ming  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) HYPersonIX IP HOLDINGS, INC.  
 (11) AU-A-2020467223  
 (21) 2020467223 (22) 08.09.2020  
 (54) Airframe integrated scramjet with fixed geometry and shape transition for hypersonic operation over a large mach number range  
 (51) Int. Cl.  
 F02K 7/14 ( 2006.01 )  
 (87) WO2022/055478  
 (43) 17.03.2022  
 (72) SMART, Michael Kevin  
 (74) Spruson & Ferguson
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- (71) IgNova GmbH  
 (11) AU-A-2021275403  
 (21) 2021275403 (22) 18.05.2021  
 (54) Antibody that binds specifically to the SARS CoV 2 spike protein, and methods for its manufacture  
 (51) Int. Cl.  
 A61K 39/215 ( 2006.01 )  
 A61P 31/12 ( 2006.01 )  
 C07K 16/02 ( 2006.01 )  
 (87) WO2021/233927  
 (31) 63/026,188 (32) 18.05.20 (33) US  
 20175218.5 18.05.20 EP  
 (43) 25.11.2021  
 (72) WESJOHANN, Jan; GERRITS, Michael; UGRINOVIC, Tonchy; VAN SA, Nguyen; MICHELS, Andreas  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) IL Dong Pharmaceutical Co., Ltd.  
 (11) AU-A-2021336445  
 (21) 2021336445 (22) 06.09.2021  
 (54) Novel Bacillus velezensis strains and uses thereof  
 (51) Int. Cl.  
 C12N 1/20 ( 2006.01 )  
 A23L 33/135 ( 2016.01 )  
 A61K 35/741 ( 2015.01 )  
 A61P 1/02 ( 2006.01 )  
 C12R 1/07 ( 2006.01 )  
 (87) WO2022/050795  
 (31) 10-2020-0114169 (32) 07.09.20 (33) KR  
 (43) 10.03.2022  
 (72) LEE, Byeonghun; KIM, Min Goo; EUN, Suhyeon; KIM, Hyeoungun; IM, A. Rang; HAN, Chiyong; LEE, Dong Hoon  
 (74) Spruson & Ferguson
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- (71) IL Dong Pharmaceutical Co., Ltd.  
 (11) AU-A-2021336446  
 (21) 2021336446 (22) 06.09.2021  
 (54) Bacillus subtilis strain and use thereof  
 (51) Int. Cl.  
 C12N 1/20 ( 2006.01 )  
 A23L 33/135 ( 2016.01 )  
 A61K 35/742 ( 2015.01 )  
 A61P 1/02 ( 2006.01 )  
 C12R 1/125 ( 2006.01 )  
 (87) WO2022/050797  
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 (11) AU-A-2021320095  
 (21) 2021320095 (22) 28.07.2021  
 (54) Vehicle ceramic surface treatment composition and process for use thereof  
 (51) Int. Cl.  
 C09G 1/08 ( 2006.01 )  
 C09G 1/16 ( 2006.01 )  
 C08K 3/22 ( 2006.01 )  
 C08K 3/36 ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2021339547 (22) 25.08.2021  
 (54) Wire strand attachment clip  
 (51) Int. Cl.  
 E04H 17/12 ( 2006.01 )  
 E04H 17/10 ( 2006.01 )  
 (87) WO2022/055708  
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 (72) SCHAEFER, Patrick D.; MANIAR, Nind C.  
 (74) Davies Collison Cave Pty Ltd
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- (71) Incyte Corporation  
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 (21) 2021329301 (22) 17.08.2021  
 (54) Process and intermediates for preparing a JAK1 inhibitor  
 (51) Int. Cl.  
 C07D 205/04 ( 2006.01 )  
 C07D 401/14 ( 2006.01 )  
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 G06F 3/01 ( 2006.01 )  
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 (21) 2021323513 (22) 16.08.2021  
 (54) Sub-surface soil irrigation  
 (51) Int. Cl.  
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 A01G 25/06 ( 2006.01 )  
 A01G 27/00 ( 2006.01 )  
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 (72) CLARKE, Richard Enslin  
 (74) James & Wells Intellectual Property
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 A61K 9/19 ( 2006.01 )  
 C12N 7/02 ( 2006.01 )  
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 (21) 2021342204 (22) 03.09.2021  
 (54) Device and system for monitoring the risk of pest infestation in a grain storage environment  
 (51) Int. Cl.  
 A01M 1/10 ( 2006.01 )  
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 A01M 17/00 ( 2006.01 )  
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 (51) Int. Cl.  
 H01Q 9/28 ( 2006.01 )  
 H01Q 21/24 ( 2006.01 )  
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 (72) SUNDARARAJAN, Niranjan; ZHU, Ji-aqiang  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021325901 (22) 11.08.2021  
 (54) Methods for targeted depletion of nucleic acids  
 (51) Int. Cl.  
 C12Q 1/6806 ( 2018.01 )  
 C12N 15/10 ( 2006.01 )  
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 (43) 17.02.2022  
 (72) BROWN, Keith  
 (74) FB Rice Pty Ltd

(71) Kantonsspital St. Gallen  
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 (21) 2021366287 (22) 20.10.2021  
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 (51) Int. Cl.  
 C07K 16/22 ( 2006.01 )  
 A61P 9/12 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2021368502 (22) 27.10.2021  
 (54) Extendable coupler  
 (51) Int. Cl.  
 B61G 3/10 ( 2006.01 )  
 B61G 7/08 ( 2006.01 )  
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 (72) KINGHORN, John Ritchie  
 (74) James & Wells Intellectual Property

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 (21) 2021329443 (22) 23.08.2021  
 (54) Containment of PFAS  
 (51) Int. Cl.  
 B09C 1/08 ( 2006.01 )  
 C04B 18/04 ( 2006.01 )  
 C04B 28/04 ( 2006.01 )  
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 (72) KITA, Andrew; SCOTT, Grant  
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 (51) Int. Cl.  
 E02F 3/85 ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (54) System and method for controlling multiple work machines  
 (51) Int. Cl.  
 E02F 9/20 ( 2006.01 )  
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 G05D 1/02 ( 2020.01 )  
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 (72) KADONO, Yuuichi  
 (74) Spruson & Ferguson

(71) Kumquat Biosciences Inc.  
 (11) AU-A-2021331492  
 (21) 2021331492 (22) 27.08.2021  
 (54) Heterocyclic compounds and uses thereof  
 (51) Int. Cl.  
 A61K 31/4375 ( 2006.01 )  
 C07D 401/14 ( 2006.01 )  
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 C07D 417/14 ( 2006.01 )  
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 (11) AU-A-2021338748

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 (54) Diaphragm wall down-the-hole hammer trenching machine and use method thereof  
 (51) Int. Cl.  
 E21B 4/16 ( 2006.01 )  
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 (31) 202010934370.8 (32) 08.09.20 (33) CN  
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 (72) Li, Sheng; LI, Xinxing  
 (74) LAMINAR IP PTY LTD

(71) Light Labs Inc.  
 (11) AU-A-2021311622  
 (21) 2021311622 (22) 21.07.2021  
 (54) Methods and apparatus for using filtering to improve image patch matching  
 (51) Int. Cl.  
 G06T 5/00 ( 2006.01 )  
 G06T 5/50 ( 2006.01 )  
 G06T 7/55 ( 2017.01 )  
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 (21) 2021340205 (22) 08.09.2021  
 (54) Surgical spacer device for a joint  
 (51) Int. Cl.  
 A61B 17/02 ( 2006.01 )  
 A61F 2/40 ( 2006.01 )  
 (87) WO2022/053519  
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 (72) PATERSON, Paul; PRESSACCO, Michele; DOSSO, Marco; DELLA VEDOVA, Francesco  
 (74) MINTER ELLISON

(71) Linde GmbH  
 (11) AU-A-2021341351  
 (21) 2021341351 (22) 09.09.2021  
 (54) Burner and method for operating a burner  
 (51) Int. Cl.  
 F23D 14/22 ( 2006.01 )  
 F23D 14/32 ( 2006.01 )  
 F23L 7/00 ( 2006.01 )  
 F23N 1/02 ( 2006.01 )  
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 (43) 17.03.2022  
 (72) GRIPENBERG, Henrik; RANGMARK, Lennart; EKMAN, Tomas; LODIN, Johannes; RICHARDSON, Andrew, Peter  
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(71) LINPAC Packaging Limited  
 (11) AU-A-2021338984  
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 (54) Fluid retaining substrate  
 (51) Int. Cl.  
 B65D 81/26 ( 2006.01 )

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 ALAIZOKI, Alaa  
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- (71) LivePerson, Inc.  
 (11) AU-A-2021343437  
 (21) 2021343437 (22) 15.09.2021  
 (54) Bot supervision  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
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 (31) 63/078,718 (32) 15.09.20 (33) US  
 (43) 24.03.2022  
 (72) HIGGINS, Michael; CHEN, Xi; HE,  
 Chuqinh; RICART, Ender  
 (74) Spruson & Ferguson
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- (71) LKAB Wassara AB  
 (11) AU-A-2021352827  
 (21) 2021352827 (22) 19.08.2021  
 (54) A drive device for rotatable operation of  
 a drill bit of a down-the-hole hammer  
 (51) Int. Cl.  
**E21B 4/02** ( 2006.01 )  
**E21B 4/16** ( 2006.01 )  
 (87) WO2022/071838  
 (31) 2051146-5 (32) 01.10.20 (33) SE  
 (43) 07.04.2022  
 (72) HÖRMAN, Magnus; EGERSTRÖM,  
 Frekrik; ÖHNSTRÖM, Martin; FRID-  
 SELL, Magnus  
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- (71) Lmito Therapeutics Inc.  
 (11) AU-A-2021329159  
 (21) 2021329159 (22) 13.08.2021  
 (54) Imidazolquinoline or benzimidazolone  
 compound and intermediate for prepar-  
 ing same  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07D 231/56** ( 2006.01 )  
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 (43) 24.02.2022  
 (72) LEE, Whee Seong; HONG, Yong Rae;  
 KO, In Seok; LEE, Eun Ju  
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- (71) Loxo Oncology, Inc.  
 (11) AU-A-2021342132  
 (21) 2021342132 (22) 09.09.2021  
 (54) Processes and intermedi-  
 ates for the preparation of  
 (s)-5-amino-3-(4-((5-fluoro-2-  
 methoxybenzamido)methyl)phenyl)-1-  
 (1,1,1-trifluoropropane-2-yl)-1H-  
 pyrazole-4-carboxamide  
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 EARY, Charles Todd; FENNELL, Jared  
 Wade; FRANK, Scott Alan; MAGNUS,  
 Nicholas Andrew; MCFADDIN, Eliza-  
 beth Ann; ROTHHAAR, Roger Ry-  
 an; SPENCER, Stacey Renee; VAID,  
 Radhe Krishan  
 (74) Davies Collison Cave Pty Ltd
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- (71) Luigi Lavazza S.p.A.  
 (11) AU-A-2021345545  
 (21) 2021345545 (22) 15.09.2021  
 (54) Device for heating and frothing milk  
 (51) Int. Cl.  
**A47J 31/44** ( 2006.01 )  
**A47J 31/46** ( 2006.01 )  
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 (31) 10202000021793 (32) 16.09.20 (33) IT  
 (43) 24.03.2022  
 (72) MOLINARO, Gabriele; PICONE, Gab-  
 riele Luciano; KUIPER, Jelmer Jeroen;  
 VERLOOP, Thomas Gerard  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Manitou BF  
 (11) AU-A-2021339024  
 (21) 2021339024 (22) 06.09.2021  
 (54) Lifting machine, such as an aerial lift,  
 for lifting persons and optionally loads  
 (51) Int. Cl.  
**B66F 11/04** ( 2006.01 )  
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 (31) FR2009203 (32) 11.09.20 (33) FR  
 (43) 17.03.2022  
 (72) ROUSSEAU, Jérôme  
 (74) Griffith Hack
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- (71) Marengo Therapeutics, Inc.  
 (11) AU-A-2021333779  
 (21) 2021333779 (22) 26.08.2021  
 (54) Methods of detecting TRBC1 or TRBC2  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
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 Madan; GUNTAS, Gurkan; MAREK,  
 Peter; PALAKURTHI, Sangeetha  
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 (11) AU-A-2021347101  
 (21) 2021347101 (22) 17.09.2021  
 (54) Food compositions and applications  
 thereof  
 (51) Int. Cl.
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 (31) 20198127.1 (32) 24.09.20 (33) EP  
 (43) 31.03.2022  
 (72) LEROUXEL, M. Nicolas  
 (74) Griffith Hack
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- (71) Mastercard Technologies Canada ULC  
 (11) AU-A-2021340276  
 (21) 2021340276 (22) 08.09.2021  
 (54) Configurable data container for fraud  
 detection system  
 (51) Int. Cl.  
**G06F 21/00** ( 2013.01 )  
**G06F 21/55** ( 2013.01 )  
 (87) WO2022/051845  
 (31) 17/016,518 (32) 10.09.20 (33) US  
 (43) 17.03.2022  
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 Wei; MCGEE, Perry; KHERA, Sunita  
 (74) Davies Collison Cave Pty Ltd
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- (71) Medal, T.; Sela, G.; Synaptive Medical  
 Inc.  
 (11) AU-A-2020257783  
 (21) 2020257783 (22) 15.04.2020  
 (54) Augmented optical imaging system for  
 use in medical procedures  
 (51) Int. Cl.  
**H04N 13/25** ( 2018.01 )  
**A61B 34/20** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )  
**A61B 90/20** ( 2016.01 )  
**A61B 90/50** ( 2016.01 )  
**G06T 11/60** ( 2006.01 )  
**H04N 13/122** ( 2018.01 )  
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 (31) 16/384,075 (32) 15.04.19 (33) US  
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 (74) Synaptive Medical Inc.
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- (71) me energy GmbH  
 (11) AU-A-2021338961  
 (21) 2021338961 (22) 06.09.2021  
 (54) Charging column  
 (51) Int. Cl.  
**B60L 53/30** ( 2019.01 )  
**B60L 53/50** ( 2019.01 )  
**B60L 53/53** ( 2019.01 )  
**B60L 53/57** ( 2019.01 )  
**B60L 53/62** ( 2019.01 )  
**B60L 58/10** ( 2019.01 )  
 (87) WO2022/053432  
 (31) 10 2020 123 798.7 (32) 11.09.20 (33) DE  
 (43) 17.03.2022  
 (72) SOHL, Alexander; ADLER, Inès  
 (74) James & Wells Intellectual Property
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- (71) MEFA Befestigungs- und Mont-  
 agesysteme GmbH  
 (11) AU-A-2021339792  
 (21) 2021339792 (22) 30.08.2021

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 (51) Int. Cl.  
**F16B 5/02** ( 2006.01 )  
 (87) WO2022/053105  
 (31) 10 2020 123 901.7 (32) 14.09.20 (33) DE  
 (43) 17.03.2022  
 (72) SCHNEIDER, Martin; SCHEIDEL, Ulrich  
 (74) AJ PARK
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- (71) Merck Sharp & Dohme LLC; Werthein Biopharma GmbH  
 (11) AU-A-2021341956  
 (21) 2021341956 (22) 08.09.2021  
 (54) Process for preparing sugammadex  
 (51) Int. Cl.  
**A61K 31/724** ( 2006.01 )  
**A61K 31/716** ( 2006.01 )  
**C08B 37/00** ( 2006.01 )  
**C08L 5/16** ( 2006.01 )  
 (87) WO2022/055916  
 (31) 63/076,133 (32) 09.09.20 (33) US  
 (43) 17.03.2022  
 (72) LAMBERTO, David, J.; AVALLE, Paolo; CODAN, Lorenzo; LARPENT, Patrick; SCHOELL, Jochen; NEUHAUS, Jeffrey  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) Mesoblast International Sarl  
 (11) AU-A-2021323475  
 (21) 2021323475 (22) 09.08.2021  
 (54) A composition comprising mesenchymal precursor or stem cells and their use  
 (51) Int. Cl.  
**A61K 35/28** ( 2015.01 )  
**C12N 5/00** ( 2006.01 )  
**C12N 5/0775** ( 2010.01 )  
 (87) WO2022/034467  
 (31) 2020902827 (32) 10.08.20 (33) AU  
 (43) 17.02.2022  
 (72) ITESCU, Silviu; SIMMONS, Paul  
 (74) FB Rice Pty Ltd
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- (71) Mesoblast International Sarl  
 (11) AU-A-2021324483  
 (21) 2021324483 (22) 10.08.2021  
 (54) Cellular compositions and methods of treatment  
 (51) Int. Cl.  
**C12N 5/0775** ( 2010.01 )  
**A61K 35/28** ( 2015.01 )  
**A61K 35/768** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2022/034506  
 (31) 63/063,657 (32) 10.08.20 (33) US  
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 (72) ITESCU, Silviu; SANDRASAGRA, Anthony  
 (74) FB Rice Pty Ltd
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- (71) Mirvie, Inc.  
 (11) AU-A-2021324778  
 (21) 2021324778 (22) 12.08.2021
- (54) Methods and systems for determining a pregnancy-related state of a subject  
 (51) Int. Cl.  
**C12Q 1/6874** ( 2018.01 )  
**C12Q 1/6883** ( 2018.01 )  
**G16B 30/00** ( 2019.01 )  
**G16B 40/00** ( 2019.01 )  
**G16B 40/20** ( 2019.01 )  
**G16H 50/30** ( 2018.01 )  
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 (31) 63/065,130 (32) 13.08.20 (33) US  
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 (74) FB Rice Pty Ltd
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- (71) Mitsubishi Electric Corporation  
 (11) AU-A-2020475165  
 (21) 2020475165 (22) 26.10.2020  
 (54) Power converter, motor driver, and equipment used in refrigeration cycle applied  
 (51) Int. Cl.  
**H02M 7/48** ( 2007.01 )  
 (87) WO2022/091184  
 (43) 05.05.2022  
 (72) TAKAHARA, Takaaki; ARISAWA, Koichi; UEMURA, Keisuke; MATSUO, Haruka; MATSUZAKI, Koyo; TAKAHASHI, Kenji; SATAKE, Akira; TOYODA, Hajime  
 (74) Griffith Hack
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- (71) Mitsubishi Shipbuilding Co., Ltd.  
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 (54) Floating structure  
 (51) Int. Cl.  
**B63B 25/08** ( 2006.01 )  
**B63B 25/16** ( 2006.01 )  
**F17C 13/10** ( 2006.01 )  
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 (31) 2020-186523 (32) 09.11.20 (33) JP  
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 (72) ABE, Kazuya; MORIMOTO, Shinsuke  
 (74) Davies Collison Cave Pty Ltd
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- (71) ModernaTX, Inc.; Smith, M.; Auer, J.; Skinner, B.  
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 (54) Methods of preparing lipid nanoparticles  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/28** ( 2006.01 )  
 (87) WO2022/032087  
 (31) 63/143,703 (32) 29.01.21 (33) US  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Moose Creative Management Pty Limited  
 (11) AU-A-2021364698  
 (21) 2021364698 (22) 15.10.2021  
 (54) Toy system  
 (51) Int. Cl.  
**A63H 3/00** ( 2006.01 )  
**A63H 3/28** ( 2006.01 )  
**A63H 3/50** ( 2006.01 )  
**A63H 3/52** ( 2022.01 )  
**A63H 19/14** ( 2006.01 )  
**A63J 21/00** ( 2006.01 )  
 (87) WO2022/086820  
 (31) 63/094,190 (32) 20.10.20 (33) US  
 (43) 28.04.2022  
 (72) DEL GIUDICE, Dean; BUDD, Carl; SALVAGGIO, Tori; AUSTIN-SMITH, James; MONKS, Ross; EMBLIN, David  
 (74) FB Rice Pty Ltd
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- (71) Nanjing Chervon Industry Co., Ltd.  
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 (54) Outdoor travel device  
 (51) Int. Cl.  
**A01D 34/64** ( 2006.01 )  
**B60K 1/04** ( 2019.01 )  
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 (31) 202110714441.8 (32) 25.06.21 (33) CN  
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 (72) YANG, Dezhong; LIU, Yangzi; LI, Li; LI, Ju; LU, Changhai  
 (74) Madderns Pty Ltd
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- (71) Nanjing Institute of Agricultural Mechanization, Ministry of Agriculture and Rural Affairs  
 (11) AU-A-2022256171  
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 (54) Weeding robot and method, apparatus for planning weeding path for the same and medium  
 (51) Int. Cl.  
**A01D 34/64** ( 2006.01 )  
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 (72) CUI, Longfei; XUE, Xinyu; LE, Feixiang; SUN, Tao; ZHANG, Songchao; CHEN, Chen; JIN, Yongkui; XU, Yang; SUN, Zhu; DING, Suming; ZHOU, Qingqing; CAI, Chen; GU, Wei; KONG, Wei  
 (74) GLMR
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- (71) Nazzar, C.  
 (11) AU-A-2021326374  
 (21) 2021326374 (22) 13.08.2021  
 (54) Method for separating water and contaminants from valuable or harmful liquids  
 (51) Int. Cl.  
**B01D 1/14** ( 2006.01 )

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**B01D 3/06** ( 2006.01 )  
**B01D 5/00** ( 2006.01 )  
**C02F 1/10** ( 2006.01 )  
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**(31)** 767167 **(32)** 14.08.20 **(33)** NZ  
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**(43)** 17.02.2022  
**(72)** NAZZER, Craig  
**(74)** Southern Cross Intellectual Property
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- (71)** Neovacs; INSERT (Institut National de la Santé et de la Recherche Médicale); Institut Pasteur  
**(11)** AU-A-2021343290  
**(21)** 2021343290 **(22)** 17.09.2021  
**(54)** Immunogenic product comprising an IgE fragment for treating IgE-mediated inflammatory disorders  
**(51)** Int. Cl.  
**A61K 39/385** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
**C07K 16/42** ( 2006.01 )  
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**(43)** 24.03.2022  
**(72)** REBER, Laurent; BRUHNS, Pierre; CONDE GARCIA, Eva; BACKOVIC, Marija; SERRA, Vincent; GROUARD-VOGEL, Géraldine; BERTRAND, Romain  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery  
**(11)** AU-A-2021344396  
**(21)** 2021344396 **(22)** 15.09.2021  
**(54)** Total arthroplasty of the carpometacarpal joint  
**(51)** Int. Cl.  
**A61F 2/30** ( 2006.01 )  
**A61F 2/42** ( 2006.01 )  
**(87)** WO2022/060853  
**(31)** 63/078,499 **(32)** 15.09.20 **(33)** US  
**(43)** 24.03.2022  
**(72)** HOTCHKISS, Robert; DALUISKI, Aaron; WRIGHT, Timothy; QUEVEDO-GONZALEZ, Fernando; LIPMAN, Joseph; OSEI, Daniel; LO, Darrick; SARKAR, Ritvik  
**(74)** James & Wells Intellectual Property
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- (71)** NGK Insulators, Ltd.  
**(11)** AU-A-2022288464  
**(21)** 2022288464 **(22)** 08.06.2022  
**(54)** Membrane reactor  
**(51)** Int. Cl.  
**B01D 53/22** ( 2006.01 )  
**B01D 69/00** ( 2006.01 )  
**B01D 69/10** ( 2006.01 )  
**B01D 69/12** ( 2006.01 )  
**B01J 35/02** ( 2006.01 )  
**C07C 1/04** ( 2006.01 )
- C07C 1/12** ( 2006.01 )  
**C07C 11/02** ( 2006.01 )  
**C07C 29/152** ( 2006.01 )  
**C07C 31/04** ( 2006.01 )  
**C07C 31/08** ( 2006.01 )  
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**(72)** KAN, Hirofumi; TORII, Atsushi; IIDA, Kazuki  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Nichia Corporation  
**(11)** AU-A-2021340423  
**(21)** 2021340423 **(22)** 09.09.2021  
**(54)** Nitride semiconductor element and method for manufacturing nitride semiconductor element  
**(51)** Int. Cl.  
**H01L 33/04** ( 2010.01 )  
**H01L 33/32** ( 2010.01 )  
**(87)** WO2022/054877  
**(31)** 2020-153275 **(32)** 11.09.20 **(33)** JP  
**(43)** 17.03.2022  
**(72)** FUNAKOSHI, Ryota  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Nicolon Corporation D/B/A Tencate Geosynthetics Americas  
**(11)** AU-A-2021343430  
**(21)** 2021343430 **(22)** 15.09.2021  
**(54)** Woven fabric with comparable tensile strength in warp and weft directions  
**(51)** Int. Cl.  
**D03D 13/00** ( 2006.01 )  
**D03D 1/00** ( 2006.01 )  
**D03D 15/00** ( 2021.01 )  
**(87)** WO2022/060766  
**(31)** 17/022,422 **(32)** 16.09.20 **(33)** US  
**(43)** 24.03.2022  
**(72)** JONES, David Michael; KING, Kevin Nelson; BENFIELD, Larry Ray  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2020468291  
**(21)** 2020468291 **(22)** 18.09.2020  
**(54)** Detection device, learning device, detection method, learning method, detection program, and learning program  
**(51)** Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**(87)** WO2022/059209  
**(43)** 24.03.2022  
**(72)** YAMANAKA, Yuki  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** NOBELL FOODS, INC.  
**(11)** AU-A-2021353004  
**(21)** 2021353004 **(22)** 30.09.2021  
**(54)** Recombinant milk proteins and food compositions comprising the same  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**C12N 9/64** ( 2006.01 )
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**(31)** 63/174,244 **(32)** 13.04.21 **(33)** US  
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**(43)** 07.04.2022  
**(72)** LANQUAR, Viviane; EL-RICHANI, Magi; HATHWAIK, Leyla; KLEMASZEWSKI, Joseph; KEEBAUGH, Matthew; WANG, Yaxin  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Nohms Technologies, Inc.  
**(11)** AU-A-2021358713  
**(21)** 2021358713 **(22)** 05.10.2021  
**(54)** Lithium-ion battery electrolyte additive  
**(51)** Int. Cl.  
**H01M 10/0567** ( 2010.01 )  
**H01G 11/58** ( 2013.01 )  
**H01G 11/60** ( 2013.01 )  
**H01G 11/62** ( 2013.01 )  
**H01G 11/64** ( 2013.01 )  
**H01M 10/056** ( 2010.01 )  
**H01M 10/0568** ( 2010.01 )  
**H01M 10/0569** ( 2010.01 )  
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**(31)** 63/087,473 **(32)** 05.10.20 **(33)** US  
**(43)** 14.04.2022  
**(72)** MOGANTY, Surya, S.; VAIDYA, Rutvik; SINICROPI, John; WU, Yue; TORRES, Gabriel  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Nuovo Pignone Technologie - S.r.l.  
**(11)** AU-A-2021334790  
**(21)** 2021334790 **(22)** 25.08.2021  
**(54)** Drive arrangement for a mechanical driven equipment  
**(51)** Int. Cl.  
**F16H 3/72** ( 2006.01 )  
**F02C 9/00** ( 2006.01 )  
**H02P 1/16** ( 2006.01 )  
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**(31)** 102020000020593 **(32)** 28.08.20 **(33)** IT  
**(43)** 03.03.2022  
**(72)** MARAGIOGLIO, Gaspare  
**(74)** Patent Attorney Services
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- (71)** Nüwiel GmbH  
**(11)** AU-A-2021344541  
**(21)** 2021344541 **(22)** 19.08.2021  
**(54)** System of a motor driven trailer and a towbar  
**(51)** Int. Cl.  
**B60T 7/20** ( 2006.01 )  
**B60D 1/24** ( 2006.01 )  
**B60L 50/20** ( 2019.01 )  
**B60T 8/17** ( 2006.01 )  
**B62D 59/04** ( 2006.01 )  
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(74) Griffith Hack
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(21) 2021327848 (22) 16.08.2021  
(54) Weight plate  
(51) Int. Cl.  
A63B 21/072 ( 2006.01 )  
(87) WO2022/038341  
(31) 2013047.2 (32) 21.08.20 (33) GB  
(43) 24.02.2022  
(72) CHOUDHURY, Abdul Wajed; CONWAY, Charlie; LEE, Alex; MEADOWS, Charlie  
(74) LAMINAR IP PTY LTD
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- (71) On Target Laboratories, LLC  
(11) AU-A-2021344972  
(21) 2021344972 (22) 16.09.2021  
(54) Detection of circulating tumor cells using tumor-targeted nir agents  
(51) Int. Cl.  
G01N 33/574 ( 2006.01 )  
C07K 16/30 ( 2006.01 )  
C12N 5/09 ( 2010.01 )  
G01N 33/533 ( 2006.01 )  
(87) WO2022/060935  
(31) 63/079,178 (32) 16.09.20 (33) US  
(43) 24.03.2022  
(72) KULARATNE, Sumith A.; MAYERS, Carry  
(74) Blue Penguin IP Ltd
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- (71) Opex Corporation  
(11) AU-A-2021325977  
(21) 2021325977 (22) 16.08.2021  
(54) Material handling apparatus having separate workstation and method of use  
(51) Int. Cl.  
B07C 3/08 ( 2006.01 )  
B07C 5/36 ( 2006.01 )  
B07C 5/38 ( 2006.01 )  
B65G 1/04 ( 2006.01 )  
B65G 1/137 ( 2006.01 )  
B65G 1/16 ( 2006.01 )  
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(72) VALINSKY, Joseph; STEVENS, Alexander; BLOCH, Nathan; MUTTATHIL, George; BAINES, David  
(74) AJ PARK
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- (71) Optibiotix Limited  
(11) AU-A-2021323436  
(21) 2021323436 (22) 13.08.2021  
(54) Compositions and methods of production thereof  
(51) Int. Cl.  
A23L 33/16 ( 2016.01 )  
A23L 2/52 ( 2006.01 )  
A23L 33/105 ( 2016.01 )  
A23L 33/21 ( 2016.01 )
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- (71) Oregon Health & Science University  
(11) AU-A-2021362467  
(21) 2021362467 (22) 13.10.2021  
(54) Auxetic device delivery apparatus and method  
(51) Int. Cl.  
A61F 2/95 ( 2013.01 )  
(87) WO2022/081668  
(31) 63/090,847 (32) 13.10.20 (33) US  
(43) 21.04.2022  
(72) AL-HAKIM, Ramsey; FARSAAD, Khashayar; KAUFMAN, John A.  
(74) James & Wells Intellectual Property
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- (71) Otago Innovation Limited  
(11) AU-A-2021323505  
(21) 2021323505 (22) 13.08.2021  
(54) Dental device and methods  
(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
A61B 5/107 ( 2006.01 )  
A61B 8/08 ( 2006.01 )  
A61C 19/04 ( 2006.01 )  
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(31) 767112 (32) 13.08.20 (33) NZ  
(43) 17.02.2022  
(72) BHATTACHARJEE, Tanmoy; HARRIS, Paul David; DUNCAN, Warwick John  
(74) AJ PARK
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- (71) Othair Prothena Limited  
(11) AU-A-2021345451  
(21) 2021345451 (22) 19.05.2021  
(54) Beta-amyloid vaccine for the treatment of alzheimer's disease  
(51) Int. Cl.  
A61P 25/28 ( 2006.01 )  
A61K 39/00 ( 2006.01 )  
A61P 37/04 ( 2006.01 )  
(87) WO2022/060424  
(31) 63/079,806 (32) 17.09.20 (33) US  
(43) 24.03.2022  
(72) BARBOUR, Robin; KINNEY, Gene; ZAGO, Wagner  
(74) Spruson & Ferguson
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- (71) Othair Prothena Limited  
(11) AU-A-2021345483  
(21) 2021345483 (22) 06.08.2021  
(54) Multipeptide vaccine for the treatment of alzheimer's disease  
(51) Int. Cl.  
A61P 25/00 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
C07K 14/01 ( 2006.01 )  
C12N 15/85 ( 2006.01 )
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- (71) Otonexus Medical Technologies, Inc.  
(11) AU-A-2021328481  
(21) 2021328481 (22) 19.08.2021  
(54) Wearable auscultation device  
(51) Int. Cl.  
A61B 5/08 ( 2006.01 )  
A61B 5/24 ( 2021.01 )  
A61B 7/00 ( 2006.01 )  
A61B 7/04 ( 2006.01 )  
A61N 1/365 ( 2006.01 )  
A63B 24/00 ( 2006.01 )  
(87) WO2022/040456  
(31) 63/067,502 (32) 19.08.20 (33) US  
(43) 24.02.2022  
(72) MOEHRING, Mark A.; ALLEMAN, Anthony J.  
(74) AJ PARK
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- (71) Oxford BioDynamics PLC  
(11) AU-A-2021360263  
(21) 2021360263 (22) 11.10.2021  
(54) Disease marker  
(51) Int. Cl.  
C12Q 1/6883 ( 2018.01 )  
(87) WO2022/079418  
(31) 2016176.6 (32) 12.10.20 (33) GB  
(43) 21.04.2022  
(72) RAMADASS, Aroul Selvam; HUNTER, Ewan; AKOULITCHEV, Alexandre  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Oxford Nanopore Technologies PLC  
(11) AU-A-2021356235  
(21) 2021356235 (22) 08.10.2021  
(54) Modification of a nanopore forming protein oligomer  
(51) Int. Cl.  
C07K 1/107 ( 2006.01 )  
B82Y 40/00 ( 2011.01 )  
C07K 1/13 ( 2006.01 )  
C07K 1/22 ( 2006.01 )  
G01N 15/00 ( 2006.01 )  
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(31) 2015993.5 (32) 08.10.20 (33) GB  
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(74) Spruson & Ferguson
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- (71) Pierre Fabre Medicament  
(11) AU-A-2021358394  
(21) 2021358394 (22) 05.10.2021  
(54) Combination of encorafenib and binimetinib as adjuvant treatment for resected stage II melanoma

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**A61K 31/4184** ( 2006.01 )  
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**A61K 31/506** ( 2006.01 )  
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(87) WO2022/074011  
(31) 20306154.4 (32) 05.10.20 (33) EP  
(43) 14.04.2022  
(72) VEDOVATO, Jean-Claude; SUISSA, Jeanne; PROVENDIER, Olivier  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Politecnico di Milano; Ospedale San Raffaele S.r.l.  
(11) AU-A-2021332134  
(21) 2021332134 (22) 13.08.2021  
(54) Device for biological cultures  
(51) Int. Cl.  
**C12M 1/00** ( 2006.01 )  
**C12M 1/12** ( 2006.01 )  
(87) WO2022/043815  
(31) 10202000020410 (32) 25.08.20 (33) IT  
(43) 03.03.2022  
(72) FIORE, Gianfranco Beniamino; SONCINI, Monica; PIOLA, Marco; COPPADORO, Lorenzo Pietro; FOGLIENI, Chiara; LOMBARDI, Maria  
(74) Griffith Hack
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- (71) Prevail Therapeutics, Inc.  
(11) AU-A-2021324686  
(21) 2021324686 (22) 10.08.2021  
(54) Gene therapies for lysosomal disorders  
(51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/861** ( 2006.01 )  
(87) WO2022/035903  
(31) 63/063,851 (32) 10.08.20 (33) US  
(43) 17.02.2022  
(72) ABELIOVICH, Asa; SEVIGNY, Jeffrey; LEWIS, Travis; USPENSKAYA, Olga  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Pride Mobility Products Corporation  
(11) AU-A-2021334348  
(21) 2021334348 (22) 27.08.2021  
(54) Adjustable armrest for wheelchair  
(51) Int. Cl.  
**A61G 5/10** ( 2006.01 )  
**A47C 1/022** ( 2006.01 )  
**A47C 1/03** ( 2006.01 )  
**A47C 1/031** ( 2006.01 )  
**A61G 5/02** ( 2006.01 )  
**A61G 5/12** ( 2006.01 )  
(87) WO2022/047157  
(31) 63/071,216 (32) 27.08.20 (33) US  
(43) 03.03.2022  
(72) WITLOX, Wessel Evert; SAYRE, Jean Marie; XIE, Matthew Yu Song; RUMFELS, Gilles Alain Martin Grant; DOLICHNYI, Nazar  
(74) Spruson & Ferguson
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- (71) Pride Mobility Products Corporation  
(11) AU-A-2021334349  
(21) 2021334349 (22) 27.08.2021  
(54) Caster angle adjuster
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- (51) Int. Cl.  
**A61G 5/10** ( 2006.01 )  
**B60B 33/00** ( 2006.01 )  
**B60B 33/04** ( 2006.01 )  
(87) WO2022/047162  
(31) 63/071,213 (32) 27.08.20 (33) US  
(43) 03.03.2022  
(72) WITLOX, Wessel Evert; XIE, Matthew Yu Song; DOLICHNYI, Nazar  
(74) Spruson & Ferguson
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- (71) Promega Corporation  
(11) AU-A-2021336880  
(21) 2021336880 (22) 01.09.2021  
(54) Nucleic acid modifying reagents and uses thereof  
(51) Int. Cl.  
**C12Q 1/6806** ( 2018.01 )  
(87) WO2022/051405  
(31) 63/073,787 (32) 02.09.20 (33) US  
(43) 10.03.2022  
(72) SHI, Ce; FEIRER, Nathan; SCURRIA, Michael; MONDAL, Subhanjan; GOUELI, Said; KIRKLAND, Thomas; CALL, James J.; MEISENHEIMER, Poncho  
(74) Davies Collison Cave Pty Ltd
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- (71) ProteomEdge AB  
(11) AU-A-2021325340  
(21) 2021325340 (22) 10.08.2021  
(54) Solid mixture comprising standard protein  
(51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
(87) WO2022/034049  
(31) 20190220.2 (32) 10.08.20 (33) EP  
(43) 17.02.2022  
(72) EDFORS, Fredrik; KOTOL, David; UHLÉN, Mathias  
(74) Davies Collison Cave Pty Ltd
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- (71) Prothena Biosciences Limited  
(11) AU-A-2021344230  
(21) 2021344230 (22) 06.08.2021  
(54) Alpha-synuclein vaccine for the treatment of synucleinopathies  
(51) Int. Cl.  
**A61K 38/08** ( 2019.01 )  
**A61P 25/28** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
(87) WO2022/060487  
(31) 63/079,819 (32) 17.09.20 (33) US  
(43) 24.03.2022  
(72) BARBOUR, Robin; KINNEY, Gene; ZAGO, Wagner  
(74) Spruson & Ferguson
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- (71) Provincial Health Services Authority; The University of British Columbia  
(11) AU-A-2021366975  
(21) 2021366975 (22) 21.10.2021  
(54) Novel CXCR4-targeting compounds  
(51) Int. Cl.  
**C07K 7/54** ( 2006.01 )  
**A61K 51/08** ( 2006.01 )
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- C07K 7/00** ( 2006.01 )  
(87) WO2022/082312  
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(43) 28.04.2022  
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(54) A bladder assembly and method  
(51) Int. Cl.  
**F16L 55/165** ( 2006.01 )  
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(72) MCGUINNESS, Garry  
(74) Davies Collison Cave Pty Ltd
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- (71) PULMOSIM THERAPEUTICS LLC  
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(21) 2021339756 (22) 10.09.2021  
(54) Compositions and methods for treating or preventing pulmonary hypertension  
(51) Int. Cl.  
**A61K 31/00** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
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(72) GUPTA, Vivek  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Qingdao Haier Refrigerator Co., Ltd  
(11) AU-A-2021260530  
(21) 2021260530 (22) 30.03.2021  
(54) Refrigerator  
(51) Int. Cl.  
**F25D 11/02** ( 2006.01 )  
**F25D 17/04** ( 2006.01 )  
**F25D 21/04** ( 2006.01 )  
**F25D 23/00** ( 2006.01 )  
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(72) ZHU, Yuntao; LIU, Qinglin  
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(54) Electrical connection assembly  
(51) Int. Cl.  
**H01R 4/30** ( 2006.01 )  
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 (11) AU-A-2021328501  
 (21) 2021328501 (22) 13.08.2021  
 (54) Treatment of obesity in subjects having variant nucleic acid molecules encoding calcitonin receptor (CALCR)  
 (51) Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
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 (11) AU-A-2021362806  
 (21) 2021362806 (22) 13.10.2021  
 (54) Dynamic canvas tensioning system  
 (51) Int. Cl.  
**B44D 3/18** ( 2006.01 )  
**E04B 9/30** ( 2006.01 )  
**E04F 10/02** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2021340881 (22) 14.09.2021  
 (54) Systems and methods for ultrasound and photoacoustic guidance of coronary procedures  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**A61B 8/12** ( 2006.01 )  
**G01S 5/18** ( 2006.01 )  
**G02B 6/036** ( 2006.01 )  
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 (72) MILNER, Thomas E.; FELDMAN, Marc D.; KATTA, Nitesh  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Samsara Eco Pty Limited  
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 (21) 2022273817 (22) 13.05.2022  
 (54) Enzyme variants and uses thereof  
 (51) Int. Cl.  
**C12N 9/18** ( 2006.01 )  
**C08J 11/10** ( 2006.01 )  
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 (54) Speaker module structure and electronic device comprising same  
 (51) Int. Cl.  
**G06F 1/16** ( 2006.01 )  
**H04R 1/28** ( 2006.01 )  
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 (11) AU-A-2021334028  
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 (51) Int. Cl.  
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**A61P 31/12** ( 2006.01 )  
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 (74) Blue Penguin IP Ltd
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 (51) Int. Cl.  
**A61K 31/195** ( 2006.01 )  
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**A61P 25/28** ( 2006.01 )  
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 (74) James & Wells Intellectual Property
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 (51) Int. Cl.  
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 (74) Griffith Hack
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 (21) 2021343765 (22) 16.09.2021  
 (54) Method and apparatus for binding metal wires and similar products  
 (51) Int. Cl.  
**E04G 21/12** ( 2006.01 )  
**B65B 13/28** ( 2006.01 )  
**B65B 27/10** ( 2006.01 )  
**E04C 5/16** ( 2006.01 )  
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 (72) PRIULI, Elia  
 (74) A.P.T. Patent and Trade Mark Attorneys
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 (21) 2021345576 (22) 16.09.2021  
 (54) Method and apparatus for binding metal wires and similar products  
 (51) Int. Cl.  
**E04G 21/12** ( 2006.01 )  
**B21F 15/06** ( 2006.01 )  
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 (31) 10202000021862 (32) 16.09.20 (33) IT  
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 (72) PRIULI, Elia  
 (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) SenseTime International Pte. Ltd.  
 (11) AU-A-2021240190  
 (21) 2021240190 (22) 27.09.2021  
 (54) Object sequence recognition method, network training method, apparatuses, device, and medium  
 (51) Int. Cl.  
**G06N 3/02** ( 2006.01 )  
**A63F 13/45** ( 2014.01 )  
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 (43) 06.04.2023  
 (72) CHEN, Jinghuan; MA, Jiabin  
 (74) FB Rice Pty Ltd
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 (21) 2021240212 (22) 27.09.2021  
 (54) Object sequence recognition method, network training method, apparatuses, device, and medium  
 (51) Int. Cl.  
**G06N 3/02** ( 2006.01 )  
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 (21) 2021240228 (22) 27.09.2021  
 (54) Method, apparatus and device for recognizing stacked objects, and computer storage medium  
 (51) Int. Cl.  
 G06T 7/10 ( 2017.01 )  
 G06N 3/02 ( 2006.01 )  
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 (72) CHEN, Jinghuan; CHEN, Kaige  
 (74) FB Rice Pty Ltd
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 (21) 2021240272 (22) 26.09.2021  
 (54) Image generating methods and apparatuses, and detecting methods and apparatuses  
 (51) Int. Cl.  
 G06N 3/04 ( 2023.01 )  
 A63F 1/00 ( 2006.01 )  
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 (72) CHEN, Jinghuan; LIU, Chunya; ZHANG, Xuesen; WANG, Bairun  
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 (21) 2021240278 (22) 24.09.2021  
 (54) Face identification methods and apparatuses  
 (51) Int. Cl.  
 G06V 10/72 ( 2022.01 )  
 G06N 3/02 ( 2006.01 )  
 G06T 7/00 ( 2017.01 )  
 G06V 10/25 ( 2022.01 )  
 G06V 10/62 ( 2022.01 )  
 G06V 40/16 ( 2022.01 )  
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- (71) Setiowaty, J.  
 (11) AU-A-2021327675  
 (21) 2021327675 (22) 17.08.2021  
 (54) String handler and method for handling strings useable for games  
 (51) Int. Cl.  
 A63F 9/24 ( 2006.01 )  
 G07F 17/32 ( 2006.01 )  
 A63F 5/00 ( 2006.01 )  
 A63F 9/00 ( 2006.01 )  
 A63F 9/04 ( 2006.01 )  
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 (31) NL2026302 (32) 20.08.20 (33) NL  
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 (72) SETIOWATY, Johannes Hendro Yuniko  
 (74) LAMINAR IP PTY LTD
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- (71) Shandong University of Science and Technology  
 (11) AU-A-2021430345  
 (21) 2021430345 (22) 15.06.2021  
 (54) Composite impact resistance apparatus and applications thereof  
 (51) Int. Cl.  
 F16F 13/00 ( 2006.01 )  
 F16F 7/12 ( 2006.01 )  
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 (31) 202110201245.0 (32) 23.02.21 (33) CN  
 (43) 01.09.2022  
 (72) WANG, Chenglong; CHEN, Meng  
 (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) ShanghaiTech University  
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 (54) Immunoregulatory compound and anti-tumor application thereof  
 (51) Int. Cl.  
 C07D 401/04 ( 2006.01 )  
 A61K 31/517 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 37/00 ( 2006.01 )  
 C07D 401/14 ( 2006.01 )  
 C07D 405/04 ( 2006.01 )  
 C07D 405/14 ( 2006.01 )  
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 (74) Madderns Pty Ltd
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- (71) Shenzhen Protgen Ltd.  
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 (54) Young and undamaged human serum albumin improves longevity of human  
 (51) Int. Cl.  
 A61K 38/38 ( 2006.01 )  
 A61P 21/00 ( 2006.01 )  
 A61P 25/28 ( 2006.01 )  
 C07K 14/765 ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) Simplifyber, Inc.  
 (11) AU-A-2021336979  
 (21) 2021336979 (22) 03.09.2021  
 (54) Clothing item including at least one three-dimensional contour, and method of making the same  
 (51) Int. Cl.  
 A41B 3/00 ( 2006.01 )  
 A41B 1/22 ( 2006.01 )  
 A41D 1/00 ( 2018.01 )  
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 (74) Adrian M Trioli Patent and Trade Mark Attorney
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- (71) SiteOne Therapeutics, Inc.  
 (11) AU-A-2021326546  
 (21) 2021326546 (22) 14.08.2021  
 (54) Non-hydrated ketone inhibitors of Nav1.7 for the treatment of pain  
 (51) Int. Cl.  
 C07D 487/14 ( 2006.01 )  
 A61K 31/519 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 C07D 487/12 ( 2006.01 )  
 (87) WO2022/036297  
 (31) 63/066,012 (32) 14.08.20 (33) US  
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 (72) PAJOUHESH, Hassan; MULCAHY, John; MONTELEONE, Dennis; ZHOU, Xiang  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Sleep Number Corporation  
 (11) AU-A-2021401567  
 (21) 2021401567 (22) 10.12.2021  
 (54) Bed foundation adjustment controls  
 (51) Int. Cl.  
 A47C 20/04 ( 2006.01 )  
 A47C 31/00 ( 2006.01 )  
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 (43) 23.06.2022  
 (72) SMITH, David; KIRK, Antony  
 (74) Spruson & Ferguson
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- (71) Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited  
 (11) AU-A-2021353782  
 (21) 2021353782 (22) 02.09.2021  
 (54) Systems and methods for delivering an anesthetizing solution into the ear canal  
 (51) Int. Cl.  
 A61F 11/00 ( 2022.01 )  
 A61N 1/30 ( 2006.01 )  
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 (31) 63/084,804 (32) 29.09.20 (33) US  
 (43) 07.04.2022  
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- (71) Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited  
 (11) AU-A-2021356545  
 (21) 2021356545 (22) 08.10.2021  
 (54) Computer-implemented method of planning a replacement procedure for a patella  
 (51) Int. Cl.

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**(43)** 14.04.2022  
**(72)** MARINESCU TANASOCA, Ruxandra Cristiana; MCKINNON, Brian W.; DUXBURY, Elizabeth A.; BROOKE, Russell J.; MORRISON, Mark L.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SOCIAL PROFIT NETWORK  
**(11)** AU-A-2021340589  
**(21)** 2021340589 **(22)** 03.09.2021  
**(54)** Methods and compositions for delivery of biotin to mitochondria  
**(51)** Int. Cl.  
**A61K 31/4188** ( 2006.01 )  
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**(31)** 63/076,022 **(32)** 09.09.20 **(33)** US  
 63/075,996 09.09.20 US  
**(43)** 17.03.2022  
**(72)** SZETO, Hazel  
**(74)** Eagar & Associates Pty Ltd
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- (71)** Société des Produits Nestlé S.A.  
**(11)** AU-A-2021370938  
**(21)** 2021370938 **(22)** 29.10.2021  
**(54)** Compositions containing Nicotinamide and Vitamin B6 and methods of using such compositions for promoting muscle growth  
**(51)** Int. Cl.  
**A61K 31/4415** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**(87)** WO2022/090473  
**(31)** 20204861.7 **(32)** 30.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** STUELSATZ, Pascal; FEIGE, Jerome; MICHAUD, Joris; ANCEL, Sara  
**(74)** Spruson & Ferguson
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- (71)** Société des Produits Nestlé S.A.  
**(11)** AU-A-2021376858  
**(21)** 2021376858 **(22)** 09.11.2021  
**(54)** Nutritional composition  
**(51)** Int. Cl.  
**A23L 33/125** ( 2016.01 )  
**A23C 9/13** ( 2006.01 )  
**A23C 9/20** ( 2006.01 )  
**A23L 33/00** ( 2016.01 )  
**A61K 31/702** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**A61P 3/02** ( 2006.01 )  
**(87)** WO2022/101222  
**(31)** 20206583.5 **(32)** 10.11.20 **(33)** EP  
**(43)** 19.05.2022  
**(72)** BLANCHARD, Carine; KWONG CHUNG, Cheong Kwet Choy; HOLVOET, Sébastien; DONNICOLA, Dominique Sandra  
**(74)** Spruson & Ferguson
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- (71)** Sorrento Therapeutics, Inc.  
**(11)** AU-A-2021325879  
**(21)** 2021325879 **(22)** 10.08.2021
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- (54)** Treating pulmonary inflammatory disease by neural ablation  
**(51)** Int. Cl.  
**A61B 18/00** ( 2006.01 )  
**(87)** WO2022/035840  
**(31)** 63/064,302 **(32)** 11.08.20 **(33)** US  
**(43)** 17.02.2022  
**(72)** NAHAMA, Alexis G.  
**(74)** FB Rice Pty Ltd
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- (71)** Spectrum Brands, Inc.  
**(11)** AU-A-2021341806  
**(21)** 2021341806 **(22)** 07.09.2021  
**(54)** Hybrid steamer iron assembly  
**(51)** Int. Cl.  
**D06F 75/16** ( 2006.01 )  
**D06F 75/20** ( 2006.01 )  
**D06F 75/38** ( 2006.01 )  
**(87)** WO2022/055844  
**(31)** 63/075,489 **(32)** 08.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** HEIDENREICH, Drew W.; KOEBLER, Rachel B.; NERNBERGER, Kroy E.; SAMPATH, Boopalan; STRONG, Daniel R.  
**(74)** Armour IP
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- (71)** SRUC  
**(11)** AU-A-2021341635  
**(21)** 2021341635 **(22)** 09.09.2021  
**(54)** Biomarkers for diagnosing a disease such as heart or cardiovascular disease.  
**(51)** Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
**(87)** WO2022/053811  
**(31)** 2014190.9 **(32)** 09.09.20 **(33)** GB  
**(43)** 17.03.2022  
**(72)** HANKS, Eve  
**(74)** FB Rice Pty Ltd
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- (71)** Stepan Company  
**(11)** AU-A-2021342286  
**(21)** 2021342286 **(22)** 13.09.2021  
**(54)** Compositions containing dialkyl amino acid ester salts  
**(51)** Int. Cl.  
**C07C 229/08** ( 2006.01 )  
**(87)** WO2022/056366  
**(31)** 63/077,809 **(32)** 14.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** MURPHY, Dennis S.; BUTIKAS, Renata A.; WOLFE, Patrick Shane; VOLLMER, Matthew V.  
**(74)** Spruson & Ferguson
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- (71)** Sumitomo Chemical Company, Limited  
**(11)** AU-A-2021332773  
**(21)** 2021332773 **(22)** 30.08.2021  
**(54)** Chemical reaction method, chemical reaction apparatus and production method  
**(51)** Int. Cl.  
**C07C 29/152** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**B01J 23/72** ( 2006.01 )
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- B01J 35/02** ( 2006.01 )  
**C07C 31/04** ( 2006.01 )  
**C07B 61/00** ( 2006.01 )  
**(87)** WO2022/045326  
**(31)** 2020-145863 **(32)** 31.08.20 **(33)** JP  
**(43)** 03.03.2022  
**(72)** NAKASUJI, Takehiro; SUZUTA, Tet-suya; MATSUDA, Masato; SATO, Yuichi  
**(74)** Griffith Hack
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- (71)** Sunshine Lake Pharma Co., Ltd.  
**(11)** AU-A-2021342519  
**(21)** 2021342519 **(22)** 16.09.2021  
**(54)** Compound serving as thyroid hormone  $\beta$  receptor agonist and uses of compound  
**(51)** Int. Cl.  
**C07D 401/02** ( 2006.01 )  
**A61K 31/438** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 5/14** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**A61P 9/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/00** ( 2006.01 )  
**(87)** WO2022/057845  
**(31)** 202010977443.1 **(32)** 17.09.20 **(33)** CN  
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**(74)** MINTER ELLISON
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- (71)** Swisspearl Group AG  
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**(21)** 2021366181 **(22)** 15.10.2021  
**(54)** Panel connection system  
**(51)** Int. Cl.  
**E04F 13/073** ( 2006.01 )  
**E04F 13/08** ( 2006.01 )  
**(87)** WO2022/084167  
**(31)** PCT/EP2020/079377 **(32)** 19.10.20 **(33)** EP  
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**(74)** James & Wells Intellectual Property
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- (71)** Takeda Pharmaceutical Company Limited  
**(11)** AU-A-2021329290  
**(21)** 2021329290 **(22)** 17.08.2021  
**(54)** Constrained conditionally activated binding proteins  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/040128  
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 (74) Davies Collision Cave Pty Ltd
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- (71) Tan, S.; Yu, H.  
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 (21) 2021321650 (22) 29.07.2021  
 (54) Medical robotic device, system, and method  
 (51) Int. Cl.  
*B25J 11/00* ( 2006.01 )  
*A61B 5/02* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/145* ( 2006.01 )  
*A61B 5/15* ( 2006.01 )  
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 (74) SICONG TAN
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 (54) Absorptive tip brush biopsy device, kit and method  
 (51) Int. Cl.  
*A61B 10/02* ( 2006.01 )  
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 (31) 63/075,728 (32) 08.09.20 (33) US  
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 (72) MALANOWSKA-STEGA, Zanetta; STEGA, Damian  
 (74) Adams Pluck
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- (71) Teijin Pharma Limited  
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 (21) 2021343668 (22) 14.09.2021  
 (54) Vitamin D derivative having cyclic amine in side chain  
 (51) Int. Cl.  
*C07D 205/04* ( 2006.01 )  
*A61K 31/59* ( 2006.01 )  
*A61K 47/54* ( 2017.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/18* ( 2006.01 )  
*A61P 25/22* ( 2006.01 )  
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*C07D 207/06* ( 2006.01 )  
*C07D 207/08* ( 2006.01 )  
*C07D 207/10* ( 2006.01 )  
*C07D 207/12* ( 2006.01 )  
*C07D 211/38* ( 2006.01 )  
*C07D 211/48* ( 2006.01 )  
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*C07D 265/34* ( 2006.01 )  
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 (54) Power disconnect system and method  
 (51) Int. Cl.  
*H01H 83/20* ( 2006.01 )  
*H01H 71/00* ( 2006.01 )  
*H02H 1/00* ( 2006.01 )  
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 (54) Characterising tinnitus using functional near-infrared spectroscopy  
 (51) Int. Cl.  
*A61B 5/1455* ( 2006.01 )  
*A61B 5/055* ( 2006.01 )  
*A61B 5/12* ( 2006.01 )  
*G06F 3/01* ( 2006.01 )  
*G06N 3/08* ( 2006.01 )  
*G16H 50/20* ( 2018.01 )  
*H04R 25/00* ( 2006.01 )  
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 (54) Polyvalent STING activating compositions and uses thereof  
 (51) Int. Cl.  
*A61K 31/6615* ( 2006.01 )  
*A61K 31/70* ( 2006.01 )  
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 (72) GAO, Jinming; LI, Suxin  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) The General Hospital Corporation  
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 (51) Int. Cl.  
*G06V 10/12* ( 2022.01 )
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 (74) FPA Patent Attorneys Pty Ltd
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 (54) Encapsulated agents that bind to MCT-1  
 (51) Int. Cl.  
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*A61K 47/40* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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 (74) WRAYS PTY LTD
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 (21) 2021342296 (22) 13.09.2021  
 (54) Atrioventricular valve repair ring  
 (51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
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 (31) 63/077,180 (32) 11.09.20 (33) US  
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 (72) PEARSON, Paul J.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) The Mosaic Company  
 (11) AU-A-2021325918  
 (21) 2021325918 (22) 12.08.2021  
 (54) Coating containing micronutrients for fertilizer granules  
 (51) Int. Cl.  
*C05G 5/30* ( 2020.01 )  
*C05D 9/00* ( 2006.01 )  
*C05G 1/00* ( 2006.01 )  
*C05G 5/35* ( 2020.01 )  
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 (31) 63/064,550 (32) 12.08.20 (33) US  
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 (74) Griffith Hack
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- (71) The Regents of the University of Michigan  
 (11) AU-A-2021329295  
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 (54) Nuclease-mediated nucleic acid modification  
 (51) Int. Cl.  
*C12N 15/63* ( 2006.01 )

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**C12N 9/96** ( 2006.01 )  
**C12N 15/90** ( 2006.01 )  
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**(43)** 24.02.2022  
**(72)** CHEN, Yuqing; XU, Jie; ZHANG, Jifeng; YANG, Dongshan; MA, Linyuan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** The Toro Company  
**(11)** AU-A-2021341818  
**(21)** 2021341818 **(22)** 07.09.2021  
**(54)** Compact utility loader with synchronized lift and extension of working tool attachment  
**(51)** Int. Cl.  
**E02F 3/34** ( 2006.01 )  
**(87)** WO2022/055856  
**(31)** 63/075,496 **(32)** 08.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** AZURE, John Paul; HAGER, Joseph Paul  
**(74)** Michael Buck IP

**(71)** The Trustees of the University of Pennsylvania; The Children's Hospital of Philadelphia  
**(11)** AU-A-2021338700  
**(21)** 2021338700 **(22)** 09.09.2021  
**(54)** Needle-free injector, associated reloadable and disposable nozzles, and methods of injection  
**(51)** Int. Cl.  
**A61M 5/178** ( 2006.01 )  
**(87)** WO2022/056125  
**(31)** 63/075,857 **(32)** 09.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** MAZZAFERRO, Daniel M.; BARTLETT, Scott P.  
**(74)** Spruson & Ferguson

**(71)** The University of Chicago  
**(11)** AU-A-2021335617  
**(21)** 2021335617 **(22)** 07.09.2021  
**(54)** Materials and methods of treating viral infection with amphiphilic block copolymers  
**(51)** Int. Cl.  
**A61K 39/39** ( 2006.01 )  
**A61K 39/215** ( 2006.01 )  
**C08L 53/00** ( 2006.01 )  
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**(43)** 10.03.2022  
**(72)** LEE, Raphael C.; LING, Michelle X.; NGUYEN, Michelle; MCCOLLUM, Kyle J.; BIGDELLE, Victoria A.  
**(74)** GLMR

**(71)** TMUNITY THERAPEUTICS INC.  
**(11)** AU-A-2021324776  
**(21)** 2021324776 **(22)** 12.08.2021  
**(54)** Methods for producing clinical-grade lentiviral vector  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )

**C12N 9/22** ( 2006.01 )  
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**(31)** 63/065,225 **(32)** 13.08.20 **(33)** US  
**(43)** 17.02.2022  
**(72)** BURNHAM, Michael Sean; RAHIMIAN, Maryam  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Transportation IP Holdings, LLC  
**(11)** AU-A-2021329886  
**(21)** 2021329886 **(22)** 18.08.2021  
**(54)** Filter system and method  
**(51)** Int. Cl.  
**A62B 7/10** ( 2006.01 )  
**A62B 7/12** ( 2006.01 )  
**A62B 23/02** ( 2006.01 )  
**(87)** WO2022/040254  
**(31)** 63/068,122 **(32)** 20.08.20 **(33)** US  
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**(72)** HEHER, Brett; LOCKE, Douglas Lee; COYNE, Jennifer; BARNES, John E.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Tripod Design Co., Ltd.  
**(11)** AU-A-2021325484  
**(21)** 2021325484 **(22)** 10.08.2021  
**(54)** Sensor system, sensor device, and sensing method  
**(51)** Int. Cl.  
**H01M 14/00** ( 2006.01 )  
**G01N 27/416** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**(87)** WO2022/034887  
**(31)** 2020-136072 **(32)** 11.08.20 **(33)** JP  
**(43)** 17.02.2022  
**(72)** NAKAGAWA, Satoshi  
**(74)** FB Rice Pty Ltd

**(71)** Tsinghua University  
**(11)** AU-A-2021321395  
**(21)** 2021321395 **(22)** 13.05.2021  
**(54)** Chemical synthesis of large and mirror-image proteins and uses thereof  
**(51)** Int. Cl.  
**C07K 1/02** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
**(87)** WO2022/029512  
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**(43)** 10.02.2022  
**(72)** ZHU, Ting; FAN, Chuyao; DENG, Qiang; XU, Yuan  
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**(71)** TURNA d.o.o.  
**(11)** AU-A-2021362148  
**(21)** 2021362148 **(22)** 10.08.2021  
**(54)** A door hinge for household appliances  
**(51)** Int. Cl.  
**E05D 7/12** ( 2006.01 )  
**E05D 11/10** ( 2006.01 )  
**E05F 1/12** ( 2006.01 )  
**(87)** WO2022/081097  
**(31)** P-202000183 **(32)** 12.10.20 **(33)** SI  
**(43)** 21.04.2022  
**(72)** KOLAR, Peter; PLEŠNIK, Aleš  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** U.S. SILICA COMPANY  
**(11)** AU-A-2021345366  
**(21)** 2021345366 **(22)** 15.09.2021  
**(54)** Methods and apparatus for producing nanometer scale particles utilizing an electrosterically stabilized slurry in a media mill  
**(51)** Int. Cl.  
**B02C 23/06** ( 2006.01 )  
**B02C 17/16** ( 2006.01 )  
**B02C 23/18** ( 2006.01 )  
**(87)** WO2022/061340  
**(31)** 17/023,531 **(32)** 17.09.20 **(33)** US  
**(43)** 24.03.2022  
**(72)** PITCHUMANI, Ramanan; WELLS, William; WELLER, JR., David Earl  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Ubicquia IQ LLC  
**(11)** AU-A-2021329410  
**(21)** 2021329410 **(22)** 21.08.2021  
**(54)** Node-based near-miss detection  
**(51)** Int. Cl.  
**H04N 7/18** ( 2006.01 )  
**G06T 7/13** ( 2017.01 )  
**G06T 7/20** ( 2017.01 )  
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**(31)** 17/408,084 **(32)** 20.08.21 **(33)** US  
 63/068,858 21.08.20 US  
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**(72)** NESER, Morné; HOLDEN, Samuel Leonard; MAGNAN, Sébastien  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** United Renewable Energy, LLC  
**(11)** AU-A-2021341675  
**(21)** 2021341675 **(22)** 23.08.2021  
**(54)** Off-grid electrical power system  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**H02J 7/35** ( 2006.01 )  
**H02S 10/00** ( 2014.01 )  
**(87)** WO2022/055695  
**(31)** 17/019,744 **(32)** 14.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** SILVA, William Grant; ERICKSON, Neal Robert  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Universidad Técnica Federico Santa María  
**(11)** AU-A-2020462039  
**(21)** 2020462039 **(22)** 06.08.2020  
**(54)** Membrane comprising biopolymers and carbon nanomaterials for removing heavy metals in polluted water  
**(51)** Int. Cl.  
**B01J 20/22** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
**C02F 1/28** ( 2006.01 )  
**C02F 3/32** ( 2006.01 )  
**C08L 1/04** ( 2006.01 )  
**C08L 5/00** ( 2006.01 )  
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 (21) 2021339479 (22) 08.09.2021  
 (54) Methods for generating neural progenitor cells with a spinal cord identity  
 (51) Int. Cl.  
 C12N 5/0797 (2010.01)  
 A61K 35/30 (2015.01)  
 A61P 25/00 (2006.01)  
 A61P 25/28 (2006.01)  
 C12N 5/079 (2010.01)  
 (87) WO2022/051847  
 (31) 63/075,575 (32) 08.09.20 (33) US  
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 (72) FEHLINGS, Michael G.; KHAZAEI, Mohammad; AHUJA, Christopher S.  
 (74) FPA Patent Attorneys Pty Ltd
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 (54) Methods and compositions for stimulating gamma delta T cells  
 (51) Int. Cl.  
 A61K 35/17 (2015.01)  
 C07K 14/735 (2006.01)  
 C12N 5/0783 (2010.01)  
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 (74) FB Rice Pty Ltd
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- (71) University of Georgia Research Foundation, Inc.; The United States of America, as represented by the Secretary of Agriculture  
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 (21) 2021342299 (22) 13.09.2021  
 (54) Compositions and methods of use thereof for prevention and treatment of influenza infections  
 (51) Int. Cl.  
 A61K 38/17 (2006.01)  
 A61K 39/12 (2006.01)  
 C12N 15/62 (2006.01)  
 C12N 15/86 (2006.01)  
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 (31) 63/077,454 (32) 11.09.20 (33) US  
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 (72) VINCENT, Amy L.; KEHRLI, Marcus E.; PEREZ, Daniel R.; RAJÃO, Daniela  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) University of Huddersfield  
 (11) AU-A-2021323423  
 (21) 2021323423 (22) 10.08.2021  
 (54) Novel compounds and therapeutic uses thereof  
 (51) Int. Cl.
- A61P 35/00 (2006.01)  
 A61K 31/444 (2006.01)  
 A61K 31/4725 (2006.01)  
 A61K 31/555 (2006.01)  
 C07F 1/08 (2006.01)  
 C07F 3/06 (2006.01)  
 C07F 13/00 (2006.01)  
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 (72) ALLISON, Simon John; PHILLIPS, Roger Mortimer; RICE, Craig Raymond  
 (74) Davies Collison Cave Pty Ltd
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- (71) University of Iowa Research Foundation; Cardio Diagnostics, Inc.  
 (11) AU-A-2021338376  
 (21) 2021338376 (22) 03.09.2021  
 (54) Methods and compositions for predicting and/or monitoring diabetes and treatments therefor  
 (51) Int. Cl.  
 C12Q 1/6883 (2018.01)  
 C12Q 1/6869 (2018.01)  
 C12Q 1/6876 (2018.01)  
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 (72) DOGAN, Meeshanthini V.; PHILIBERT, Robert; DOGAN, Timur K.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021349249  
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 (54) Pyrdo(4,3-b)indole derivatives and their use as pharmaceuticals  
 (51) Int. Cl.  
 A61K 31/138 (2006.01)  
 A61K 31/437 (2006.01)  
 A61K 31/4545 (2006.01)  
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 (31) 63/082,695 (32) 24.09.20 (33) US  
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 (72) FADER, Lee; BURCH, Jason; ST-ONGE, Miguel; DORICH, Stéphane  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Vickers, A.  
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 (54) Immunomodulation formulations and related methods  
 (51) Int. Cl.  
 A23L 2/52 (2006.01)  
 A23L 33/105 (2016.01)  
 A61K 9/00 (2006.01)  
 A61K 9/107 (2006.01)  
 A61K 9/48 (2006.01)  
 A61K 31/045 (2006.01)  
 (87) WO2022/036278  
 (31) 63/065,301 (32) 13.08.20 (33) US  
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 (72) VICKERS, Alexander  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) Virsec Systems, Inc.  
 (11) AU-A-2021331486  
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 (54) Automated application vulnerability and risk assessment  
 (51) Int. Cl.  
 G06F 21/56 (2013.01)  
 (87) WO2022/047245  
 (31) 63/133,173 (32) 31.12.20 (33) US  
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 (43) 03.03.2022  
 (72) GUPTA, Satya V.  
 (74) Spruson & Ferguson
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- (71) Vivo Mobile Communication Co., Ltd.  
 (11) AU-A-2021343368  
 (21) 2021343368 (22) 15.09.2021  
 (54) Method and device for configuring discontinuous reception, terminal, and readable storage medium  
 (51) Int. Cl.  
 H04W 76/28 (2018.01)  
 H04L 1/16 (2006.01)  
 H04L 1/18 (2006.01)  
 (87) WO2022/057819  
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 (72) LIANG, Jing; YANG, Xiaodong; LIU, Jiamin  
 (74) Adams Pluck
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- (71) Wan, X.  
 (11) AU-A-2021326249  
 (21) 2021326249 (22) 11.10.2021  
 (54) Short radius, controllable track drilling tool and composite guiding and drilling tool  
 (51) Int. Cl.  
 E21B 7/06 (2006.01)  
 E21B 7/04 (2006.01)  
 (87) WO2022/033610  
 (31) 202010797032.4 (32) 10.08.20 (33) CN  
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 (43) 17.02.2022  
 (72) XU, Zichen; YANG, Zhonghua; WAN, Xiaoyue; ZHENG, Kai  
 (74) Remarkable IP
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- (71) Yale University  
 (11) AU-A-2021337676  
 (21) 2021337676 (22) 02.09.2021  
 (54) Compositions and methods for inhibiting FGF23 activity  
 (51) Int. Cl.  
 A61K 38/00 (2006.01)  
 A61K 38/16 (2006.01)  
 C07H 21/04 (2006.01)  
 C07K 14/50 (2006.01)  
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- C12N 15/00** ( 2006.01 )  
**(87)** WO2022/051536  
**(31)** 63/074,267 **(32)** 03.09.20 **(33)** US  
**(43)** 10.03.2022  
**(72)** SCHLESSINGER, Joseph; SUZUKI, Yoshihisa; LAX, Irit  
**(74)** Spruson & Ferguson
- 
- (71)** Yara International ASA  
**(11)** AU-A-2021341519  
**(21)** 2021341519 **(22)** 14.09.2021  
**(54)** Dual pressure plant for the production of nitric acid and method for operating same  
**(51)** Int. Cl.  
**C01B 21/26** ( 2006.01 )  
**B01D 53/56** ( 2006.01 )  
**C01B 21/28** ( 2006.01 )  
**C01B 21/40** ( 2006.01 )  
**C25B 1/04** ( 2021.01 )  
**(87)** WO2022/053698  
**(31)** 20195977.2 **(32)** 14.09.20 **(33)** EP  
**(43)** 17.03.2022  
**(72)** VIGELAND, Bent; ØIEN, Halvor; RÖSLER, Ronald; DE SMET, André; FAUCONNIER, Peter  
**(74)** Southern Cross Intellectual Property
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- (71)** Yara International ASA  
**(11)** AU-A-2021350149  
**(21)** 2021350149 **(22)** 24.09.2021  
**(54)** Method for heating a feed of natural gas to a steam reformer and system and use thereof  
**(51)** Int. Cl.  
**C01B 3/02** ( 2006.01 )  
**C01B 3/34** ( 2006.01 )  
**C01B 3/38** ( 2006.01 )  
**C01C 1/04** ( 2006.01 )  
**(87)** WO2022/063949  
**(31)** 202011041823 **(32)** 25.09.20 **(33)** IN  
 20206677.5 10.11.20 EP  
**(43)** 31.03.2022  
**(72)** SINGH, Udaypal  
**(74)** Southern Cross Intellectual Property
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- (71)** Zhejiang CFMOTO Power Co., Ltd.  
**(11)** AU-A-2021449518  
**(21)** 2021449518 **(22)** 29.09.2021  
**(54)** Off-road vehicle  
**(51)** Int. Cl.  
**B60G 11/00** ( 2006.01 )  
**(43)** 13.04.2023  
**(72)** HE, An; RAO, Lihua; WANG, Jianyong; HU, Xiayang  
**(74)** Madderns Pty Ltd
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- (71)** Zinus Inc.  
**(11)** AU-A-2021326844  
**(21)** 2021326844 **(22)** 21.07.2021  
**(54)** Connection member, connection assembly, and sofa  
**(51)** Int. Cl.  
**A47C 17/86** ( 2006.01 )  
**(87)** WO2022/037351  
**(31)** 202021717179.X **(32)** 17.08.20 **(33)** CN
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- (43)** 24.02.2022  
**(72)** LEE, Younjae  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ZTE Corporation  
**(11)** AU-A-2021323311  
**(21)** 2021323311 **(22)** 09.08.2021  
**(54)** Method and apparatus for determining sending power of uplink element, and device and storage medium  
**(51)** Int. Cl.  
**H04B 7/0426** ( 2017.01 )  
**(87)** WO2022/028614  
**(31)** 202010791625.X **(32)** 07.08.20 **(33)** CN  
**(43)** 10.02.2022  
**(72)** ZHANG, Shujuan; LU, Zhaohua; GAO, Bo; JIANG, Chuangxin  
**(74)** WRAYS PTY LTD

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<b>2020257783</b>	Medal, T.; Sela, G.; Synaptive Medical Inc.	<b>2021326906</b>	GUANGZHOU EEC BIOTECH DEVELOPMENT CO., LTD.
<b>2020462039</b>	Universidad Técnica Federico Santa María	<b>2021327315</b>	Controlled Environments Limited
<b>2020464608</b>	ARRIS ENTERPRISES LLC	<b>2021327675</b>	Setiowaty, J.
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<b>2020481645</b>	Halliburton Energy Services, Inc.	<b>2021328375</b>	Cephalon LLC
<b>2021240190</b>	SenseTime International Pte. Ltd.	<b>2021328481</b>	Otonexus Medical Technologies, Inc.
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<b>2021240272</b>	SenseTime International Pte. Ltd.	<b>2021328717</b>	Astellas Pharma, Inc.
<b>2021240278</b>	SenseTime International Pte. Ltd.	<b>2021329159</b>	Lmito Therapeutics Inc.
<b>2021260530</b>	Qingdao Haier Refrigerator Co., Ltd	<b>2021329290</b>	Takeda Pharmaceutical Company Limited
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<b>2021320095</b>	Illinois Tool Works Inc.	<b>2021329410</b>	Ubicquia IQ LLC
<b>2021320236</b>	Gilead Sciences, Inc.	<b>2021329443</b>	Ki Strategies Pty Ltd
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<b>2021323257</b>	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	<b>2021333657</b>	ESCO Group LLC
<b>2021323311</b>	ZTE Corporation	<b>2021333779</b>	Marengo Therapeutics, Inc.
<b>2021323423</b>	University of Huddersfield	<b>2021333793</b>	CZ Biohub SF, LLC; The Board of Trustees of the Le-land Stanford Junior University
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<b>2021323475</b>	Mesoblast International Sarl	<b>2021334059</b>	Heliatek GmbH; Technische Universität Dresden
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<b>2021323851</b>	ShanghaiTech University	<b>2021334790</b>	Nuovo Pignone Technologie - S.r.l.
<b>2021323979</b>	PULL IN PLACE PTY LTD	<b>2021334987</b>	Helmholtz-Zentrum für Infektionsforschung GmbH; Universität des Saarlandes
<b>2021324060</b>	BASF SE	<b>2021335617</b>	The University of Chicago
<b>2021324483</b>	Mesoblast International Sarl	<b>2021336023</b>	Bühler Insect Technology Solutions AG
<b>2021324653</b>	Agilent Technologies, Inc.	<b>2021336445</b>	IL Dong Pharmaceutical Co., Ltd.
<b>2021324665</b>	Horizon Therapeutics USA, Inc.	<b>2021336446</b>	IL Dong Pharmaceutical Co., Ltd.
<b>2021324673</b>	Hsia, H.	<b>2021336496</b>	Huawei Digital Power Technologies Co., Ltd.
<b>2021324686</b>	Prevail Therapeutics, Inc.	<b>2021336542</b>	Arcadia Biosciences, Inc.
<b>2021324767</b>	University of Central Florida Research Foundation, Inc.	<b>2021336597</b>	Huawei Technologies Co., Ltd.
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<b>2021325024</b>	Board of Trustees of Michigan State University	<b>2021337676</b>	Yale University
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<b>2021326249</b>	Wan, X.	<b>2021338917</b>	Baker Hughes Oilfield Operations LLC
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2021339648	Clarapath, Inc.	2021343765	Schnell S.P.A.
2021339749	CareFusion 303, Inc.	2021343834	Bayer Aktiengesellschaft
2021339756	PULMOSIM THERAPEUTICS LLC	2021344230	Prothena Biosciences Limited
2021339792	MEFA Befestigungs- und Montagesysteme GmbH	2021344396	New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery
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2021340623	The Board of Regents of the University of Texas System	2021345451	Othair Prothena Limited
2021340699	Cummins Power Generation Inc.	2021345483	Othair Prothena Limited
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2021340881	Research Development Foundation	2021346253	Chiron AS
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2021340969	Schlumberger Technology B.V.	2021346936	GEROX WORKS, S.L.
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2021341544	GALVANIZE THERAPEUTICS, INC.	2021352402	Edwards Lifesciences Corporation
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2021341643	De La Rue International Limited	2021353004	NOBELL FOODS, INC.
2021341675	United Renewable Energy, LLC	2021353411	Raytheon Company
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2021341818	The Toro Company	2021353782	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited
2021341879	Aurigene Oncology Limited	2021354815	Global Energy Interconnection Research Institute Co., Ltd.; State Grid Corporation of China; State Grid Zhejiang Electric Power Co.,Ltd.
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2021342047	Tesla, Inc.	2021356545	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte. Limited
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2021366287 Kantonsspital St. Gallen  
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2021386882 Acrow Formwork & Scaffolding Pty Ltd  
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2022256171 Nanjing Institute of Agricultural Mechanization, Ministry  
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2022273817 Samsara Eco Pty Limited  
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2021339459	<b><u>A41B 1 /-</u></b>		2020464868	2021341780	
	2021336979	<b><u>A61B 34 /-</u></b>	2021320236	2021342299	<b><u>A61M 25 /-</u></b>
<b><u>A01M 23 /-</u></b>		2020257783	2021321905	2021343290	2021324888
2021342204	<b><u>A41B 3 /-</u></b>	2021341540	2021322285	2021344230	2021327934
	2021336979	2021356545	2021322886		
<b><u>A01M 7 /-</u></b>			2021323423	<b><u>A61K 39 /-</u></b>	<b><u>A61M 29 /-</u></b>
2021339459	<b><u>A41D 1 /-</u></b>	<b><u>A61B 5 /-</u></b>	2021323436	2021275403	2021329811
	2021336979	2021321650	2021323851	2021325081	
<b><u>A01N 1 /-</u></b>		2021323505	2021324665	2021328375	<b><u>A61M 31 /-</u></b>
2021325081	<b><u>A41D 19 /-</u></b>	2021324888	2021324673	2021328717	2021343442
	2021330354	2021327934	2021324998	2021329290	
<b><u>A23C 9 /-</u></b>		2021328481	2021325024	2021333793	<b><u>A61M 39 /-</u></b>
2021376858	<b><u>A47C 1 /-</u></b>	2021338022	2021326546	2021335617	2021340708
	2021334348	2021340881	2021329159	2021339006	2021353426
		2021383555	2021331492	2021339851	
			2021334028	2021339954	
			2021334987	2021340232	
			2021338594	2021340708	
			2021339756	2021341509	
				2021342299	<b><u>A61M 5 /-</u></b>
				2021342342	2021338700
				2021342343	

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2021339749	<b><u>A61P 3 /-</u></b>	<b><u>A62B 7 /-</u></b>		<b><u>B07C 5 /-</u></b>	
2021340719	2021323436	2021329886	<b><u>B01D 69 /-</u></b>	2021325977	<b><u>B61G 3 /-</u></b>
2021376245	2021342519		2022288464		2021368502
<b><u>A61N 1 /-</u></b>	2021376858	<b><u>A62C 11 /-</u></b>		<b><u>B09C 1 /-</u></b>	
2021321420	<b><u>A61P 31 /-</u></b>	2021339459	<b><u>B01J 19 /-</u></b>	2021329443	<b><u>B61G 7 /-</u></b>
2021328481			2021332773	2021430505	2021368502
2021353782	2020464868	<b><u>A62C 13 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B21F 15 /-</u></b>	<b><u>B62D 59 /-</u></b>
2021373578	2021275403	2021339459	2020462039	2021345576	2021344541
<b><u>A61N 5 /-</u></b>	2021320236	<b><u>A62C 19 /-</u></b>	<b><u>B01J 23 /-</u></b>	<b><u>B23K 26 /-</u></b>	<b><u>B63B 13 /-</u></b>
2021324673	2021324673	2021339459	2021332773	2021347825	2021334358
2021324673	2021333793	<b><u>A62C 25 /-</u></b>	<b><u>B01J 35 /-</u></b>	<b><u>B25J 11 /-</u></b>	<b><u>B63B 25 /-</u></b>
2021329913	2021334028	2021339459	2021332773	2021321650	2021374181
2021360119	2021334987	<b><u>A62C 25 /-</u></b>	<b><u>B01J 35 /-</u></b>	<b><u>B41M 3 /-</u></b>	<b><u>B63H 21 /-</u></b>
<b><u>A61P 1 /-</u></b>	<b><u>A61P 35 /-</u></b>	2021339459	2021332773	2021339051	2021334358
2021336445	2020464868	<b><u>A63B 21 /-</u></b>	2022288464	2021339052	<b><u>B65B 13 /-</u></b>
2021336446	2021321905	2021327848	<b><u>B01L 3 /-</u></b>	2021341643	2021343765
2021342519	2021323423	<b><u>A63B 24 /-</u></b>	2021362691	<b><u>B42D 25 /-</u></b>	<b><u>B65B 27 /-</u></b>
2021376858	2021323512	2021328481	<b><u>B02C 17 /-</u></b>	2021339051	2021343765
<b><u>A61P 11 /-</u></b>	2021323851	<b><u>A63F 1 /-</u></b>	2021345366	2021341643	<b><u>B65D 81 /-</u></b>
2021328375	2021324483	2021240272	<b><u>B02C 23 /-</u></b>	2021339052	2021338984
2021333793	2021324673	2021342622	2021345366	2021341643	<b><u>B65D 21 /-</u></b>
2021343834	2021326005	2021343732	<b><u>B03D 1 /-</u></b>	<b><u>B44D 3 /-</u></b>	<b><u>B65G 1 /-</u></b>
<b><u>A61P 15 /-</u></b>	2021326516	2021369434	2021324060	2021362806	2021325977
2021342287	2021326906	<b><u>A63F 13 /-</u></b>	<b><u>B05B 1 /-</u></b>	<b><u>B60B 33 /-</u></b>	<b><u>B65G 23 /-</u></b>
<b><u>A61P 17 /-</u></b>	2021329290	2021240190	2021339459	2021334349	2021345031
2021328375	2021338594	<b><u>A63F 5 /-</u></b>	2021339459	<b><u>B60D 1 /-</u></b>	<b><u>B65G 37 /-</u></b>
<b><u>A61P 19 /-</u></b>	2021339006	2021327675	2021351595	2021344541	2021351595
2021328375	2021339954	<b><u>A63F 9 /-</u></b>	<b><u>B05B 12 /-</u></b>	<b><u>B60G 11 /-</u></b>	<b><u>B66C 23 /-</u></b>
<b><u>A61P 19 /-</u></b>	2021340232	2021327675	2021339459	2021449518	2021328081
2021324665	2021340708	<b><u>A63H 19 /-</u></b>	<b><u>B05B 13 /-</u></b>	<b><u>B60K 1 /-</u></b>	<b><u>B66F 11 /-</u></b>
<b><u>A61P 21 /-</u></b>	2021341258	2021364698	2021351595	2022299969	2021339024
2021326232	2021341509	<b><u>A63H 3 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B60K 6 /-</u></b>	<b><u>B67D 1 /-</u></b>
2021342155	2021341879	2021364698	2021339459	2021344442	2021370729
2021342331	2021342287	<b><u>A63J 21 /-</u></b>	<b><u>B05D 1 /-</u></b>	<b><u>B60L 50 /-</u></b>	<b><u>B82Y 40 /-</u></b>
2021370938	2021342342	2021327675	2021383555	2021344541	2021356235
<b><u>A61P 25 /-</u></b>	2021342343	<b><u>A63J 9 /-</u></b>	<b><u>B05D 5 /-</u></b>	<b><u>B60L 53 /-</u></b>	<b><u>B82Y 5 /-</u></b>
2021322886	2021342519	2021327675	2021336023	2021338961	2021340876
2021325024	2021323851	<b><u>A63H 19 /-</u></b>	<b><u>B07B 1 /-</u></b>	<b><u>B60L 58 /-</u></b>	<b><u>C01B 21 /-</u></b>
2021326232	2021343290	2021364698	2021336023	2021338961	2021341519
2021326546	2021345451	<b><u>A61P 5 /-</u></b>	<b><u>B07B 4 /-</u></b>	<b><u>B60T 7 /-</u></b>	<b><u>C01B 3 /-</u></b>
2021339479	<b><u>A61P 7 /-</u></b>	2021342519	2021336023	2021344541	2021350149
2021339851	2021343834	2021364698	<b><u>B07C 3 /-</u></b>	<b><u>B60T 8 /-</u></b>	
2021343668	<b><u>A61P 9 /-</u></b>	<b><u>B01D 1 /-</u></b>	2021325977		
2021344230	2021343834	<b><u>B01D 3 /-</u></b>			
2021345451	2021343834	<b><u>B01D 5 /-</u></b>			
2021345483	2021343834	<b><u>B01D 53 /-</u></b>			
2021353532	2021366287	2021341519			
2021363627	<b><u>A62B 23 /-</u></b>	2021359761			
2021459955	2021329886	2022288464			
<b><u>A61P 27 /-</u></b>					
2021358736					
<b><u>A61P 29 /-</u></b>					
2021329159					

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<b><u>C01C 1 /-</u></b>	<b><u>C07C 29 /-</u></b>	<b><u>C07D 403 /-</u></b>	2021337676	<b><u>C10L 5 /-</u></b>	2021336880
2021350149	2021332773	2021331492	2021339058	2021344896	2021337736
	2022288464	2021341258	2021344230		2021338376
<b><u>C02F 1 /-</u></b>	<b><u>C07C 31 /-</u></b>	<b><u>C07D 405 /-</u></b>	2021345483	<b><u>C12F 3 /-</u></b>	2021339058
2020462039	2021332773	2021323851	2021353004	2021342341	2021341635
2021326374	2022288464		<b><u>C07K 16 /-</u></b>		2021360263
2021334358		<b><u>C07D 413 /-</u></b>	2021275403	<b><u>C12G 3 /-</u></b>	<b><u>C12R 1 /-</u></b>
2021338698	<b><u>C07C 323 /-</u></b>	2021358736	2021323512	2021337097	2021336445
<b><u>C02F 101 /-</u></b>	2021334987		2021325081		2021336446
2021338698	<b><u>C07D 205 /-</u></b>	<b><u>C07D 417 /-</u></b>	2021328375	<b><u>C12M 1 /-</u></b>	2021430505
	2021331492	2021329290	2021328717	2021321420	<b><u>C22C 1 /-</u></b>
<b><u>C02F 103 /-</u></b>	2021329301	2021333779	2021329290	2021332134	2021354815
2021334358	2021343668	2021337676	202133779	2021362691	
	<b><u>C07D 207 /-</u></b>	2021339006	2021339851	<b><u>C12M 3 /-</u></b>	<b><u>C22C 27 /-</u></b>
<b><u>C02F 3 /-</u></b>	2021343668	2021325024	2021339954	2021362691	2021354815
2020462039		2021329159	2021340232		<b><u>C22F 1 /-</u></b>
	<b><u>C07D 209 /-</u></b>	2021341510	2021340708	<b><u>C12N 1 /-</u></b>	2021354815
<b><u>C04B 18 /-</u></b>	2021322285	2021341879	2021341509	2021336445	
2021329443	<b><u>C07D 211 /-</u></b>	2021342519	2021342342	2021336446	<b><u>C25B 1 /-</u></b>
	2021343668	2021350089	2021342343	2021430505	2021341519
<b><u>C04B 28 /-</u></b>		<b><u>C07D 487 /-</u></b>	2021343290	<b><u>C12N 15 /-</u></b>	<b><u>C25B 11 /-</u></b>
2021329443	<b><u>C07D 213 /-</u></b>	2021321905	2021343834	2021324686	2021338698
	2021334987	2021326546	2021344972	2021324776	
<b><u>C05D 9 /-</u></b>		2021326906	2021359495	2021325901	<b><u>D03D 1 /-</u></b>
2021325918	<b><u>C07D 231 /-</u></b>	2021341879	2021366287	2021329295	2021343430
	2021334987	2021373162	<b><u>C07K 5 /-</u></b>	2021336542	
<b><u>C05G 1 /-</u></b>		2021393722	2021326005	2021337676	<b><u>D03D 13 /-</u></b>
2021325918	<b><u>C07D 235 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C07K 7 /-</u></b>	2021339058	2021343430
	2021329159	2021353532	2021326005	2021340876	
<b><u>C05G 3 /-</u></b>	2021342132		2021344230	2021340972	<b><u>D03D 15 /-</u></b>
2021341510	<b><u>C07D 241 /-</u></b>	<b><u>C07F 1 /-</u></b>	2021366975	2021342155	2021343430
	2021334987	2021323423	<b><u>C08B 37 /-</u></b>	2021342299	
<b><u>C05G 5 /-</u></b>		<b><u>C07F 13 /-</u></b>	2021341956	2021345483	<b><u>D06F 75 /-</u></b>
2021325918	<b><u>C07D 245 /-</u></b>	2021323423	<b><u>C08J 11 /-</u></b>	2021346113	2021343430
	2021343668	<b><u>C07F 3 /-</u></b>	2022273817	<b><u>C12N 5 /-</u></b>	<b><u>D06F 75 /-</u></b>
<b><u>C07B 59 /-</u></b>		2021323423		2021323475	2021341806
2021346253	<b><u>C07D 265 /-</u></b>	<b><u>C07F 5 /-</u></b>	<b><u>C08K 3 /-</u></b>	2021323512	
	2021343668	2021342132	2021320095	2021324483	<b><u>D21F 5 /-</u></b>
<b><u>C07B 61 /-</u></b>	<b><u>C07D 277 /-</u></b>		<b><u>C08L 1 /-</u></b>	2021324767	2021331345
2021332773	2021334987	<b><u>C07F 9 /-</u></b>	2020462039	2021325081	<b><u>D21H 19 /-</u></b>
	<b><u>C07D 295 /-</u></b>	2021320236	<b><u>C08L 5 /-</u></b>	2021337676	2021331345
<b><u>C07C 1 /-</u></b>	2021343668	2021334987	2020462039	2021339479	
2022288464		2021346253	2021341956	2021344972	<b><u>D21H 27 /-</u></b>
<b><u>C07C 11 /-</u></b>	<b><u>C07D 333 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08L 53 /-</u></b>	<b><u>C12N 7 /-</u></b>	2021331345
2022288464	2021334987	2021337676	2021335617	2021320395	
<b><u>C07C 229 /-</u></b>	<b><u>C07D 401 /-</u></b>		<b><u>C09G 1 /-</u></b>	2021333793	<b><u>E01B 27 /-</u></b>
2021342286	2021322285	<b><u>C07K 1 /-</u></b>	2021320095	<b><u>C12N 9 /-</u></b>	2021339456
	2021323851	2021321395	<b><u>C10G 3 /-</u></b>	2021321395	<b><u>E02B 3 /-</u></b>
<b><u>C07C 235 /-</u></b>	2021329301	2021356235		2021324776	2021323052
2021342132	2021331492	<b><u>C07K 14 /-</u></b>	2021340515	2021329295	
	2021341879	2021324767		2021353004	<b><u>E02D 17 /-</u></b>
<b><u>C07C 255 /-</u></b>	2021342287	2021326232		2022273817	2021386882
2021342132	2021342519	2021328717		<b><u>C12Q 1 /-</u></b>	<b><u>E02F 3 /-</u></b>
				2021324778	2021341818
				2021325901	
				2021325905	
				2021328501	

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2021361368	<b><u>E21B 23 /-</u></b>		<b><u>G01N 21 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G08B 21 /-</u></b>
<b><u>E02F 9 /-</u></b>	2021340967	<b><u>F23D 14 /-</u></b>			
		2021341351	2021339648	2021338022	2021338322
2021333657	<b><u>E21B 33 /-</u></b>		<b><u>G01N 23 /-</u></b>	2021340188	
2021361368		<b><u>F23L 7 /-</u></b>		<b><u>G06F 40 /-</u></b>	<b><u>G16B 30 /-</u></b>
2021402722	2020481645		2021360119		2021324778
		2021341351		2021397718	
<b><u>E04B 9 /-</u></b>	<b><u>E21B 34 /-</u></b>	<b><u>F23N 1 /-</u></b>	<b><u>G01N 24 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G16B 40 /-</u></b>
			2021346253		2021324778
2021362806	2020481645	2021341351		2020468291	
	2021340967		<b><u>G01N 27 /-</u></b>	2021342341	<b><u>G16H 10 /-</u></b>
<b><u>E04C 3 /-</u></b>	<b><u>E21B 4 /-</u></b>	<b><u>F25B 1 /-</u></b>			
			2021325484	<b><u>G06N 3 /-</u></b>	2021397718
2021386882	2021338748	2021327315	2021383555		
<b><u>E04C 5 /-</u></b>	2021352827	<b><u>F25B 41 /-</u></b>	<b><u>G01N 33 /-</u></b>	2021240190	<b><u>G16H 15 /-</u></b>
				2021240212	
2021343765	<b><u>E21B 43 /-</u></b>	2021327315	2021325340	2021240228	2021397718
			2021343834	2021240272	
<b><u>E04F 10 /-</u></b>	2020481645	<b><u>F25D 11 /-</u></b>	2021344972	2021240278	<b><u>G16H 50 /-</u></b>
	2021340967		2021346253	2021338022	
2021362806	2021340969	2021260530	2021362691	<b><u>G06Q 10 /-</u></b>	2021324778
<b><u>E04F 13 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F25D 17 /-</u></b>			2021338022
			<b><u>G01N 37 /-</u></b>	2021343437	2021397718
2021366181	2021340969	2021260530		2021345368	<b><u>G21B 1 /-</u></b>
<b><u>E04G 17 /-</u></b>	<b><u>E21B 7 /-</u></b>		2021362691	2021397718	
		<b><u>F25D 21 /-</u></b>	<b><u>G01P 5 /-</u></b>	<b><u>G06Q 20 /-</u></b>	2021336896
2021386882	2021326249	2021260530			
<b><u>E04G 21 /-</u></b>	<b><u>E21D 15 /-</u></b>	<b><u>F25D 23 /-</u></b>	2021334358	2021323524	<b><u>G21K 1 /-</u></b>
			<b><u>G01S 15 /-</u></b>	<b><u>G06Q 30 /-</u></b>	2021360119
2021343765	2021386882	2021260530		2020464608	<b><u>H01G 11 /-</u></b>
2021345576			2021334358		
2021386882	<b><u>F02C 9 /-</u></b>	<b><u>G01B 11 /-</u></b>	<b><u>G01S 5 /-</u></b>	<b><u>G06Q 40 /-</u></b>	2021358713
<b><u>E04G 25 /-</u></b>	2021334790	2021350657	2021340881		<b><u>H01H 39 /-</u></b>
				2021374819	
2021386882	<b><u>F02K 7 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G02B 27 /-</u></b>	2021427873	2021338990
<b><u>E04H 17 /-</u></b>	2020467223	2021350657		<b><u>G06T 11 /-</u></b>	<b><u>H01H 71 /-</u></b>
			2021360119		
2021339547	<b><u>F16B 5 /-</u></b>	<b><u>G01F 1 /-</u></b>	<b><u>G02B 6 /-</u></b>	2020257783	2021342047
<b><u>E05B 19 /-</u></b>	2021339792	2021334358		<b><u>G06T 5 /-</u></b>	<b><u>H01H 83 /-</u></b>
			2021340881		
2021328231	<b><u>F16B 7 /-</u></b>	<b><u>G01F 13 /-</u></b>	<b><u>G02C 7 /-</u></b>	2021311622	2021342047
2021328688		2021342341		<b><u>G06T 7 /-</u></b>	<b><u>H01L 31 /-</u></b>
<b><u>E05B 35 /-</u></b>	<b><u>F16F 13 /-</u></b>	<b><u>G01F 22 /-</u></b>	2021341457		
				2021240228	2021347825
2021328231	2021430345	2021342341	<b><u>G05B 19 /-</u></b>	2021240278	
2021328688				2021311622	<b><u>H01L 33 /-</u></b>
<b><u>E05D 11 /-</u></b>	<b><u>F16F 7 /-</u></b>	<b><u>G01F 23 /-</u></b>	2021333657	2021329410	2021340423
			2021338322	2021337678	
2021362148	2021430345	2021324653	<b><u>G05D 1 /-</u></b>	<b><u>G06V 10 /-</u></b>	<b><u>H01M 10 /-</u></b>
<b><u>E05D 7 /-</u></b>	<b><u>F16H 3 /-</u></b>	2021338322			
			2021402722	2021240278	2021358713
2021362148	2021334790	<b><u>G01L 7 /-</u></b>	<b><u>G05D 11 /-</u></b>	2021337678	<b><u>H01M 14 /-</u></b>
<b><u>E05F 1 /-</u></b>	<b><u>F16L 11 /-</u></b>	2021324653		<b><u>G06V 40 /-</u></b>	2021325484
			2021342341		
2021362148	2021360279	<b><u>G01N 1 /-</u></b>	<b><u>G06F 1 /-</u></b>	2021240278	<b><u>H01Q 21 /-</u></b>
<b><u>E06B 3 /-</u></b>	<b><u>F16L 55 /-</u></b>	2021324653		<b><u>G07C 9 /-</u></b>	2021339590
		2021339648	2022208806		
2021344729	2021323979	<b><u>G01N 15 /-</u></b>	<b><u>G06F 21 /-</u></b>	2021398447	<b><u>H01Q 9 /-</u></b>
	2021344773				
<b><u>E21B 17 /-</u></b>	<b><u>F17C 13 /-</u></b>	2021356235	2021323524	<b><u>G07F 17 /-</u></b>	2021339590
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**H04W 4 /-**

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*A61L 27/56* ( 2006.01 )  
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*F23G 7/10* ( 2006.01 )  
*F23H 13/02* ( 2006.01 )  
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 A61P 17/00 ( 2006.01 )  
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 A61Q 19/08 ( 2006.01 )  
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**G06F 15/16** ( 2006.01 )  
**H04L 67/55** ( 2022.01 )  
**H04N 21/47** ( 2011.01 )  
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**G06F 11/07** ( 2006.01 )  
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**G08B 1/00** ( 2006.01 )  
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 (54) Insufflation stabilization system  
 (51) Int. Cl.  
**A61M 13/00** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
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**(74)** Griffith Hack

**(71)** AptaBio Therapeutics Inc.  
**(11)** AU-B-2022224918  
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**(54)** Novel pyrazole derivatives  
**(51)** Int. Cl.  
*C07D 401/04* (2006.01)  
*A61K 31/4439* (2006.01)  
*A61K 31/444* (2006.01)  
*A61K 31/496* (2006.01)  
*A61K 31/5377* (2006.01)  
*A61P 9/10* (2006.01)  
*A61P 25/28* (2006.01)  
*A61P 27/02* (2006.01)  
*A61P 29/00* (2006.01)  
*A61P 35/00* (2006.01)  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Ariana Holdings Pty Ltd  
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**(21)** 2018213405 **(22)** 25.01.2018  
**(54)** Chemical applicator for plant material  
**(51)** Int. Cl.  
*A01M 21/04* (2006.01)  
*A01G 7/06* (2006.01)  
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**(31)** 2017900242 **(32)** 27.01.17 **(33)** AU  
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**(74)** Summit IP

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**(54)** Injectable suspensions  
**(51)** Int. Cl.  
*A61K 9/10* (2006.01)  
*A61K 9/16* (2006.01)  
*A61K 31/57* (2006.01)  
*A61K 47/14* (2017.01)  
*A61K 47/28* (2006.01)  
*B01D 9/00* (2006.01)  
*C07J 7/00* (2006.01)  
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**(31)** 1750008-3 **(32)** 09.01.17 **(33)** SE  
**(43)** 12.07.2018  
**(44)** 13.04.2023  
**(72)** Brisander, Magnus; Horvath, Karol; Norrlind, Björn  
**(74)** Spruson & Ferguson

**(71)** AskAt Inc.  
**(11)** AU-B-2021380315  
**(21)** 2021380315 **(22)** 11.11.2021

**(54)** Stable salt and crystal forms of 2-(3-((1-(2-(dimethylamino)ethyl)-2-(2,2-dimethylpropyl)-1H-1,3-benzodiazol-5-yl)sulfonyl)azetid-1-yl)ethan-1-ol  
**(51)** Int. Cl.  
*C07D 403/12* (2006.01)  
*A61K 31/4184* (2006.01)  
*A61P 1/02* (2006.01)  
*A61P 1/04* (2006.01)  
*A61P 1/08* (2006.01)  
*A61P 1/10* (2006.01)  
*A61P 1/12* (2006.01)  
*A61P 1/16* (2006.01)  
*A61P 3/10* (2006.01)  
*A61P 9/00* (2006.01)  
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*A61P 11/00* (2006.01)  
*A61P 11/02* (2006.01)  
*A61P 11/06* (2006.01)  
*A61P 13/12* (2006.01)  
*A61P 17/00* (2006.01)  
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*A61P 25/04* (2006.01)  
*A61P 25/08* (2006.01)  
*A61P 27/06* (2006.01)  
*A61P 29/00* (2006.01)  
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*A61P 37/08* (2006.01)  
*A61P 43/00* (2006.01)  
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**(74)** Griffith Hack

**(71)** Avery Dennison Corporation  
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**(54)** Polyurethane synthesis  
**(51)** Int. Cl.  
*C08G 18/08* (2006.01)  
*B32B 27/00* (2006.01)  
*C08G 18/10* (2006.01)  
*C08G 18/44* (2006.01)  
*C08G 18/72* (2006.01)  
*C08G 18/75* (2006.01)  
*C08G 18/83* (2006.01)  
*C08J 5/18* (2006.01)  
*C09J 7/00* (2018.01)  
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**(74)** Griffith Hack

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**(21)** 2021240110 **(22)** 27.09.2021  
**(54)** Slip arrangement  
**(51)** Int. Cl.  
*E21B 23/06* (2006.01)  
**(43)** 28.10.2021  
**(44)** 13.04.2023  
**(62)** 2019262739  
**(72)** Anderson, Gary; Doane, James  
**(74)** FPA Patent Attorneys Pty Ltd

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**(21)** 2017235482 **(22)** 16.03.2017  
**(54)** Plants comprising wheat G-type cytoplasmic male sterility restorer genes, molecular markers and uses thereof  
**(51)** Int. Cl.  
*A01H 1/04* (2006.01)  
*A01H 1/02* (2006.01)  
*C07K 14/415* (2006.01)  
*C12N 15/82* (2006.01)  
*C12Q 1/68* (2006.01)  
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**(72)** Rohde, Antje; Jacobs, John  
**(74)** Davies Collison Cave Pty Ltd

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**(21)** 2017235483 **(22)** 16.03.2017  
**(54)** Plants comprising wheat G-type cytoplasmic male sterility restorer genes, molecular markers and uses thereof  
**(51)** Int. Cl.  
*A01H 1/04* (2006.01)  
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*C07K 14/415* (2006.01)  
*C12N 15/82* (2006.01)

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**(54)** Methods for preparing carbon materials  
**(51)** Int. Cl.  
**C08G 8/20** ( 2006.01 )  
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**(54)** Sealing die with chamfered edge  
**(51)** Int. Cl.  
**B29C 65/04** ( 2006.01 )  
**B29C 65/02** ( 2006.01 )  
**B29C 65/18** ( 2006.01 )  
**B29K 23/00** ( 2006.01 )  
**B29K 27/06** ( 2006.01 )  
**B29K 67/00** ( 2006.01 )  
**B29K 75/00** ( 2006.01 )  
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**(43)** 26.04.2018  
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**(51)** Int. Cl.  
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**A61K 31/4709** ( 2006.01 )  
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**(31)** 17155885.1 **(32)** 13.02.17 **(33)** EP  
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**(54)** Compositions and methods for treating hemoglobinopathies  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
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**C12N 15/10** ( 2006.01 )  
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**(74)** Southern Cross Intellectual Property Limited

**(71)** Becton, Dickinson and Company  
**(11)** AU-B-2017331459  
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**(54)** Measurement of protein expression using reagents with barcoded oligonucleotide sequences  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**C12Q 1/68** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
**G16C 10/00** ( 2019.01 )  
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**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Securement dressing for vascular access device with skin adhesive application window

**(51)** Int. Cl.  
**A61M 25/02** ( 2006.01 )  
**A61F 13/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

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**(54)** Closed system stress resistant membrane  
**(51)** Int. Cl.  
**A61J 1/14** ( 2006.01 )  
**A61M 5/162** ( 2006.01 )  
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**(54)** Fluid dispenser  
**(51)** Int. Cl.  
**B67D 1/04** ( 2006.01 )  
**B67D 1/06** ( 2006.01 )  
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**(21)** 2022200187 **(22)** 13.01.2022  
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**(51)** Int. Cl.  
**G06N 10/70** ( 2022.01 )  
**G06N 10/00** ( 2022.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**H02J 13/00** ( 2006.01 )  
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(51) Int. Cl.  
A61N 5/06 ( 2006.01 )  
A61B 18/00 ( 2006.01 )  
A61B 18/20 ( 2006.01 )  
A61F 9/008 ( 2006.01 )  
A61F 9/009 ( 2006.01 )  
A61N 5/067 ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd
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G06T 7/00 ( 2017.01 )  
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B32B 5/02 ( 2006.01 )  
A61F 13/15 ( 2006.01 )  
B32B 27/08 ( 2006.01 )  
B32B 27/12 ( 2006.01 )  
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B32B 27/34 ( 2006.01 )  
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C22B 1/244 ( 2006.01 )
- C21C 5/52 ( 2006.01 )  
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A61F 2/30 ( 2006.01 )  
A61B 17/16 ( 2006.01 )  
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G01S 7/481 ( 2006.01 )  
G01S 17/00 ( 2020.01 )  
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C12N 1/14 ( 2006.01 )  
C12N 1/02 ( 2006.01 )  
C12P 13/04 ( 2006.01 )  
C12R 1/645 ( 2006.01 )  
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B01D 65/02 ( 2006.01 )  
C02F 1/44 ( 2006.01 )  
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C09K 8/035 ( 2006.01 )  
C09K 8/528 ( 2006.01 )  
E21B 21/06 ( 2006.01 )  
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C08J 9/00 ( 2006.01 )  
C08J 9/16 ( 2006.01 )  
C08K 5/092 ( 2006.01 )  
C08K 5/098 ( 2006.01 )  
C08K 5/11 ( 2006.01 )  
C08K 7/22 ( 2006.01 )  
H01B 3/44 ( 2006.01 )  
H01B 13/14 ( 2006.01 )  
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(74) FB Rice Pty Ltd
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(51) Int. Cl.  
A61N 1/05 ( 2006.01 )  
A61N 1/36 ( 2006.01 )  
A61N 1/372 ( 2006.01 )  
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(31) 62/803,330 (32) 08.02.19 (33) US  
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 DOAN, Que T.; MOFFITT, Michael A.;  
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(71) Boston Scientific Neuromodulation Corporation  
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 (51) Int. Cl.  
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**A61B 5/00** ( 2006.01 )  
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 (21) 2022204581

(71) BP Corporation North America Inc.  
 (11) AU-B-2022235557  
 (21) 2022235557 (22) 21.09.2022  
 (54) Systems and methods for mitigating an uncontrolled fluid flow from a target wellbore using a relief wellbore  
 (51) Int. Cl.  
**E21B 41/00** ( 2006.01 )  
**E21B 7/18** ( 2006.01 )  
 (43) 13.10.2022  
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 (54) Contact element  
 (51) Int. Cl.  
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 (21) 2020326927

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**C07D 491/113** ( 2006.01 )  
**C07D 491/20** ( 2006.01 )  
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**G06Q 50/10** ( 2012.01 )  
**A63F 13/70** ( 2014.01 )  
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**A01K 67/027** ( 2006.01 )  
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**H04L 12/28** ( 2006.01 )  
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**(54)** Vortex pump  
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**F04D 29/42** ( 2006.01 )  
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**(51)** Int. Cl.

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**(54)** Electrical machine and method for manufacturing same  
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**H02K 5/20** ( 2006.01 )  
**H02K 9/19** ( 2006.01 )  
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**A61K 31/727** ( 2006.01 )  
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**(54)** Utility meter for use with distributed generation device  
**(51)** Int. Cl.  
**G01D 4/00** ( 2006.01 )  
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**(54)** Motor driving apparatus  
**(51)** Int. Cl.  
**H02P 6/18** ( 2016.01 )  
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**(71)** LG Electronics Inc.  
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**(54)** Clothing registration device and clothing recommendation device, and online system comprising same  
**(51)** Int. Cl.  
**D06F 58/26** ( 2006.01 )  
**D06F 58/10** ( 2006.01 )  
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**(54)** Refrigerator  
**(51)** Int. Cl.  
**F25D 11/00** ( 2006.01 )  
**F25C 1/18** ( 2006.01 )  
**F25C 1/24** ( 2018.01 )  
**F25C 5/08** ( 2006.01 )  
**F25D 25/02** ( 2006.01 )  
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**(54)** Laundry processing device and control method therefor  
**(51)** Int. Cl.  
**D06F 37/20** ( 2006.01 )  
**D06F 33/30** ( 2020.01 )  
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**D06F 37/30** ( 2020.01 )  
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**(71)** LG Electronics Inc.  
**(11)** AU-B-2020316202  
**(21)** 2020316202 **(22)** 18.06.2020  
**(54)** Vacuum cleaner control method  
**(51)** Int. Cl.  
**A47L 9/28** ( 2006.01 )  
**A47L 9/04** ( 2006.01 )  
**A47L 9/06** ( 2006.01 )  
**A47L 9/24** ( 2006.01 )  
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**(74)** Dentons Patent Attorneys Australasia Limited

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**(11)** AU-B-2021204171  
**(21)** 2021204171 **(22)** 21.06.2021  
**(54)** DOOR OPENING DEVICE AND REFRIGERATOR INCLUDING SAME  
**(51)** Int. Cl.  
**E05F 13/02** ( 2006.01 )  
**E05B 1/00** ( 2006.01 )  
**E05F 7/08** ( 2006.01 )  
**E05F 11/10** ( 2006.01 )  
**E05F 11/54** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
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**(72)** SON, Young Hun  
**(74)** Dentons Patent Attorneys Australasia Limited

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**(54)** Image decoding method and device in accordance with block split structure in image coding system  
**(51)** Int. Cl.  
**H04N 19/119** ( 2014.01 )  
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**H04N 19/176** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** LG ELECTRONICS INC.  
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**(54)** Moving robot  
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**G01S 15/931** ( 2020.01 )  
**A47L 9/00** ( 2006.01 )  
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*C12Q 1/6806* ( 2018.01 )  
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**(74)** MINTER ELLISON

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**(51)** Int. Cl.  
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**(54)** Multivalent PD-L1 binding compounds for treating cancer  
**(51)** Int. Cl.  
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**C07K 14/005** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**B29C 65/02** ( 2006.01 )  
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**F16L 47/02** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61M 5/42** ( 2006.01 )  
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**(54)** Dorsal spinal column characterization system using evoked potentials  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Merck Sharp & Dohme LLC  
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**(21)** 2020300400 **(22)** 02.06.2020  
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**(51)** Int. Cl.  
**C07D 261/04** ( 2006.01 )  
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**C07D 413/04** ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys

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**A61K 35/12** ( 2006.01 )  
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**A61K 35/28** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )  
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**A61P 1/16** ( 2006.01 )  
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**C07D 213/26** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
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     G06T 3/40 ( 2006.01 )  
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 (51) Int. Cl.  
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 (11) AU-B-2022200751  
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 (54) Centrifugal blower, blowing device, air conditioner, and refrigeration cycle device  
 (51) Int. Cl.  
     F04D 29/44 ( 2006.01 )  
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 (74) Griffith Hack

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     B07B 7/083 ( 2006.01 )  
     C04B 18/08 ( 2006.01 )  
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 (54) Method for determining whether organism having cell wall exists and method for identifying organism having cell wall  
 (51) Int. Cl.  
     C12N 15/11 ( 2006.01 )  
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**B07C 5/36** ( 2006.01 )  
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**A01N 37/18** ( 2006.01 )  
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**C12N 15/113** ( 2010.01 )  
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**A24D 3/02** ( 2006.01 )  
**A24F 40/57** ( 2020.01 )  
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**A24F 40/20** ( 2020.01 )  
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**(54)** Induction coil arrangement  
**(51)** Int. Cl.  
**H05B 6/10** ( 2006.01 )  
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 B01D 17/04 (2006.01)  
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 A61K 45/06 (2006.01)  
 A61P 17/00 (2006.01)  
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 G01K 11/26 (2006.01)  
 G01K 13/08 (2006.01)  
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 G02C 7/02 (2006.01)  
 G02C 1/02 (2006.01)  
 G02C 1/04 (2006.01)  
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 B07C 5/34 (2006.01)  
 B08B 13/00 (2006.01)  
 B65G 1/04 (2006.01)  
 B65G 1/137 (2006.01)  
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*C03B 5/16* ( 2006.01 )  
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*F27D 17/00* ( 2006.01 )  
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*A23K 50/30* ( 2016.01 )  
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**C12C 11/11** ( 2019.01 )  
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**A61P 1/16** ( 2006.01 )  
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**A47J 31/44** ( 2006.01 )  
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**G06T 17/10** ( 2006.01 )  
**G06N 3/04** ( 2006.01 )  
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**C08G 2/24** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
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**A61P 31/04** ( 2006.01 )  
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*C08G 63/66* ( 2006.01 )  
*C09D 163/00* ( 2006.01 )  
*C09D 167/00* ( 2006.01 )  
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 (51) Int. Cl.  
*G16H 20/00* ( 2018.01 )  
*A61B 34/00* ( 2016.01 )  
*G06F 3/01* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G16H 10/60* ( 2018.01 )  
*G16H 20/30* ( 2018.01 )  
*G16H 20/40* ( 2018.01 )  
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 (51) Int. Cl.  
*A61K 31/192* ( 2006.01 )  
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 (51) Int. Cl.  
*A61G 1/01* ( 2006.01 )  
*A61G 7/00* ( 2006.01 )  
*A61G 7/057* ( 2006.01 )  
*A61G 7/10* ( 2006.01 )  
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 (51) Int. Cl.  
*C07J 5/00* ( 2006.01 )  
*A61K 31/57* ( 2006.01 )  
*A61K 31/573* ( 2006.01 )  
*A61K 31/58* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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*A61M 1/00* ( 2006.01 )  
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 (51) Int. Cl.  
*G06Q 10/08* ( 2012.01 )  
*H04W 4/00* ( 2018.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.  
*C08L 25/08* ( 2006.01 )  
*C09J 123/20* ( 2006.01 )  
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 (51) Int. Cl.  
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*A21D 13/45* ( 2017.01 )  
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 (74) Davies Collison Cave Pty Ltd

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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*A23L 13/00* ( 2016.01 )  
*C12M 1/00* ( 2006.01 )  
*C12M 1/26* ( 2006.01 )  
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 (72) LEUNG, Matthew; CARSWELL, Kathleen; WARNER, Michelle; VANDER-

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**(11)** AU-B-2020308011  
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**(54)** Utility grid control using a dynamic power flow model  
**(51)** Int. Cl.  
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*G05B 15/02* ( 2006.01 )  
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**(74)** WRAYS PTY LTD

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**(54)** Vaccine compositions for treatment of Zika virus  
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*A61K 9/51* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
*C07K 14/15* ( 2006.01 )  
*C07K 14/18* ( 2006.01 )  
*C12N 7/01* ( 2006.01 )  
*C12N 7/04* ( 2006.01 )  
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**(74)** Griffith Hack

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**(21)** 2021202221 **(22)** 13.04.2021  
**(54)** MICROPROJECTION ARRAY APPLICATOR AND METHOD  
**(51)** Int. Cl.  
*A61M 37/00* ( 2006.01 )  
*A61B 17/20* ( 2006.01 )  
*A61M 5/00* ( 2006.01 )  
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**(72)** Junger, Michael Carl; Lemaire, Pierre Amand Vincent  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Vecor IP Holdings Limited  
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**(21)** 2021325373 **(22)** 13.08.2021

**(54)** Process for preparing whitened fly ash  
**(51)** Int. Cl.  
*B07B 1/00* ( 2006.01 )  
*B03B 9/04* ( 2006.01 )  
*B03C 1/32* ( 2006.01 )  
*B07B 15/00* ( 2006.01 )  
*C04B 14/00* ( 2006.01 )  
*C04B 18/08* ( 2006.01 )  
*C08K 3/013* ( 2018.01 )  
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**(31)** 20191116.1 **(32)** 14.08.20 **(33)** EP  
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**(11)** AU-B-2022200862  
**(21)** 2022200862 **(22)** 10.02.2022  
**(54)** SYSTEMS AND METHODS FOR PHLEBOTOMY THROUGH A PERIPHERAL IV CATHETER  
**(51)** Int. Cl.  
*A61B 5/153* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
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**(11)** AU-B-2020231174  
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**(54)** Rotary disc filter having backwash guides  
**(51)** Int. Cl.  
*B01D 33/23* ( 2006.01 )  
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**(11)** AU-B-2021232813  
**(21)** 2021232813 **(22)** 17.09.2021  
**(54)** Methods, compositions and kits for increasing genome editing efficiency  
**(51)** Int. Cl.  
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**(74)** Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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**(54)** Materials management systems and methods  
**(51)** Int. Cl.  
*B66C 13/06* ( 2006.01 )  
*G06Q 10/06* ( 2012.01 )  
**(43)** 25.02.2021  
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**(72)** THOMSON, Stanley; MILLER, Andrew  
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**(54)** Gel compositions for transdermal delivery to maximize drug concentrations in the stratum corneum and serum and methods of use thereof  
**(51)** Int. Cl.  
*A61K 9/06* ( 2006.01 )  
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*A61K 31/196* ( 2006.01 )  
*A61K 31/56* ( 2006.01 )  
*A61K 31/568* ( 2006.01 )  
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**(72)** Mackie, Nicolas; Fiske, Stuart  
**(74)** Phillips Ormonde Fitzpatrick

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**(54)** Transparent conductive oxide having an embedded film  
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**(72)** GANJOO, Ashtosh; NARAYANAN, Sudarshan; O'SHAUGNESSY, Dennis J.  
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*H04L 12/46* ( 2006.01 )  
*G06F 9/455* ( 2018.01 )  
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 (72) Dar, Chen; Bergman, Aran; Cidon, Israel; Zohar, Eyal; Markuze, Alex; Venugopal, Prashanth  
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(71) voestalpine Railway Systems Nortrak LLC; voestalpine VAE GmbH  
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 (51) Int. Cl.  
*E01B 9/60* ( 2006.01 )  
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 (21) 2021206870 (22) 22.07.2021  
 (54) Food processor and method for taking a food sample  
 (51) Int. Cl.  
*A47J 43/046* ( 2006.01 )  
*A47J 27/00* ( 2006.01 )  
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 (54) System with food processor and method  
 (51) Int. Cl.  
*G05B 13/02* ( 2006.01 )

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 (31) 20202271.1 (32) 16.10.20 (33) EP  
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 (11) AU-B-2021229199  
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 (54) Airway adapters and suction catheter systems  
 (51) Int. Cl.  
*A61M 1/00* ( 2006.01 )  
*A61M 16/04* ( 2006.01 )  
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*A61M 16/20* ( 2006.01 )  
*A61M 25/00* ( 2006.01 )  
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*C07C 41/01* ( 2006.01 )  
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 (54) A FLOW CONTROL DEVICE  
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*E21B 33/14* ( 2006.01 )  
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 (74) IP Gateway Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-B-2019217200  
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 (74) Adams Pluck

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(71) Welch Allyn, Inc.  
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 (51) Int. Cl.  
*A61B 5/00* ( 2006.01 )  
*G01N 21/29* ( 2006.01 )  
*G16H 50/20* ( 2018.01 )  
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(71) Well-SENSE Technology Limited  
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 (51) Int. Cl.  
*E21B 47/10* ( 2006.01 )  
*E21B 47/12* ( 2006.01 )  
*G02B 6/44* ( 2006.01 )  
*H02G 1/08* ( 2006.01 )  
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(71) Wenzhou Medical University  
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 (51) Int. Cl.  
*G06T 7/11* ( 2017.01 )  
 (87) WO2022/007352  
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 (51) Int. Cl.  
*E06C 1/383* ( 2006.01 )  
*E06C 1/12* ( 2006.01 )  
*E06C 1/30* ( 2006.01 )  
*E06C 7/50* ( 2006.01 )  
*F16C 11/10* ( 2006.01 )  
 (31) 63/055,257 (32) 22.07.20 (33) US  
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 (74) BOSH IP Pty Ltd

(71) West & Bergh Holding AB  
 (11) AU-B-2017441355  
 (21) 2017441355 (22) 28.11.2017  
 (54) Improved motion training aid with stimulator  
 (51) Int. Cl.  
*A63B 24/00* ( 2006.01 )  
*A61N 1/36* ( 2006.01 )  
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 (43) 06.06.2019  
 (44) 13.04.2023  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) Device and method for binding dust  
 (51) Int. Cl.  
*B08B 17/00* ( 2006.01 )  
*B05B 9/04* ( 2006.01 )  
 (87) WO2018/065586  
 (31) A 50903/2016 (32) 06.10.16 (33) AT  
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 (44) 13.04.2023  
 (72) Widhalm, Stefan  
 (74) Halfords IP

(71) Winfield Solutions, LLC  
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 (21) 2017386649 (22) 28.12.2017  
 (54) Drift reduction adjuvant compositions and methods of using same  
 (51) Int. Cl.  
*A01N 25/24* ( 2006.01 )  
*A01N 25/04* ( 2006.01 )  
*A01N 25/10* ( 2006.01 )  
*A01N 25/30* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
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 (31) 62/440,869 (32) 30.12.16 (33) US  
 (43) 05.07.2018  
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 (74) FPA Patent Attorneys Pty Ltd

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*H04B 5/00* ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (21) 2021282417 (22) 30.07.2021  
 (54) Easy-to-clean antiskid wear-resistant floor coating, method for preparing same and application thereof  
 (51) Int. Cl.  
*C09D 7/65* ( 2018.01 )  
*C09D 5/14* ( 2006.01 )  
*C09D 5/18* ( 2006.01 )  
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 (43) 03.03.2022  
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 (74) Remarkable IP

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 (11) AU-B-2020286490  
 (21) 2020286490 (22) 01.06.2020  
 (54) Non-contact detection of electrical energy  
 (51) Int. Cl.  
*H02J 3/40* ( 2006.01 )  
*G01R 29/18* ( 2006.01 )  
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 (21) 2022204581

(71) Yoshino Gypsum Co., Ltd.  
 (11) AU-B-2018356889  
 (21) 2018356889 (22) 31.05.2018  
 (54) Gypsum board manufacturing method and gypsum board  
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*B32B 13/08* ( 2006.01 )  
*B32B 37/14* ( 2006.01 )  
*E04B 9/04* ( 2006.01 )  
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(71) Zebra Technologies Corporation  
 (11) AU-B-2021202205  
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 (54) Using barcodes to determine item dimensions  
 (51) Int. Cl.  
*G06K 7/14* ( 2006.01 )  
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 (51) Int. Cl.  
*B01J 19/24* ( 2006.01 )  
*B01J 4/00* ( 2006.01 )  
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 (74) Michael Buck IP

(71) Zhejiang Funlithium New Energy Tech Co., Ltd.  
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 (21) 2019442202 (22) 22.06.2019  
 (54) Lithium metal negative electrode and manufacturing method therefor, and lithium battery using negative electrode  
 (51) Int. Cl.  
*H01M 4/134* ( 2010.01 )  
*H01M 4/1395* ( 2010.01 )  
*H01M 4/36* ( 2006.01 )  
*H01M 4/38* ( 2006.01 )  
*H01M 10/0525* ( 2010.01 )  
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 (21) 2019442510 (22) 22.06.2019  
 (54) Charging and discharging method for high-capacity retention rate lithium ion battery  
 (51) Int. Cl.

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**H01M 10/44** ( 2006.01 )

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(31) 201910338146.X (32) 25.04.19 (33) CN  
(43) 29.10.2020  
(44) 13.04.2023  
(72) XU, Xiaoxiong; CUI, Yanming; HUANG,  
Yuanqiao  
(74) Spruson & Ferguson
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- (71) Zodiac Pool Systems LLC  
(11) AU-B-2023200025  
(21) 2023200025 (22) 04.01.2023  
(54) Buoyant automatic cleaners  
(51) Int. Cl.

**E04H 4/16** ( 2006.01 )

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(44) 13.04.2023  
(62) 2017324272  
(72) Newman, Phillip; Van Der Meijden,  
Hendrikus Johannes  
(74) FB Rice Pty Ltd
- 

- (71) ZTE Corporation  
(11) AU-B-2020265943  
(21) 2020265943 (22) 20.04.2020  
(54) Transmission channel state sending  
method and device, transmission chan-  
nel state receiving method and device,  
and storage medium  
(51) Int. Cl.

**H04B 7/0456** ( 2017.01 )

- (87) WO2020/221041  
(31) 201910363745.7 (32) 30.04.19 (33) CN  
(43) 05.11.2020  
(44) 13.04.2023  
(72) LI, Yong; WU, Hao; ZHENG, Guozeng;  
LU, Zhaohua  
(74) Pizzeyes Patent and Trade Mark Attor-  
neys Pty Ltd
- 

- (71) ZURU (SINGAPORE) PTE. LTD.  
(11) AU-B-2018220892  
(21) 2018220892 (22) 14.02.2018  
(54) Apparatus for housing and revealing a  
plurality of children's toys  
(51) Int. Cl.

**A63F 9/12** ( 2006.01 )

**A63H 33/00** ( 2006.01 )

**B65D 21/02** ( 2006.01 )

- (87) WO2018/150328  
(31) 62/459,471 (32) 15.02.17 (33) US  
(43) 23.08.2018  
(44) 13.04.2023  
(72) Mowbray, Mathew Peter; Woods, Adam  
Steven  
(74) AJ PARK

Numerical Index

<b>2016329120</b>	F. Hoffmann-La Roche AG	<b>2017314052</b>	Liebherr-Mining Equipment Colmar SAS
<b>2016329126</b>	F. Hoffmann-La Roche AG	<b>2017318540</b>	DeltaTek Oil Tools Limited
<b>2016343845</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services; Baylor College of Medicine	<b>2017321696</b>	One Scientific, Inc.
<b>2016370630</b>	The Trustees of The University of Pennsylvania	<b>2017323599</b>	Hladio, A.; Fanson, R.; Ryterski, E.; Ferrabee, R.; Narciso, R.; Intellijoint Surgical Inc.
<b>2016374365</b>	Metabogen AB	<b>2017326323</b>	Bruckbauer, W.
<b>2016380342</b>	General Electric Company	<b>2017327889</b>	Unither Pharmaceuticals
<b>2016406360</b>	Global Algae Technology, LLC	<b>2017331392</b>	Air BP Limited
<b>2016412933</b>	Sunrise SPC Technology, LLC	<b>2017331459</b>	Becton, Dickinson and Company
<b>2016428997</b>	Sandvik Intellectual Property AB	<b>2017332132</b>	Fuller Bros. Inc.
<b>2016432713</b>	Alcon Inc.	<b>2017339088</b>	Widhalm, S.
<b>2017202284</b>	A. Finkl & Sons Co.	<b>2017341695</b>	BL Technologies, Inc.
<b>2017206048</b>	Viramal Limited	<b>2017345621</b>	Baxter International Inc.; Baxter Healthcare SA
<b>2017208114</b>	Intron Biotechnology, Inc.	<b>2017345734</b>	MAKO Surgical Corp.
<b>2017216485</b>	The Boeing Company	<b>2017346559</b>	East End Medical LLC.
<b>2017219605</b>	Temple University - of the Commonwealth System of Higher Education	<b>2017349452</b>	Expro North Sea Limited
<b>2017219865</b>	The Board of Trustees of the Leland Stanford Junior University	<b>2017349650</b>	Casale SA
<b>2017228701</b>	The Boeing Company	<b>2017353312</b>	Hg3 S.à.r.l.
<b>2017233862</b>	RNAISSANCE AG LLC	<b>2017353410</b>	miRdetect GmbH
<b>2017235482</b>	BASF SE	<b>2017354750</b>	Equinor Energy AS
<b>2017235483</b>	BASF SE	<b>2017354903</b>	Ipsen Biopharm Ltd.
<b>2017245387</b>	The Raymond Corporation	<b>2017355226</b>	Splash About International Limited
<b>2017246593</b>	Phico Therapeutics Ltd	<b>2017357497</b>	Société des Produits Nestlé S.A.
<b>2017251354</b>	Nunhems B.V.	<b>2017359995</b>	Höganäs AB
<b>2017254946</b>	CP Packaging, Inc.	<b>2017360091</b>	Technip France
<b>2017258058</b>	Sapporo Medical University; Nipro Corporation	<b>2017364934</b>	Electrolux Appliances Aktiebolag
<b>2017259794</b>	Encodia, Inc.	<b>2017366970</b>	Epiroc Rock Drills Aktiebolag
<b>2017260718</b>	SEB S.A.	<b>2017367254</b>	Alcon Inc.
<b>2017261828</b>	Aeromics, Inc.	<b>2017370003</b>	Minoryx Therapeutics S.L.
<b>2017262586</b>	DisperSol Technologies, LLC	<b>2017374784</b>	National Oilwell Varco UK Limited
<b>2017264640</b>	Visa Europe Limited	<b>2017377911</b>	Becton, Dickinson and Company
<b>2017265723</b>	OriCiro Genomics, Inc.	<b>2017379142</b>	Aduro A/S
<b>2017267250</b>	Core Transport Technologies N.Z. Ltd	<b>2017379190</b>	KSB SE & Co. KGaA
<b>2017267699</b>	SunFly Brands, Inc.	<b>2017379715</b>	Medical Components, Inc.
<b>2017267732</b>	Sound Pharmaceuticals Incorporated	<b>2017381279</b>	Expro North Sea Limited
<b>2017275769</b>	INSERM (Institut National de la Sante et de la Recherche Medicale); ICM (institut Du Cerveau Et De La Moelle Epinière); Centre National De La Recherche Scientifique (CNRS); Sorbonne Universite; Commissariat à l'Énergie Atomique et aux Énergies Alternatives (CEA); Assistance Publique - Hôpitaux de Paris	<b>2017385976</b>	Twistperfect, S.L.; Casumconi, S.L.
<b>2017276793</b>	RMD Luggage Concepts Pty Ltd	<b>2017386649</b>	Winfield Solutions, LLC
<b>2017278095</b>	The Board of Trustees of the Leland Stanford Junior University	<b>2017387345</b>	Société des Produits Nestlé S.A.
<b>2017279786</b>	Stryker Corporation	<b>2017388399</b>	Rush University Medical Center
<b>2017281789</b>	Corium, LLC.	<b>2017393921</b>	Protektorwerk Florenz Maisch GmbH & Co. Kg
<b>2017281928</b>	The Charles Stark Draper Laboratory Inc.; Massachusetts Eye and Ear Infirmary; Massachusetts Institute of Technology	<b>2017400535</b>	BL Technologies, Inc.
<b>2017287189</b>	Schaeffler Technologies AG & Co. KG	<b>2017402601</b>	Halliburton Energy Services, Inc.
<b>2017287868</b>	GW Research Limited	<b>2017406925</b>	voestalpine Railway Systems Nortrak LLC; voestalpine VAE GmbH
<b>2017288826</b>	Bridgestone Mobility Solutions B.V.	<b>2017415335</b>	Shah, M.
<b>2017289718</b>	Chevron U.S.A. Inc; Trelleborg Offshore Uk Ltd	<b>2017418863</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
<b>2017292912</b>	Impulse Downhole Solutions Ltd.	<b>2017422536</b>	Huawei Technologies Co., Ltd.
<b>2017296362</b>	Indian Institute Of Technology (IIT Madras)	<b>2017422728</b>	JGC Corporation
<b>2017297534</b>	PepsiCo, Inc.	<b>2017425503</b>	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
<b>2017298438</b>	ISHIHARA SANGYO KAISHA, LTD.	<b>2017435867</b>	Prysmian S.p.A.
<b>2017298576</b>	Variation Biotechnologies Inc.	<b>2017435878</b>	Halliburton Energy Services, Inc.
<b>2017298614</b>	Well-SENSE Technology Limited	<b>2017441355</b>	West & Bergh Holding AB
<b>2017299186</b>	Laboratorios Farmacéuticos Rovi, S.A.	<b>2018201200</b>	Queensland Eye Institute Foundation
<b>2017300845</b>	Flamel Ireland Ltd.	<b>2018202493</b>	Schneider Electric (Australia) Pty Limited
<b>2017301998</b>	PERI SE	<b>2018204706</b>	Weatherford Technology Holdings, LLC
<b>2017305853</b>	Galderma Holding SA	<b>2018206222</b>	Asarina Pharma AB
<b>2017308865</b>	Intrabio Limited	<b>2018207411</b>	Becton Dickinson and Company Limited
<b>2017311697</b>	TEVEL AEROBOTICS TECHNOLOGIES LTD	<b>2018209385</b>	Solenis Technologies Cayman, L.P.
		<b>2018210005</b>	RIEKE LLC
		<b>2018213405</b>	Ariana Holdings Pty Ltd
		<b>2018214800</b>	MasterCard International Incorporated
		<b>2018215597</b>	Magaldi Power S.p.A.
		<b>2018215971</b>	Fresenius Medical Care Deutschland GmbH
		<b>2018217931</b>	Bayer Animal Health GmbH
		<b>2018218375</b>	Mitsubishi UBE Cement Corporation
		<b>2018220892</b>	ZURU (SINGAPORE) PTE. LTD.

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2018222353	Evonik Operations GmbH	2019229408	Gustav Hensel GmbH & Co. KG
2018223803	CommScope, Inc. of North Carolina	2019240072	ResFrac Corporation
2018224121	BWXT Isotope Technology Group, Inc.	2019241111	Huawei Technologies Co., Ltd.
2018225249	BWXT Isotope Technology Group, Inc.	2019241321	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
2018229492	Rohm and Haas Company	2019243242	CJ Cheiljedang Corporation
2018232485	Epygon	2019252432	Eisai R&D Management Co., Ltd.
2018235192	Freddy Hirsch Group AG	2019252890	Aker Solutions AS
2018235278	Caffitaly System S.p.A.	2019253769	Technological Resources Pty Ltd
2018235412	Ishihara Sangyo Kaisha, Ltd.	2019257251	Pitco Frialator, Inc.
2018236155	DePuy Synthes Products, Inc.	2019262797	Neutron Therapeutics, Inc.
2018248377	Fresenius Medical Care Holdings, Inc.	2019266890	MHWirth GmbH
2018248979	Attenti Electronic Monitoring Ltd.	2019286406	KBIO HOLDINGS LIMITED
2018250311	The Texas A & M University System	2019291795	Lubrizol Advanced Materials, Inc.
2018251720	U.S. Patent Innovations LLC	2019297130	Illumina, Inc.
2018251792	TerraPower, LLC	2019301956	Novocure GmbH
2018254418	Breakthrough Technologies, LLC	2019306205	Qualcomm Incorporated
2018254823	Binding Solutions Ltd	2019328590	Aerie Pharmaceuticals, Inc.
2018271366	Apple Inc.	2019330782	Enterprises International, Inc.
2018272944	HaskoningDHV Nederland B.V.	2019338892	LG Electronics Inc.
2018273326	Control Concepts, Inc.	2019342959	Masterbuilt Manufacturing, LLC
2018275053	Lotte Co., Ltd.	2019344655	Simpson Strong-Tie Company, Inc.
2018275707	Kleemann GmbH	2019349396	CJ Cheiljedang Corporation
2018278944	Bruckbauer, W.	2019354477	LG Electronics Inc.
2018287300	ZELP Ltd	2019357156	Korea Advanced Institute of Science and Technology
2018292419	Berry Global, Inc.	2019370583	Inventio AG
2018292784	Imtmedical AG	2019372914	LG Electronics Inc.
2018299802	ExxonMobil Research and Engineering Company	2019375169	Komatsu Ltd.
2018300408	LG Electronics Inc.	2019381318	3M Innovative Properties Company
2018302492	Fidia Farmaceutici S.p.A.	2019383975	Chorckek, Inc.
2018304182	The Board of Trustees of the Leland Stanford Junior University	2019392060	Hewlett-Packard Development Company, L.P.
2018304415	Schreder S.A.	2019395820	Nouryon Chemicals International B.V.
2018311057	Vitro Flat Glass LLC	2019396029	Nitto Kohki Co., Ltd.
2018311261	All Weather Sportscover Limited; Doig, M.	2019396103	Korea Food Research Institute
2018318075	Allergan, Inc.	2019398714	MMD Design & Consultancy Limited
2018320964	The Board of Trustees of the University of Illinois	2019399699	Huawei Technologies Co., Ltd.
2018325442	Dana-Farber Cancer Institute, Inc.	2019402189	Novartis AG
2018326401	Commonwealth Scientific and Industrial Research Organisation	2019408824	Nuovo Pignone Tecnologie - S.r.l.
2018326807	Magic Leap, Inc.	2019412815	Ecometales Limited
2018335849	Aarhus Universitet	2019413143	Bloomage Biotechnology Corporation Limited; Shandong Bloomage Hyinc Biopharm Corporation Limited
2018337819	McElroy Manufacturing, Inc.	2019418106	Pintz, G.
2018338184	Merck Sharp & Dohme LLC	2019418573	Haier Smart Home Co., Ltd.
2018341084	Exonate Limited	2019419491	Sarcos Corp.
2018344739	Shionogi & Co., Ltd.	2019428236	Hewlett-Packard Development Company, L.P.
2018348843	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude	2019428366	Hewlett-Packard Development Company, L.P.
2018356889	Yoshino Gypsum Co., Ltd.	2019432401	Peng, X.
2018360878	Family Zone Cyber Safety Ltd	2019439793	Huawei Technologies Co., Ltd.
2018362046	Jubilant Prodel LLC	2019442202	Zhejiang Funlithium New Energy Tech Co., Ltd.
2018372420	Samsung Electronics Co., Ltd.	2019442510	Zhejiang Funlithium New Energy Tech Co., Ltd.
2018378698	Hulu, LLC	2019443642	Nokia Technologies Oy
2018378827	Massachusetts Institute of Technology	2019444427	General Electric Company
2018380957	Chr. Hansen HMO GmbH	2019445481	KA AZ Corporation
2018386272	Peloton Interactive, Inc.	2019447115	JRJ ALLIANCE, LLC
2018386327	Inthera Bioscience AG	2019449838	South China Sea Institute of Oceanology, Chinese Academy of Sciences
2018413264	Total Solar International; North Carolina State University	2019450898	Jilin Asymchem Laboratories Co., Ltd.
2018418520	Building IP Holdings Pty Ltd	2019459693	Fujitsu Limited
2018419295	Chengdu Borns Medical Robotics Inc.	2019462931	Micro Motion, Inc.
2018448024	Pujing Chemical Industry Co., Ltd	2019463665	CRC CARE Pty Ltd
2019200601	MacDon Industries Ltd.	2019464900	Halliburton Energy Services, Inc.
2019202692	UHU GmbH & Co. KG	2019475336	Watanabe Oyster Laboratory, Co., Ltd.
2019203265	Organovo, Inc.	2020201636	Mesoblast International Sarl
2019212037	Owens-Brockway Glass Container Inc.	2020202305	Daiichi Sankyo Company, Limited; Sapporo Medical University
2019212361	BASF SE	2020203238	Regeneron Pharmaceuticals, Inc.
2019213858	Beexlab S.r.l.	2020203244	FOUNDATION MEDICINE, INC.
2019217200	Weir Minerals Netherlands B.V.	2020206983	Easee AS
2019221229	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2020207261	Antecip Bioventures II LLC
2019225176	Qualcomm Incorporated	2020207638	Novartis AG
2019228005	Ergotron, Inc.	2020210430	Foshan Cloud Disaster Recovery Information Technology Co.Ltd
2019228474	Eli Lilly and Company	2020216330	Abbott Diabetes Care Inc.

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2020217312	Regeneron Pharmaceuticals, Inc.	2020345067	BELKIN Vision Ltd.
2020218139	Boston Scientific Neuromodulation Corporation	2020355830	Shenzhen Salubris Pharmaceuticals Co. Ltd
2020219412	Unilever IP Holdings B.V.	2020368576	Ecole polytechnique federale de Lausanne (EPFL)
2020219685	Progeneer, Inc.	2020374440	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2020219780	Andritz Inc.	2020383323	Praxair Technology, Inc.
2020220030	S&C Electric Company	2020385527	TYK Medicines, Inc.
2020220383	Fraunhofer-Gesellschaft zur Förderung der ange- wandten Forschung e.V.	2020395182	Fluid Handling LLC
2020222948	Avery Dennison Corporation	2020404895	Netflix, Inc.
2020223060	Beam Therapeutics Inc.	2020409472	Siemens Mobility GmbH
2020223304	IDAC Holdings, Inc.	2020416598	Tencent America LLC
2020226426	Huawei Technologies Co., Ltd.	2020430369	Shan Dong University
2020226678	SensoCure AS	2020449613	Magdy Zareef Zaki, R.
2020226731	Oakley, Inc.	2020458040	Wenzhou Medical University
2020230451	Buttriss, J.	2021200276	True Manufacturing Co., Inc.
2020231174	Veolia Water Solutions & Technologies Support	2021200439	Verton IP Pty Ltd
2020231725	Mitsui Chemicals, Inc.	2021200516	Allergan Industrie, SAS
2020233273	Borealis AG	2021200664	Corteva Agriscience LLC
2020233909	International Business Machines Corporation	2021200765	iBio, Inc.; NOVICI BIOTECH LLC; MUSC Foundation for Research Development
2020235414	Nicoventures Trading Limited	2021200781	SYNEXIS LLC
2020238418	Qingdao Haier Washing Machine Co., Ltd.; Haier Smart Home Co., Ltd.	2021201133	Optimed Medizinische Instrumente GmbH
2020239383	Nicoventures Trading Limited	2021201215	Flexopack S.A.
2020241824	Capital One Services, LLC	2021201455	ACCESS CLOSURE, INC.
2020243577	Everseen Limited	2021201666	Illumina, Inc.
2020247336	Unilever Global IP Limited	2021201883	JCM American Corporation
2020248378	Creative Systems and Design, LLC.; The ESAB Group Inc.	2021202009	Gilead Sciences, Inc.
2020250662	Dai Nippon Printing Co., Ltd.	2021202057	Immatics Biotechnologies GmbH
2020253261	ConMed Corporation	2021202058	Immatics Biotechnologies GmbH
2020255702	PrimeGene (Beijing) Co., Ltd.	2021202059	Immatics Biotechnologies GmbH
2020257177	Milwaukee Electric Tool Corporation	2021202205	Zebra Technologies Corporation
2020260380	NeuroVision Pharma GmbH	2021202221	Vaxxas Pty Limited
2020263241	The Procter & Gamble Company	2021202418	Synexis LLC
2020264742	Ocado Innovation Limited	2021202547	SharkNinja Operating LLC
2020265931	Huawei Technologies Co., Ltd.	2021202548	SharkNinja Operating LLC
2020265943	ZTE Corporation	2021202613	DEKA Products Limited Partnership
2020266125	Mayo Foundation for Medical Education and Research	2021202620	Apple Inc.
2020266926	Huawei Technologies Co., Ltd.	2021202640	The United States of America, as represented by the Secretary, Department of Health and Human Services
2020267811	International Business Machines Corporation	2021202669	Mining and Process Solutions Pty Ltd
2020277152	GAMBRO LUNDIA AB	2021203095	Applied Medical Resources Corporation
2020277212	Nunhems B.V.	2021203158	Nicoventures Trading Limited
2020279663	CJ CheilJedang Corporation	2021203205	Apple Inc.
2020282967	Boston Scientific Neuromodulation Corporation	2021203277	HONEYWELL INTERNATIONAL INC.
2020283448	Chevron U.S.A. Inc.	2021203354	Uber Technologies, Inc.
2020284137	ESCO Group LLC	2021203676	Qualcomm Incorporated
2020286319	Nunhems B.V.	2021203828	Children's Hospital & Research Center at Oakland
2020286490	X Development LLC	2021204081	Immatics Biotechnologies GmbH
2020290647	Thales Management & Services Deutschland GmbH	2021204170	HONEYWELL INTERNATIONAL INC.
2020292664	CGeneTech (Suzhou, China) Co., Ltd.	2021204171	LG Electronics Inc.
2020299385	Netflix, Inc.	2021204201	Immatics Biotechnologies GmbH
2020299608	ServiceNow, Inc.	2021204326	Regents of the University of Minnesota
2020300400	Merck Sharp & Dohme LLC	2021204455	Landis+Gyr Innovations, Inc.
2020308011	Utilidata, Inc.	2021204782	Sage Therapeutics, Inc.
2020308988	PRC-DeSoto International, Inc.	2021205003	Access Vascular, Inc.
2020310852	Eli Lilly and Company	2021205029	Werner Co.
2020315029	Realsee (Beijing) Technology Co., Ltd.	2021205077	Welch Allyn, Inc.
2020316003	PPG Industries Ohio, Inc.	2021206787	Stoddart Technology Pty Ltd
2020316202	LG Electronics Inc.	2021206870	Vorwerk & Co. Interholding GmbH
2020322552	Hubei Institute of Aerospace Chemotechnology	2021206890	Amphastar Pharmaceuticals, Inc.
2020326927	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2021209163	Dexcom, Inc.
2020327926	Gilead Sciences, Inc.	2021209239	Sage Products, LLC
2020327970	PayPal, Inc.	2021209286	Smith & Nephew Surgical Pty Ltd; McAuliffe, M.
2020334856	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.	2021212070	KEEPITSAFE (IRELAND) LIMITED
2020336649	Enterobiome Inc.	2021214418	Recce Pharmaceuticals Ltd
2020336740	Metisa Biotechnology Co., Ltd.	2021215204	SPEX Corporate Holdings Limited
2020338637	Hefei Institutes of Physical Science, Chinese Academy of Sciences	2021221592	VMware, Inc.
2020338765	Metisa Biotechnology Co., Ltd	2021225202	Retrotope, Inc.
2020339348	Enterobiome Inc.	2021225226	Sperry Rail, Inc.
		2021229194	Vorwerk & Co. Interholding GmbH
		2021229199	Vyaire Medical Consumables LLC
		2021229214	AlgoTherapeutix



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2021232813	Vertex Pharmaceuticals Incorporated	2022235557	BP Corporation North America Inc.
2021236507	Sartorius Stedim Chromatography Systems Ltd.	2022241490	Upside Foods, Inc.
2021236586	Hainan University	2022241624	Medtronic, Inc.
2021239037	CNBM (Hefei) Powder Technology Equipment Co., Ltd.	2022268397	Spin Master, Inc.
2021240110	Baker Hughes Holdings LLC	2023200025	Zodiac Pool Systems LLC
2021240288	Worldpay Limited	2023200522	Commonwealth Scientific and Industrial Research Organisation
2021246917	Tencent America LLC	2023200783	Amarin Pharmaceuticals Ireland Limited
2021249117	Okta, Inc.	2023200784	Amarin Pharmaceuticals Ireland Limited
2021250929	Tencent Technology (Shenzhen) Company Limited	2023201045	CCTEG Tiandi Science & Technology Co., Ltd.; CCTEG Energy Technology Development Co., Ltd.
2021250965	Monsanto Technology LLC		
2021254566	360 Knee Systems Pty Ltd		
2021254672	Biomet Manufacturing, LLC		
2021260953	ROM Technologies, Inc.		
2021261922	Apple Inc.		
2021261980	Revolutionary Medical Devices, Inc.		
2021266199	Google LLC		
2021266213	Oxford Photovoltaics Limited		
2021270865	Chevron U.S.A. Inc.		
2021273566	Janssen Pharmaceutica NV		
2021273611	Transportation IP Holdings, LLC		
2021277524	GE Video Compression, LLC		
2021277703	Apple Inc.		
2021277725	Milich, S.		
2021277768	State Grid Xinjiang Co., Ltd. Electric Power Research Institute; State Grid Corporation of China		
2021282417	Wuhan Research Institute of Materials Protection		
2021282447	Accenture Global Solutions Limited		
2021282989	MFTB Holdco, Inc.		
2021290314	Techtronic Cordless GP		
2021301124	Global Cooling, Inc.		
2021316961	Dapper Labs Inc.		
2021325373	Vecor IP Holdings Limited		
2021326016	Topgolf Sweden AB		
2021346298	Shandong University		
2021355322	Intuit Inc.		
2021355607	China Coal Research Institute		
2021359042	Shanghai Zhimeng Biopharma, Inc.		
2021365721	Dropbox, Inc.		
2021380315	AskAt Inc.		
2021409880	Dropbox, Inc.		
2022200101	Blackmore Sensors & Analytics LLC		
2022200187	Beijing Baidu Netcom Science Technology Co., Ltd.		
2022200195	CubicPV Inc.		
2022200751	Mitsubishi Electric Corporation		
2022200845	Schneider Electric Industries SAS		
2022200855	Regenmed Systems, Inc.		
2022200862	VELANO VASCULAR, INC.		
2022200986	PepsiCo, Inc.		
2022201019	BELRON INTERNATIONAL LTD		
2022201053	Mallinckrodt Hospital Products IP Limited		
2022201203	Stephen, C.C.; Dimmock, M.S.		
2022201307	Regents of the University of Minnesota		
2022201324	Force Impact Technologies, Inc.		
2022201547	SAMSUNG ELECTRONICS CO., LTD.		
2022201624	Kortek Industries Pty Ltd		
2022201782	LG ELECTRONICS INC.		
2022201978	Elbex Video Ltd.		
2022202061	KWOK, C.L.C.		
2022202261	Apple Inc.		
2022202886	Institute of Materia Medica, Chinese Academy of Medical Sciences		
2022203223	Schneider Electric Industries SAS		
2022203331	SAMSUNG ELECTRONICS CO., LTD.		
2022203637	Intuit Inc.		
2022204316	Gen-Probe Incorporated		
2022204581	TScan Therapeutics, Inc.; Nayar, R.; Macbeath, G.; Jangalwe, S.; Jurewicz, M.; Basinski, A.; Xu, Q.; Boudot, A.; Kula, T.		
2022209312	LG Electronics Inc.		
2022211878	Shihezi University		
2022224918	AptaBio Therapeutics Inc.		
2022235513	GE Video Compression, LLC		

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<b><u>A01C 23 /-</u></b>	<b><u>A01N 3 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A45C 13 /-</u></b>	2021254672 2022200855	2021209239
2021236586	2021202418	2018380957 2019396103 2020336649 2020339348	2017276793		<b><u>A61J 1 /-</u></b>
<b><u>A01D 101 /-</u></b>	<b><u>A01N 37 /-</u></b>		<b><u>A47C 27 /-</u></b>	<b><u>A61B 18 /-</u></b>	2018207411
2021277725	2020336740 2021250965	<b><u>A23P 10 /-</u></b>	2022268397	2018201200 2018251720 2020253261 2020345067	<b><u>A61K 31 /-</u></b>
<b><u>A01D 34 /-</u></b>	<b><u>A01N 43 /-</u></b>	2018380957	<b><u>A47F 3 /-</u></b>		2017206048 2017261828 2017262586 2017267732
2019445481 2021277725	2020338765	<b><u>A23P 30 /-</u></b>	2021200276	<b><u>A61B 3 /-</u></b>	2017281789 2017281928 2017287868 2017299186 2017300845
<b><u>A01D 41 /-</u></b>	<b><u>A01N 59 /-</u></b>	2018380957	<b><u>A47J 27 /-</u></b>	2016432713 2017367254	2017305853 2017308865 2017354903 2017370003 2017388399
2019200601	2021202418	<b><u>A24B 3 /-</u></b>	2021206870	<b><u>A61B 34 /-</u></b>	2018206222 2018217931 2018302492 2018318075 2018341084
<b><u>A01D 46 /-</u></b>	<b><u>A01N 63 /-</u></b>	2020235414	<b><u>A47J 31 /-</u></b>	2017323599 2017345734 2018419295 2021260953	2018386327 2019241321 2019252432 2019328590 2019402189 2020202305 2020207261 2020207638 2020255702 2020260380 2020292664 2020300400 2020310852 2020327926 2020338637 2020355830 2020385527 2020430369 2021202009 2021204782 2021214418 2021229214 2021273566 2021359042 2021380315 2022202886 2022211878 2022224918 2023200783 2023200784
2017311697	2017233862	<b><u>A24D 1 /-</u></b>	2017357497 2017387345 2020334856	<b><u>A61B 46 /-</u></b>	
<b><u>A01D 69 /-</u></b>	<b><u>A01N 65 /-</u></b>	2020239383	<b><u>A47J 36 /-</u></b>	2017323599	<b><u>A61B 5 /-</u></b>
2021277725	2017233862	<b><u>A24D 3 /-</u></b>	2017260718 2021206870 2021229194		2020216330 2020226678 2020282967 2021205077 2021209163 2022200862
<b><u>A01G 3 /-</u></b>	<b><u>A01P 13 /-</u></b>	2020235414 2020239383	<b><u>A47J 37 /-</u></b>	<b><u>A61B 50 /-</u></b>	2018251720
2017311697	2017386649	<b><u>A24F 40 /-</u></b>	2019342959 2021202547 2021202548		<b><u>A61B 90 /-</u></b>
<b><u>A01G 7 /-</u></b>	<b><u>A01P 7 /-</u></b>	2020235414 2020239383	<b><u>A47J 43 /-</u></b>	2021206870 2021229194	2017345734
2018213405 2021202418	2020336740	<b><u>A24F 47 /-</u></b>	2021206870 2021229194	<b><u>A47J 44 /-</u></b>	<b><u>A61C 7 /-</u></b>
<b><u>A01H 1 /-</u></b>	<b><u>A21D 13 /-</u></b>	2021203158	<b><u>A41B 13 /-</u></b>	2021229194	2019381318
2017235482 2017235483 2017251354	2020219412	<b><u>A41D 7 /-</u></b>	2017355226	<b><u>A47L 11 /-</u></b>	<b><u>A61F 13 /-</u></b>
<b><u>A01H 3 /-</u></b>	<b><u>A22C 11 /-</u></b>	2017355226	<b><u>A41D 7 /-</u></b>	2022201782	2017377911 2018248377 2018292419
2017233862	2018235192	<b><u>A41D 7 /-</u></b>	2021229194	<b><u>A47L 13 /-</u></b>	<b><u>A61F 2 /-</u></b>
<b><u>A01H 5 /-</u></b>	<b><u>A23G 9 /-</u></b>	2017355226	<b><u>A47L 11 /-</u></b>	2017353312	2018232485 2021201133 2021254672
2017251354 2017298438 2020286319	2018275053 2020219412	<b><u>A41F 9 /-</u></b>	2022201782	<b><u>A47L 9 /-</u></b>	
<b><u>A01H 6 /-</u></b>	<b><u>A23K 10 /-</u></b>	2017355226	<b><u>A47L 13 /-</u></b>	2020316202 2022201782	<b><u>A61G 1 /-</u></b>
2020277212 2020286319	2019396103 2019432401	<b><u>A44B 19 /-</u></b>	2017353312		2021209239
<b><u>A01K 39 /-</u></b>	<b><u>A23K 20 /-</u></b>	2017276793	<b><u>A61B 10 /-</u></b>	<b><u>A61F 9 /-</u></b>	<b><u>A61K 33 /-</u></b>
2022201307	2019432401	2019447115	2022200855	2018232485 2021201133 2021254672	2022201053
<b><u>A01K 67 /-</u></b>	<b><u>A23K 50 /-</u></b>	2019447115	<b><u>A61B 17 /-</u></b>		<b><u>A61K 35 /-</u></b>
2019286406 2020203238 2022201307	2019432401	<b><u>A45B 11 /-</u></b>	2017345734 2017346559 2017415335 2018236155 2018251720 2021201455 2021202221 2021203095 2021209286 2021254566	<b><u>A61G 5 /-</u></b>	2016374365 2016380342 2017258058 2019203265 2019396103 2020201636
<b><u>A01M 21 /-</u></b>	<b><u>A23L 13 /-</u></b>	2019447115	<b><u>A45B 17 /-</u></b>	2017279786	
2018213405	2022241490	<b><u>A45B 19 /-</u></b>	2019447115	<b><u>A61G 7 /-</u></b>	
<b><u>A01N 25 /-</u></b>	<b><u>A23L 3 /-</u></b>	<b><u>A45B 23 /-</u></b>	2019447115		
2017386649	2019418573 2021202418	<b><u>A45B 25 /-</u></b>	2019447115		

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2020336649	2021214418	2020368576	2020255702		2018215971
2020339348	2021229214	2022241624	2020336649	<b>A61Q 19 /-</b>	2019291795
2021202640	2022201053		2020339348		
2022211878		<b>A61N 5 /-</b>	2021380315	2021200516	<b>B01D 9 /-</b>
<b>A61K 38 /-</b>	<b>A61L 17 /-</b>	2018201200	<b>A61P 31 /-</b>	<b>A62D 3 /-</b>	2018206222
	2021205003	2020345067		2018254418	<b>B01J 12 /-</b>
2016380342			2017298576	<b>A63B 24 /-</b>	2018287300
2017208114	<b>A61L 27 /-</b>	<b>A61P 1 /-</b>	2019241321		
2018338184		2016374365	2020430369	2017441355	<b>B01J 19 /-</b>
2021206890	2021200516	2017370003	2021203828		
	2021205003	2020201636	2021214418	<b>A63B 71 /-</b>	2018254418
<b>A61K 39 /-</b>	<b>A61L 29 /-</b>	2020255702	<b>A61P 35 /-</b>	2018386272	2018287300
	2021205003	2020327926		2022201324	2021200781
2016343845		2021380315	2017354903	<b>A63C 19 /-</b>	<b>B01J 4 /-</b>
2017298576	<b>A61L 9 /-</b>	<b>A61P 11 /-</b>	2018325442		
2019228474		2021380315	2018362046	2018311261	2018287300
2019402189	2021200781	2022201053	2018386327	<b>A63F 13 /-</b>	<b>B01L 3 /-</b>
2020202305			2019252432		
2020219685	<b>A61M 1 /-</b>	<b>A61P 13 /-</b>	2019396103	2021201883	2018304182
2021202057	2017346559	2021380315	2019402189	<b>A63F 9 /-</b>	2018378827
2021202058	2018248377	<b>A61P 17 /-</b>	2020201636		2019297130
2021202059	2018251720		2020202305	2018220892	<b>B02C 21 /-</b>
2021203828	2020277152	2017305853	2020219685	<b>A63H 33 /-</b>	2018275707
2021204081	2021202613	2018318075	2020255702		
2021204201	2021229199	2020201636	2020292664	2018220892	<b>B02C 23 /-</b>
<b>A61K 45 /-</b>	<b>A61M 13 /-</b>	2020207638	2020338637		
		2020207638	2020385527	2018220892	<b>B01D 15 /-</b>
2019402189	2021203095	2020255702	2020385527		
2020207638	<b>A61M 16 /-</b>	2020338637	2021202057	<b>B01D 17 /-</b>	2019217200
2020219685		2021380315	2021202058		<b>B02C 7 /-</b>
2023200783		<b>A61P 19 /-</b>	2021202059		
2023200784			2021214418		2018275707
<b>A61K 47 /-</b>	2021229199	2020338637	2021273566	<b>B01D 33 /-</b>	2019398714
	2021261980	2021380315	2021380315		
2017206048	<b>A61M 25 /-</b>		2022224918	<b>B01D 53 /-</b>	<b>B02C 4 /-</b>
2017281928		2020338637	<b>A61P 37 /-</b>		
2018206222	2017346559	2021380315		<b>B01D 17 /-</b>	2019217200
2019328590	2017377911	<b>A61P 21 /-</b>	2017298576		<b>B02C 7 /-</b>
2020219685	2017379715		2019228474	<b>B01D 33 /-</b>	2020219780
2022211878	2021229199	2016370630	2019286406		
2023200783	2022200855	<b>A61P 25 /-</b>	2020201636	2020231174	<b>B03B 9 /-</b>
2023200784	2022200862		2020255702	<b>B01D 53 /-</b>	2021325373
<b>A61K 48 /-</b>	<b>A61M 31 /-</b>	2017258058	2020338637		
		2017308865	2021203828	2017349650	<b>B03C 1 /-</b>
2016370630	2017379715	2020207261	2021273566	2018254418	
2017219605		2020255702	2021380315	2020383323	2021325373
<b>A61K 8 /-</b>	<b>A61M 37 /-</b>	2020310852	<b>A61P 43 /-</b>		
		2021204782		<b>B01D 61 /-</b>	<b>B05B 15 /-</b>
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2021200516	2021202221	2021380315	<b>A61P 7 /-</b>	2018302492	2021290314
		2022224918		<b>B01D 63 /-</b>	<b>B05B 9 /-</b>
<b>A61K 9 /-</b>	<b>A61M 39 /-</b>	<b>A61P 27 /-</b>	2020338637		
			2020355830	2016406360	2017339088
2017206048	2021229199	2017281928	<b>A61P 9 /-</b>	<b>B01D 65 /-</b>	<b>B07B 1 /-</b>
2017208114	2022200855	2019328590			
2017278095	<b>A61M 5 /-</b>	2021380315	2020255702	2016406360	2017374784
2017281789		2022224918	2020338637	2017341695	2021325373
2017281928	2017379715	<b>A61P 29 /-</b>	2020355830	<b>B01D 67 /-</b>	<b>B07B 13 /-</b>
2017287868	2018207411		2021229214		
2017298576	2018248377	2018318075	2021380315	2018215971	2017374784
2017300845	2021202221	2020201636	2022224918	2019291795	
2017327889		2020336649	<b>A61Q 11 /-</b>		<b>B07B 15 /-</b>
2017354903	<b>A61N 1 /-</b>	2021380315		<b>B01D 69 /-</b>	2021325373
2018206222		2022224918	2020263241		
2018217931	2017441355	<b>A61P 3 /-</b>	<b>A61Q 17 /-</b>	2018215971	<b>B07B 7 /-</b>
2020207638	2019301956			<b>B01D 71 /-</b>	
2021202009	2020218139		2017267699		2018218375
2021206890	2020282967				

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2019398714	2016412933	2017314052	2017297534	<b><u>C01B 17 /-</u></b>	2021200664
2020264742	<b><u>B29C 65 /-</u></b>	<b><u>B60L 53 /-</u></b>	<b><u>B65D 21 /-</u></b>	2018254418	<b><u>C07C 269 /-</u></b>
<b><u>B08B 1 /-</u></b>	2017345621	2020206983	2018220892	<b><u>C01B 3 /-</u></b>	2020308988
2017353312	2018337819	<b><u>B60P 1 /-</u></b>	<b><u>B65D 23 /-</u></b>	2018254418	<b><u>C07C 271 /-</u></b>
<b><u>B08B 13 /-</u></b>	<b><u>B29C 67 /-</u></b>	2019375169	2017297534	<b><u>C01G 21 /-</u></b>	2020308988
2020264742	2017359995	<b><u>B60P 3 /-</u></b>	<b><u>B65D 41 /-</u></b>	2021266213	<b><u>C07C 317 /-</u></b>
<b><u>B08B 15 /-</u></b>	<b><u>B29K 23 /-</u></b>	2019375169	2018210005	<b><u>C01G 28 /-</u></b>	2021225202
2018278944	2017345621	<b><u>B60W 30 /-</u></b>	<b><u>B65D 51 /-</u></b>	2019412815	<b><u>C07C 381 /-</u></b>
<b><u>B08B 17 /-</u></b>	<b><u>B29K 27 /-</u></b>	2023201045	2018210005	<b><u>C01G 39 /-</u></b>	2021225202
2017339088	2017345621	<b><u>B61K 9 /-</u></b>	<b><u>B65D 55 /-</u></b>	2018224121	<b><u>C07C 41 /-</u></b>
<b><u>B08B 7 /-</u></b>	<b><u>B29K 67 /-</u></b>	2021225226	2018210005	<b><u>C01G 45 /-</u></b>	2019475336
2017353312	2017345621	<b><u>B61L 1 /-</u></b>	<b><u>B65D 85 /-</u></b>	2018235412	<b><u>C07C 43 /-</u></b>
<b><u>B21D 31 /-</u></b>	<b><u>B29K 75 /-</u></b>	2020290647	2018235278	<b><u>C02F 1 /-</u></b>	2019475336
2017393921	2017345621	<b><u>B61L 23 /-</u></b>	<b><u>B65G 1 /-</u></b>	2017341695	<b><u>C07C 45 /-</u></b>
<b><u>B21D 47 /-</u></b>	<b><u>B29L 23 /-</u></b>	2020290647	2020264742	<b><u>C02F 3 /-</u></b>	2019450898
2017393921	2018337819	<b><u>B62B 3 /-</u></b>	<b><u>B65G 43 /-</u></b>	2018272944	<b><u>C07C 49 /-</u></b>
<b><u>B22F 3 /-</u></b>	<b><u>B31D 1 /-</u></b>	2019228005	2020264742	<b><u>C03B 3 /-</u></b>	2019450898
2017359995	2019330782	<b><u>B62D 33 /-</u></b>	<b><u>B65H 20 /-</u></b>	2019212037	<b><u>C07C 69 /-</u></b>
<b><u>B23K 10 /-</u></b>	<b><u>B31F 1 /-</u></b>	2019375169	2017254946	<b><u>C03B 5 /-</u></b>	2021225202
2020248378	2019330782	<b><u>B63B 22 /-</u></b>	<b><u>B66B 19 /-</u></b>	2019212037	<b><u>C07D 207 /-</u></b>
<b><u>B23K 11 /-</u></b>	<b><u>B32B 13 /-</u></b>	2019449838	2019370583	<b><u>C03C 17 /-</u></b>	2019241321
2020248378	2018356889	<b><u>B63B 35 /-</u></b>	<b><u>B66B 9 /-</u></b>	2018311057	<b><u>C07D 213 /-</u></b>
<b><u>B25B 11 /-</u></b>	<b><u>B32B 27 /-</u></b>	2022201203	2019370583	<b><u>C03C 8 /-</u></b>	2018344739
2018337819	2016412933	<b><u>B63C 11 /-</u></b>	<b><u>B66C 13 /-</u></b>	2017364934	2020336740
<b><u>B25B 5 /-</u></b>	2018292419	2017360091	2021200439	<b><u>C04B 14 /-</u></b>	2020338765
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<b><u>B25D 11 /-</u></b>	2021201215	<b><u>B64D 37 /-</u></b>	<b><u>B67D 1 /-</u></b>	2018218375	<b><u>C07D 217 /-</u></b>
2020257177	2016412933	2017331392	2019213858	2021325373	2019328590
<b><u>B25F 5 /-</u></b>	2018356889	<b><u>B64D 47 /-</u></b>	2019418106	<b><u>C04B 24 /-</u></b>	<b><u>C07D 239 /-</u></b>
2020257177	2018292419	2017216485	2020334856	2019464900	2018362046
<b><u>B25J 15 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B64F 1 /-</u></b>	<b><u>B67D 7 /-</u></b>	<b><u>C04B 26 /-</u></b>	<b><u>C07D 261 /-</u></b>
2019419491	2020250662	2017331392	2017331392	2021355607	2020300400
<b><u>B26D 1 /-</u></b>	<b><u>B41J 2 /-</u></b>	2017331392	<b><u>B82Y 40 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07D 265 /-</u></b>
2018235192	2019392060	<b><u>B65B 27 /-</u></b>	2018304182	2019464900	2021359042
<b><u>B28B 3 /-</u></b>	2019428236	2019330782	<b><u>B82Y 5 /-</u></b>	<b><u>C07C 211 /-</u></b>	<b><u>C07D 307 /-</u></b>
2022201203	2019428366	<b><u>B65B 41 /-</u></b>	2018304182	2018318075	2018318075
	<b><u>B60C 5 /-</u></b>	2017254946	<b><u>C01B 15 /-</u></b>		
	2017332132				

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<u><b>C07D 313 /-</b></u>	<u><b>C07D 498 /-</b></u>	2022204581	2020316003	<u><b>C12N 1 /-</b></u>	2018222353
2019252432	2018344739	<u><b>C07K 7 /-</b></u>	<u><b>C09D 163 /-</b></u>	2016406360	2020279663
<u><b>C07D 333 /-</b></u>	2019252432	2021204201	2018229492	2019413143	2022204316
2018318075	<u><b>C07D 519 /-</b></u>	<u><b>C08B 37 /-</b></u>	<u><b>C09D 167 /-</b></u>	2020336649	<u><b>C12P 7 /-</b></u>
<u><b>C07D 401 /-</b></u>	2020327926	2018302492	2018229492	2020339348	2019357156
2018341084	<u><b>C07F 9 /-</b></u>	2021200516	<u><b>C09D 5 /-</b></u>	<u><b>C12N 15 /-</b></u>	<u><b>C12Q 1 /-</b></u>
2018344739	2017261828	<u><b>C08G 18 /-</b></u>	2018229492	2016370630	2017235482
2018362046	2020385527	2020222948	2017219865	2017219865	2017235483
2018386327	<u><b>C07H 1 /-</b></u>	<u><b>C08G 2 /-</b></u>	2021282417	2017235482	2017353410
2019402189	2018380957	2021214418	<u><b>C09D 7 /-</b></u>	2017235483	2018378827
2020255702	<u><b>C07H 21 /-</b></u>	<u><b>C08G 63 /-</b></u>	2021282417	2017246593	2020231725
2020310852	2017233862	2018229492	<u><b>C09J 123 /-</b></u>	2017259794	2022204316
2020338637	2022204316	2019395820	2019202692	2017265723	<u><b>C12R 1 /-</b></u>
2020355830	<u><b>C07H 3 /-</b></u>	<u><b>C08G 65 /-</b></u>	<u><b>C09J 7 /-</b></u>	2017275769	2019413143
2021232813	2018380957	2019395820	2020222948	2017298438	2020336649
2022202886	<u><b>C07J 31 /-</b></u>	<u><b>C08G 8 /-</b></u>	<u><b>C09K 3 /-</b></u>	2017298576	2020339348
2022224918	2021204782	2019212361	2018235412	2018335849	<u><b>C21C 5 /-</b></u>
<u><b>C07D 403 /-</b></u>	<u><b>C07J 43 /-</b></u>	<u><b>C08J 5 /-</b></u>	<u><b>C09K 8 /-</b></u>	2018378827	2018254823
2021380315	2021204782	2020222948	2017400535	2019243242	<u><b>C21D 6 /-</b></u>
<u><b>C07D 405 /-</b></u>	<u><b>C07J 5 /-</b></u>	<u><b>C08J 7 /-</b></u>	2019464900	2019349396	2017202284
2018341084	2021204782	2020250662	<u><b>C10B 21 /-</b></u>	2019357156	<u><b>C22B 1 /-</b></u>
2018362046	<u><b>C07J 7 /-</b></u>	<u><b>C08J 9 /-</b></u>	2018251792	2020202305	2018254823
2019241321	2018206222	2020233273	<u><b>C10B 33 /-</b></u>	2020203238	<u><b>C22B 11 /-</b></u>
2019252432	2021204782	<u><b>C08K 3 /-</b></u>	2018251792	2020217312	2021202669
2020338637	<u><b>C07K 14 /-</b></u>	2017435867	<u><b>C10B 57 /-</b></u>	2020223060	<u><b>C22B 15 /-</b></u>
2022202886	2017219865	2018448024	2018251792	2020231725	2021202669
<u><b>C07D 413 /-</b></u>	2017235482	2021325373	<u><b>C10G 33 /-</b></u>	2020260380	<u><b>C22B 3 /-</b></u>
2018341084	2017298438	<u><b>C08K 5 /-</b></u>	2019395820	2020266125	2021202669
2020300400	2017298576	2020233273	<u><b>C10L 1 /-</b></u>	2020279663	<u><b>C22C 38 /-</b></u>
<u><b>C07D 417 /-</b></u>	2018335849	<u><b>C08K 7 /-</b></u>	2018299802	2021232813	2021202669
2020300400	2018338184	2020233273	<u><b>C11D 17 /-</b></u>	2022201307	<u><b>C22C 3 /-</b></u>
<u><b>C07D 471 /-</b></u>	2019243242	<u><b>C08K 9 /-</b></u>	2020247336	<u><b>C12N 5 /-</b></u>	2021202669
2018325442	2019286406	2021325373	<u><b>C11D 3 /-</b></u>	2017278095	<u><b>C22B 11 /-</b></u>
2018341084	2020201636	<u><b>C08L 23 /-</b></u>	2020247336	2019203265	2017202284
2018386327	2021202640	<u><b>C08K 5 /-</b></u>	<u><b>C12C 11 /-</b></u>	2019286406	<u><b>C25D 11 /-</b></u>
2020292664	2022201307	2020233273	2019395820	2020201636	2017278095
2021273566	<u><b>C12N 7 /-</b></u>	<u><b>C08K 7 /-</b></u>	<u><b>C11D 17 /-</b></u>	2021202640	<u><b>C40B 20 /-</b></u>
2021359042	2017219865	2020233273	2018251792	2022201307	2017259794
<u><b>C07D 487 /-</b></u>	2017233862	<u><b>C08K 9 /-</b></u>	<u><b>C11D 3 /-</b></u>	<u><b>C12N 9 /-</b></u>	<u><b>C40B 40 /-</b></u>
2018325442	2017246593	2021325373	2020247336	2017219865	2017259794
2020338637	2017298438	<u><b>C08L 23 /-</b></u>	<u><b>C12C 11 /-</b></u>	2019203265	<u><b>C40B 70 /-</b></u>
<u><b>C07D 491 /-</b></u>	2017298576	2017435867	2019418106	2019286406	2017259794
2018325442	2018335849	<u><b>C08L 25 /-</b></u>	<u><b>C12H 1 /-</b></u>	2020201636	<u><b>D01D 5 /-</b></u>
2020338637	2018338184	2019202692	2019418106	2021202640	2021205003
<u><b>C07D 495 /-</b></u>	2019243242	<u><b>C08L 67 /-</b></u>	<u><b>C12M 1 /-</b></u>	2022201307	<u><b>D01F 6 /-</b></u>
2018325442	2020203244	2018448024	2018378827	<u><b>C12P 13 /-</b></u>	2021205003
2020338637	2020217312	<u><b>C09D 133 /-</b></u>	2022241490	2017219605	
<u><b>C07D 497 /-</b></u>	2020266125			2017275769	
2018386327	2021200765			2019243242	
2019252432	2021202057			2019349396	
<u><b>C07D 495 /-</b></u>	2021202058			2019357156	
2018386327	2021202059			2020223060	
2020338637	2021203828			2020279663	
<u><b>C07D 495 /-</b></u>	2021204081				
2018386327	2021204201				
2020327926	2021206890				
2020430369	<u><b>C07K 16 /-</b></u>				
<u><b>C07D 497 /-</b></u>	2016329120				
2018386327	2016329126				
	2019228474				
	2020202305				
	2020203238				

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<b><u>D01H 1/-</u></b>	2016412933 2017393921 2018418520	<b><u>E21B 21/-</u></b>	<b><u>F03D 9/-</u></b>	<b><u>F16L 1/-</u></b>	2021206787
2017385976		2017400535 2017435878	2022201203	2017289718	<b><u>F24S 10/-</u></b>
<b><u>D01H 7/-</u></b>	<b><u>E04C 3/-</u></b>		<b><u>F03G 3/-</u></b>	<b><u>F16L 41/-</u></b>	2018215597
2017385976	2017393921	<b><u>E21B 23/-</u></b>	2022201203	2019396029	<b><u>F24S 20/-</u></b>
<b><u>D06F 33/-</u></b>	<b><u>E04D 13/-</u></b>	2017402601 2021240110	<b><u>F03G 6/-</u></b>	<b><u>F16L 47/-</u></b>	2018215597
2019372914	2021206787	<b><u>E21B 29/-</u></b>	2018215597	2018337819 2019396029	<b><u>F24S 40/-</u></b>
<b><u>D06F 37/-</u></b>	<b><u>E04F 15/-</u></b>	2021215204	<b><u>F04B 11/-</u></b>	<b><u>F21S 8/-</u></b>	2018215597
2019372914	2016412933	<b><u>E21B 33/-</u></b>	2019266890	2018304415	<b><u>F24S 60/-</u></b>
<b><u>D06F 58/-</u></b>	<b><u>E04G 1/-</u></b>	2017354750 2017381279 2018204706 2019252890 2019464900	<b><u>F04B 15/-</u></b>	<b><u>F21V 31/-</u></b>	2018215597
2019338892 2020238418	2017301998	<b><u>E21B 34/-</u></b>	2017202284	2018304415	<b><u>F25C 1/-</u></b>
<b><u>D21D 1/-</u></b>	<b><u>E04G 5/-</u></b>	2017301998	<b><u>F04B 27/-</u></b>	<b><u>F21V 33/-</u></b>	2019354477 2021200276
2020219780	<b><u>E04G 7/-</u></b>		2017202284	2020210430	<b><u>F25C 5/-</u></b>
<b><u>D21H 17/-</u></b>	2017301998	2017381279	<b><u>F04D 29/-</u></b>	<b><u>F21W 131/-</u></b>	2019354477
2018209385	<b><u>E04H 4/-</u></b>	<b><u>E21B 41/-</u></b>	2017379190 2022200751	2018304415	<b><u>F25D 11/-</u></b>
<b><u>D21H 19/-</u></b>	2023200025	2017318540 2019240072 2022235557	<b><u>F04D 7/-</u></b>	<b><u>F23B 40/-</u></b>	2019354477
2018209385 2019330782	<b><u>E04H 5/-</u></b>	<b><u>E21B 43/-</u></b>	2017379190	2017379142	<b><u>F25D 23/-</u></b>
<b><u>D21H 21/-</u></b>	2017422728	2018204706 2019240072	<b><u>F16B 2/-</u></b>	<b><u>F23B 60/-</u></b>	2019418573 2020326927 2020334856 2021204171
2018209385	<b><u>E05B 1/-</u></b>	<b><u>E21B 44/-</u></b>	2017360091 2020238418	2017379142	<b><u>F23G 5/-</u></b>
<b><u>D21H 23/-</u></b>	2021204171	2019253769	<b><u>F16B 25/-</u></b>	2017379142	<b><u>F25D 25/-</u></b>
2018209385	<b><u>E05B 39/-</u></b>	<b><u>E21B 47/-</u></b>	2019344655	<b><u>F23G 7/-</u></b>	2019354477
<b><u>D21H 27/-</u></b>	2017276793	2017298614 2017349452	<b><u>F16B 39/-</u></b>	2017379142	<b><u>F25D 29/-</u></b>
2019330782	<b><u>E05B 65/-</u></b>	<b><u>E21B 7/-</u></b>	2017228701	<b><u>F23H 13/-</u></b>	2019354477
<b><u>E01B 13/-</u></b>	2017276793	2017292912 2022235557	<b><u>F16B 7/-</u></b>	2017379142	<b><u>F25J 1/-</u></b>
2017406925	<b><u>E05F 11/-</u></b>	<b><u>E21C 25/-</u></b>	2018304415	2017379142	2017422728
<b><u>E01B 7/-</u></b>	2021204171	2016428997	<b><u>F16C 11/-</u></b>	<b><u>F23K 3/-</u></b>	<b><u>F27B 3/-</u></b>
2017406925	<b><u>E05F 13/-</u></b>	<b><u>E21C 41/-</u></b>	2021205029	2017379142	2019212037
<b><u>E01B 9/-</u></b>	2021204171	2019375169	<b><u>F16C 33/-</u></b>	<b><u>F23R 3/-</u></b>	<b><u>F27D 17/-</u></b>
2017406925	<b><u>E05F 7/-</u></b>	<b><u>E21D 9/-</u></b>	2017287189	2017296362	2019212037
<b><u>E01F 9/-</u></b>	2021204171	2016428997	<b><u>F16D 1/-</u></b>	<b><u>F24B 1/-</u></b>	<b><u>G01B 11/-</u></b>
2017353312	<b><u>E06C 1/-</u></b>	2016428997	2017345734	2017379142	2016432713
<b><u>E02F 9/-</u></b>	2021205029	<b><u>F01B 11/-</u></b>	<b><u>F16D 15/-</u></b>	<b><u>F24B 13/-</u></b>	<b><u>G01C 11/-</u></b>
2020284137	<b><u>E06C 7/-</u></b>	2021301124	2017345734	2017379142	2017311697
<b><u>E04B 1/-</u></b>	2021205029	<b><u>F02B 71/-</u></b>	<b><u>F16K 15/-</u></b>	<b><u>F24C 15/-</u></b>	<b><u>G01C 22/-</u></b>
2018418520	<b><u>E21B 17/-</u></b>	2021301124	2018273326 2022268397	2017364934 2018278944	2017288826
<b><u>E04B 9/-</u></b>	2017318540 2017402601	<b><u>F02G 1/-</u></b>	<b><u>F16K 31/-</u></b>	<b><u>F24C 7/-</u></b>	<b><u>G01D 1/-</u></b>
2018356889	<b><u>E21B 19/-</u></b>	2021301124	2018273326	2017326323	2020395182
<b><u>E04C 2/-</u></b>	2017366970	2021301124		<b><u>F24F 7/-</u></b>	<b><u>G01D 21/-</u></b>

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2019449838	<b><u>G01N 30 /-</u></b>	2020308011	2021221592	<b><u>G06T 3 /-</u></b>	<b><u>G09F 3 /-</u></b>
<b><u>G01D 4 /-</u></b>	2021236507	2021203277	2022200986	2018326807	2017297534
2020308011	<b><u>G01N 33 /-</u></b>	2021204170	2022202261	2021282447	<b><u>G10D 9 /-</u></b>
2021204455		<b><u>G05B 19 /-</u></b>	<b><u>G06G 7 /-</u></b>	2021282989	
<b><u>G01F 1 /-</u></b>	2016380342	2021203277	2019240072	<b><u>G06T 5 /-</u></b>	2022202061
2019462931	2017299186	2021204170	2020283448	2021239037	<b><u>G10L 15 /-</u></b>
<b><u>G01F 23 /-</u></b>	2017331459	2021229194	2021270865	<b><u>G06T 7 /-</u></b>	2020299608
2019257251	2019462931	<b><u>G05B 23 /-</u></b>	<b><u>G06K 19 /-</u></b>	2018320964	<b><u>G10L 19 /-</u></b>
<b><u>G01J 3 /-</u></b>	2019463665	2021203277	2018210005	2018326807	2020220383
2021204326	2020226678	<b><u>G05D 1 /-</u></b>	2020230451	2020458040	<b><u>G16C 10 /-</u></b>
<b><u>G01K 11 /-</u></b>	2020231725	2018320964	<b><u>G06K 7 /-</u></b>	2021273611	2017331459
2019408824	2021202640	2019253769	2021202205	2021282989	<b><u>G16H 10 /-</u></b>
<b><u>G01K 13 /-</u></b>	<b><u>G01P 13 /-</u></b>	2022201782	<b><u>G06N 10 /-</u></b>	2021326016	
2019408824	2021301124	2023201045	2020233909	2022201019	<b><u>G16H 10 /-</u></b>
<b><u>G01K 5 /-</u></b>	<b><u>G01R 29 /-</u></b>	<b><u>G05D 3 /-</u></b>	2022200187	<b><u>G06V 10 /-</u></b>	2021260953
2020290647	2020286490	2019253769	<b><u>G06N 20 /-</u></b>	<b><u>G06V 40 /-</u></b>	<b><u>G16H 20 /-</u></b>
<b><u>G01K 7 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G06F 1 /-</u></b>	2021260953	2020226426	2018292784
2019408824	2022201782	<b><u>G06F 11 /-</u></b>	2021273611	<b><u>G07C 3 /-</u></b>	2021260953
<b><u>G01L 1 /-</u></b>	<b><u>G01S 17 /-</u></b>	2023200522	<b><u>G06N 3 /-</u></b>	2021273611	<b><u>G16H 40 /-</u></b>
2020290647	2018326401	<b><u>G06F 13 /-</u></b>	2020299608	<b><u>G07C 5 /-</u></b>	2021260953
<b><u>G01M 17 /-</u></b>	2022200101	2021203205	2020315029	<b><u>G07F 17 /-</u></b>	<b><u>G16H 50 /-</u></b>
2020322552	<b><u>G01S 19 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06Q 10 /-</u></b>	2021201883	2021205077
<b><u>G01M 3 /-</u></b>	2023200522	2018271366	2017267250	<b><u>G07F 7 /-</u></b>	<b><u>G21G 1 /-</u></b>
2018248377	<b><u>G01S 5 /-</u></b>	<b><u>G06F 16 /-</u></b>	2020243577	2020241824	2018224121
2018250311	2023200522	2019383975	2021200439	<b><u>G07F 9 /-</u></b>	2018225249
<b><u>G01M 5 /-</u></b>	<b><u>G01S 7 /-</u></b>	2019392060	2021203354	2022200986	<b><u>G21G 4 /-</u></b>
2020290647	<b><u>G02B 27 /-</u></b>	2021316961	2021249117	<b><u>G08B 1 /-</u></b>	2018224121
<b><u>G01N 21 /-</u></b>	2018326807	2021355322	2021273611	2021203205	2018225249
2019463665	<b><u>G02B 6 /-</u></b>	2021365721	<b><u>G06Q 20 /-</u></b>	<b><u>G08B 21 /-</u></b>	<b><u>H01B 13 /-</u></b>
2020264742	2017298614	2021409880	2017264640	2022200986	2020233273
2021205077	2018223803	<b><u>G06F 21 /-</u></b>	2020230451	<b><u>G08B 3 /-</u></b>	<b><u>H01B 3 /-</u></b>
2021346298	<b><u>G02C 1 /-</u></b>	2018360878	2020241824	<b><u>G08B 23 /-</u></b>	2017435867
<b><u>G01N 24 /-</u></b>	2020226731	2021202620	2021201883	2021203205	2020233273
2017299186	<b><u>G02C 5 /-</u></b>	2021212070	2021282447	<b><u>G08B 3 /-</u></b>	<b><u>H01H 1 /-</u></b>
<b><u>G01N 25 /-</u></b>	2020226731	2021316961	<b><u>G06T 15 /-</u></b>	2021203205	2022203223
2019462931	<b><u>G02C 7 /-</u></b>	2018326807	2018326807	<b><u>G08B 6 /-</u></b>	<b><u>H01H 13 /-</u></b>
<b><u>G01N 27 /-</u></b>	2020226731	2021250929	2021282447	2021203205	2022203223
2018250311	<b><u>G03F 7 /-</u></b>	2021260953	<b><u>G06T 17 /-</u></b>	<b><u>G09B 29 /-</u></b>	<b><u>H01H 3 /-</u></b>
2020226678	2021261922	2021277703	2020315029	2017311697	2018202493
<b><u>G01N 29 /-</u></b>	2021277703	2022202261	2021282447	<b><u>G09F 15 /-</u></b>	2022203223
2018250311	2020226731	<b><u>G06F 30 /-</u></b>	<b><u>G06T 19 /-</u></b>	2017353312	<b><u>H01H 71 /-</u></b>
<b><u>G05B 15 /-</u></b>	2021203277	<b><u>G06F 3 /-</u></b>	2021282447		2022200845
	2021229194	2018326807			
		2021203205			
		2021250929			
		2021260953			
		2021261922			
		2021277703			
		2022202261			
		<b><u>G06F 9 /-</u></b>			
		2020327970			

Applications Accepted - IPC Index cont'd

<b><u>H01H 83 /-</u></b>	<b><u>H02J 7 /-</u></b>	2022201624	<b><u>H04W 16 /-</u></b>
2020449613	2018413264	<b><u>H04L 27 /-</u></b>	2017425503
<b><u>H01H 9 /-</u></b>	2019449838	2020265931	<b><u>H04W 4 /-</u></b>
2022203223	2020206983	<b><u>H04L 5 /-</u></b>	2018271366
<b><u>H01L 23 /-</u></b>	2021277768	2022201547	2019383975
2019297130	<b><u>H02J 9 /-</u></b>	2022203331	2019399699
<b><u>H01L 27 /-</u></b>	2019228005	<b><u>H04L 67 /-</u></b>	2021203354
2021201666	<b><u>H02K 11 /-</u></b>	2018271366	<b><u>H04W 56 /-</u></b>
2021266213	2020257177	2020243577	2020266926
<b><u>H01L 31 /-</u></b>	<b><u>H02K 5 /-</u></b>	<b><u>H04L 7 /-</u></b>	2023200522
2022200195	2018348843	2023200522	<b><u>H04W 72 /-</u></b>
<b><u>H01M 10 /-</u></b>	<b><u>H02K 7 /-</u></b>	<b><u>H04L 9 /-</u></b>	2017418863
2019442202	2022201203	2018214800	2017425503
2019442510	<b><u>H02K 9 /-</u></b>	2020299385	2019225176
<b><u>H01M 4 /-</u></b>	2018348843	2020409472	2022201547
2017321696	<b><u>H02M 7 /-</u></b>	2021249117	<b><u>H04W 74 /-</u></b>
2019442202	2020257177	2021316961	2019221229
<b><u>H01M 8 /-</u></b>	<b><u>H02P 6 /-</u></b>	<b><u>H04M 1 /-</u></b>	2019443642
2017321696	2018300408	2021203205	2021203676
<b><u>H01R 11 /-</u></b>	2020257177	<b><u>H04M 19 /-</u></b>	<b><u>H04W 8 /-</u></b>
2019228005	<b><u>H03M 7 /-</u></b>	2021203205	2020267811
2019229408	2022235513	<b><u>H04N 19 /-</u></b>	<b><u>H04W 80 /-</u></b>
<b><u>H01R 12 /-</u></b>	<b><u>H04B 1 /-</u></b>	2017422536	2018271366
2020368576	2023200522	2019306205	<b><u>H04W 84 /-</u></b>
<b><u>H02G 1 /-</u></b>	<b><u>H04B 10 /-</u></b>	2020416598	2020267811
2017298614	2022201978	2021246917	<b><u>H04W 88 /-</u></b>
<b><u>H02H 3 /-</u></b>	<b><u>H04B 11 /-</u></b>	2021277524	2021266199
2020220030	2020267811	2022209312	<b><u>H05B 6 /-</u></b>
2020449613	<b><u>H04B 5 /-</u></b>	<b><u>H04N 21 /-</u></b>	2019418573
<b><u>H02H 7 /-</u></b>	2021240288	2018271366	2021203158
2020220030	<b><u>H04B 7 /-</u></b>	2018378698	<b><u>H05H 5 /-</u></b>
<b><u>H02J 13 /-</u></b>	2020210430	2018386272	2019262797
2019444427	2020223304	2020404895	<b><u>H05K 5 /-</u></b>
2020308011	2020265943	<b><u>H04N 23 /-</u></b>	2019228005
2020374440	<b><u>H04L 1 /-</u></b>	2019241111	<b><u>H05K 7 /-</u></b>
<b><u>H02J 15 /-</u></b>	2018372420	<b><u>H04Q 9 /-</u></b>	2019228005
2022201203	2019439793	2023200522	<b><u>H04R 1 /-</u></b>
<b><u>H02J 3 /-</u></b>	2020220383	<b><u>H04R 1 /-</u></b>	2021261922
2018413264	2020299385	2021261922	<b><u>H04R 3 /-</u></b>
2019444427	2022203331	<b><u>H04R 31 /-</u></b>	2019228005
2020286490	<b><u>H04L 12 /-</u></b>	2021261922	<b><u>H04R 5 /-</u></b>
2020308011	2020409472	2021261922	
	2021221592		
	2021266199		



**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) COS IPT Pty Ltd  
 (11) AU-B-2022100169  
 (21) 2022100169 (22) 11.11.2022  
 (54) APPARATUS FOR STORING ORGAN-  
 IC MATERIAL  
 (51) Int. Cl.  
     **A22B 5/00** ( 2006.01 )  
     **A22B 7/00** ( 2006.01 )  
 (45) 13.04.2023  
 (62) 2016345054  
 (72) Staughton, Simon  
 (74) mdp Patent and Trade Mark Attorneys

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(71) Illinois Tool Works Inc.  
 (11) AU-B-2017101929  
 (21) 2017101929 (22) 24.08.2017  
 (54) A screw fastener  
 (51) Int. Cl.  
     **F16B 35/06** ( 2006.01 )  
     **F16B 35/04** ( 2006.01 )  
     **F16B 25/00** ( 2006.01 )  
     **F16B 25/10** ( 2006.01 )  
 (31) 2016903467 (32) 31.08.16 (33) AU  
 (45) 13.04.2023  
 (72) Camilleri, Mark Anthony; Marshall, Bryan Hugh  
 (74) Davies Collison Cave Pty Ltd

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(71) SKINPROTECT CORPORATION SDN  
 BHD  
 (11) AU-B-2021107133  
 (21) 2021107133 (22) 25.08.2021  
 (54) Ultra-thin detectable gloves  
 (51) Int. Cl.  
     **C08J 5/02** ( 2006.01 )  
     **A41D 19/00** ( 2006.01 )  
     **C08K 3/08** ( 2006.01 )  
     **C08K 3/22** ( 2006.01 )  
     **C08K 9/04** ( 2006.01 )  
     **A41D 13/08** ( 2006.01 )  
     **A42B 1/012** ( 2021.01 )  
     **A43B 3/16** ( 2006.01 )  
     **A61B 42/10** ( 2016.01 )  
     **B29C 41/14** ( 2006.01 )  
     **B29D 99/00** ( 2010.01 )  
     **B29L 31/48** ( 2006.01 )  
 (45) 13.04.2023  
 (72) FOO, KHON PU; LIM, CHIN KEONG;  
 BALAKRISHNA, NURSHAMILA BINTI  
 SHAARI  
 (74) Griffith Hack

**Numerical Index**

**2017101929** Illinois Tool Works Inc.  
**2021107133** SKINPROTECT CORPORATION SDN BHD  
**2022100169** COS IPT Pty Ltd

IPC Index

**A22B 5 /-**

2022100169

**A22B 7 /-**

2022100169

**A41D 13 /-**

2021107133

**A41D 19 /-**

2021107133

**A42B 1 /-**

2021107133

**A43B 3 /-**

2021107133

**A61B 42 /-**

2021107133

**B29C 41 /-**

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**B29D 99 /-**

2021107133

**B29L 31 /-**

2021107133

**C08J 5 /-**

2021107133

**C08K 3 /-**

2021107133

**C08K 9 /-**

2021107133

**F16B 25 /-**

2017101929

**F16B 35 /-**

2017101929

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

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

2017210650 **LAA Industries Pty Ltd** ( Allied Pumps Pty Ltd )

**Patents Granted**

**Standard Patents**

2015340539	2015414982	2016201614	2016313143
2016320991	2016323985	2016326627	2016326718
2016355468	2016366231	2016375159	2016426047
2016427777	2016429070	2016434455	2017202404
2017203042	2017204030	2017204212	2017204470
2017206061	2017217591	2017220396	2017221887
2017223126	2017229232	2017233898	2017238644
2017240068	2017241530	2017242794	2017248281
2017248852	2017255989	2017260602	2017266863
2017266905	2017276341	2017281436	2017283601
2017290823	2017292730	2017297881	2017302547
2017303863	2017305682	2017310229	2017310540
2017316731	2017321817	2017323652	2017328754
2017334390	2017338618	2017338912	2017339569
2017339696	2017339894	2017340272	2017342364
2017345160	2017345167	2017346914	2017355492
2017355652	2017357812	2017365702	2017366998
2017368170	2017368267	2017368919	2017371043
2017372590	2017375651	2017375893	2017376924
2017387098	2017387536	2017401507	2017407248
2017414195	2017421657	2017430163	2018200088
2018201743	2018204686	2018204821	2018205472
2018211945	2018215200	2018215381	2018218182
2018222305	2018222474	2018222974	2018223809
2018226580	2018238127	2018239436	2018243278
2018247097	2018254634	2018258490	2018261518
2018269707	2018271862	2018277835	2018283356
2018283705	2018284089	2018288005	2018289194
2018290278	2018296065	2018298089	2018299910
2018304380	2018307974	2018309172	2018309356
2018310666	2018312328	2018313864	2018314651
2018315414	2018316148	2018323504	2018339068
2018340403	2018351400	2018367297	2018382349
2018383797	2018385438	2018400487	2018421330
2018436324	2018446829	2018453622	2019201638
2019201816	2019202506	2019203123	2019205733
2019208041	2019209052	2019214502	2019216241
2019219722	2019226480	2019230823	2019230981
2019234482	2019234890	2019251770	2019264047
2019274735	2019275071	2019280583	2019284413
2019285736	2019297026	2019297839	2019314391
2019329639	2019329703	2019331959	2019332984
2019334714	2019336215	2019343608	2019343750
2019344664	2019346534	2019348096	2019358745
2019366908	2019376472	2019378043	2019389710
2019393005	2019402325	2019402998	2019404588
2019407130	2019417312	2019421447	2019428667
2019431082	2019431473	2019433040	2019435553
2019436669	2019437468	2019438321	2019442261
2019445546	2019448292	2019448505	2020204267
2020207420	2020208398	2020208981	2020214237
2020214518	2020219806	2020220081	2020221059
2020221466	2020222178	2020226133	2020228132
2020230305	2020232237	2020234887	2020237053
2020237108	2020240412	2020240543	2020242584
2020243682	2020244394	2020244531	2020244572
2020244597	2020248911	2020250313	2020252395
2020256199	2020261747	2020264390	2020267281
2020267283	2020268789	2020270487	2020270508
2020277084	2020277170	2020279100	2020280293

**Patents Granted**

**Standard Patents**

2020289000	2020290178	2020294324	2020295355
2020311418	2020312497	2020316063	2020327715
2020356795	2020376136	2020382717	2020402029
2021200154	2021200261	2021200352	2021200657
2021200713	2021200741	2021201000	2021201050
2021201297	2021201856	2021202197	2021202294
2021202390	2021202425	2021202518	2021202582
2021202635	2021203064	2021203077	2021203144
2021203409	2021203739	2021203973	2021204153
2021204177	2021209154	2021210896	2021218146
2021223280	2021232699	2021232820	2021236577
2021236578	2021238917	2021245211	2021249972
2021250916	2021252431	2021257936	2021258085
2021261956	2021265253	2021269475	2021277548
2021286355	2021287986	2021288211	2021293277
2021299239	2021302922	2021307471	2021327031
2022200128	2022200219	2022200336	2022204325
2022204487	2022204491	2022205179	2022218538
2022268302			

**Innovation Patents**

2019101841 2021107673 2023100027

**Assignments Registered**

2004268946	Millennium Pharmaceuticals Inc.	The patent has been assigned to <b>Takeda Pharmaceutical Company Limited</b>
2005202186	Haysom, Deirdre; Haysom, Robert	The patent has been assigned to <b>Link Edge Holdings Pty Ltd</b>
2005204563	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2005206119	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2005206130	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2005206132	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2005206133	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2005244508	Haysom, Deirdre; Haysom, Robert	The patent has been assigned to <b>Link Edge Holdings Pty Ltd</b>
2006237111	Lactocorder AG	The patent has been assigned to <b>Lactocorder AG</b>
2007211165	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2007357338	Millennium Pharmaceuticals, Inc.	The patent has been assigned to <b>Takeda Pharmaceutical Company Limited</b>
2008259888	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>
2008286655	Webb, Garth	The patent has been assigned to <b>Ocu-metics Technology Corp.</b>
2008296851	Phoenix Cardiac Devices, Inc.	The patent has been assigned to <b>Compass Consulting International Corporation</b>
2009205599	HH Spinal LLC	The patent has been assigned to <b>3Spine, Inc.</b>

**Assignments Registered**

2009224801 Eurodrug Laboratories B.V. The patent has been assigned to **Pacific Healthcare (Thailand) Co. Ltd**

2009260778 Millennium Pharmaceuticals, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2009296820 Merck Sharp & Dohme Corp.; Metabasis Therapeutics, Inc. The patent has been assigned to **Metabasis Therapeutics, Inc.; Merck Sharp & Dohme LLC**

2009317574 LACTOCORDER AG The patent has been assigned to **Lactocorder AG**

2010215061 Murdoch Childrens Research Institute The patent has been assigned to **E.D.G. Innovations and Consulting Pty Ltd**

2011205868 Norsk Hydro ASA The patent has been assigned to **Speira GmbH**

2011265405 Millennium Pharmaceuticals Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2011323295 Catalyst Biosciences, Inc. The patent has been assigned to **GC BIOPHARMA CORP.**

2011354786 Velos Media International Limited The patent has been assigned to **Ericsson LLC**

2011361032 Velos Media International Limited The patent has been assigned to **Ericsson LLC**

2013203964 Millenium Pharmaceuticals, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2013204511 Catalyst Biosciences, Inc. The patent has been assigned to **GC BIOPHARMA CORP.**

2013204518 Millennium Pharmaceuticals, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2013281243 Velos Media International Limited The patent has been assigned to **Ericsson LLC**

2013344316 Lee, Richard; Day, Simon The patent has been assigned to **Lee, Richard; Lee, Duane**

2014210369 Murdoch Childrens Research Institute The patent has been assigned to **E.D.G. Innovations and Consulting Pty Ltd**

2014233603 Milenco Limited The patent has been assigned to **Milenco Innovation Limited**

2015101049 Milenco Limited The patent has been assigned to **Milenco Innovation Limited**

2015268651 Velos Media International Limited The patent has been assigned to **Ericsson LLC**

2015320721 Cadent Therapeutics, Inc. The patent has been assigned to **Novartis AG**

2016201181 Phoenix Cardiac Devices, Inc. The patent has been assigned to **Compass Consulting International Corporation**

2017101052 Milenco Limited The patent has been assigned to **Milenco Innovation Limited**

2018233007 Millennium Pharmaceuticals, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2018317654 LactoCorder AG The patent has been assigned to **Lactocorder AG**

**Assignments Registered**

2018356200 Südvolle GmbH & Co. KG The patent has been assigned to **Südvolle Group GmbH**

2021100726 Qingdao Youmeng Home Furnishing Technology Co., Ltd. The patent has been assigned to **Beijing Hengxiang Future Technology Development Co., Ltd**

2021100833 Stringer, Melanie Paige; Stringer, Gary Wayne The patent has been assigned to **Stringer, Gary Wayne**

2021102712 Flexsky Pty Ltd; Bocko Pty Ltd The patent has been assigned to **Pharmachem Australia Pty Ltd**

2021104067 Flexsky Pty Ltd; Bocko Pty Ltd The patent has been assigned to **Pharmachem Australia Pty Ltd**

2021105596 Flexsky Pty Ltd; Bocko Pty Ltd The patent has been assigned to **Pharmachem Australia Pty Ltd**

2021200370 Millennium Pharmaceuticals, Inc. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

**Mortgages Registered - Section 187, Reg. 19**

(The name in the parentheses is that of the mortgagee)

2015278236 F45 Training Pty Ltd ( JP Morgan Chase Bank, N.A. )

2016100883 F45 Training Pty Ltd ( JP Morgan Chase Bank, N.A. )

2017100971 F45 Training Pty Ltd ( JP Morgan Chase Bank, N.A. )

2017100977 F45 Training Pty Ltd ( JP Morgan Chase Bank, N.A. )

2017203072 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2017235786 Weatherford U.K. Limited ( BTA Institutional Services Australia Limited )

2017279747 Weatherford U.K. Limited ( BTA Institutional Services Australia Limited )

2018217108 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018230664 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018251876 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

2013286914 **Bristol-Myers Squibb Company**

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

For the goods OPDUALAG nivolumab

2019204803 **BRISTOL-MYERS SQUIBB COMPANY**

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

For the goods OPDUALAG nivolumab

2020203056 **Bristol-Myers Squibb Company**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

For the goods OPDUALAG nivolumab and relatlimab

**Corrigenda**

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Delete all reference to 2021218217

In Vol 57 , No 11 , Page(s) 1659 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Beijing CCRI-Tianma Automation Technology Co., Ltd., Application No. 2021311976, under INID (71) correct the applicant name to CCTEG Beijing Tianma Intelligent Control Technology Co., Ltd.

In Vol 57 , No 12 , Page(s) 1760 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Breville Pty Limited, Application No. 2021339461, under INID (72) correct the co-inventor to LEE, John Chul-Won; MAL'CHYKOV, Olexandr.

In Vol 57 , No 12 , Page(s) 1768 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name MAGICMED INDUSTRIES INC., Application No. 2021336667, under INID (71) correct the applicant name to ENVERIC BIOSCIENCES CANADA INC.

In Vol 57 , No 12 , Page(s) 1768 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name MAGICMED INDUSTRIES INC., Application No. 2021337466, under INID (71) correct the applicant name to ENVERIC BIOSCIENCES CANADA INC.

In Vol 57 , No 13 , Page(s) 1889 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name dormakaba Deutschland GmbH, Application No. 2020466447, under INID (72) correct the co-inventors to Salutski, Thomas; Wiemann, Sabine; Hellwig, Alexander

In Vol 57 , No 13 , Page(s) 1909 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name SWM Luxembourg Sarl, Application No. 2021339948, under INID (71) correct the applicant name to SWM Luxembourg.

In Vol 57 , No 13 , Page(s) 1909 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name SWM Luxembourg sarl, Application No. 2021341502, under INID (71) correct the applicant name to SWM Luxembourg

In Vol 57 , No 13 , Page(s) 1911 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Vertex Pharmaceuticals Incorporated, Application No. 2021322301, under INID (72) add the co-inventor to Grootenhuis, Peter

In Vol 57 , No 3 , Page(s) 308 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd., Application No. 2021298632, under INID (71) correct the applicant name to Jiangsu Hengrui Pharmaceuticals Co., Ltd.

**Corrigenda**

In Vol 57 , No 5 , Page(s) 786 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Dermavant Sciences GmbH; Axtman, A., Application No. 2021308209, under INID (71) remove co-applicant Axtman, A.

In Vol 57 , No 7 , Page(s) 1082 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name ResMed Pty Ltd, Application No. 2021301462, under INID (72) add co-inventor HOLLEY, Liam

**Specifications Republished**

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

2018336731	<b>Huawei Digital Power Technologies Co., Ltd.</b>
2019326291	<b>ExxonMobil Technology and Engineering Company</b>
2019371545	<b>Nippon Telegraph and Telephone Corporation</b>
2020204069	<b>Ecolab USA Inc.</b>
2020294219	<b>Cosmax NBT, Inc.; Cosmax NS, Inc.</b>
2021265346	<b>Kashiv Biosciences, LLC</b>
2021282989	<b>MFTB Holdco, Inc.</b>